

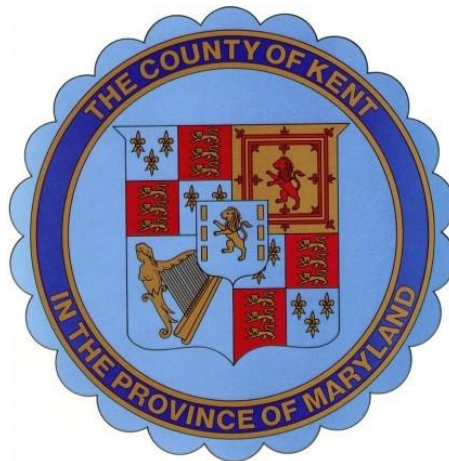
# **COUNTY COMMISSIONERS OF KENT COUNTY MARYLAND**

## **REQUEST FOR PROPOSAL**

**#WW 20-01**

**FOR**

## **PROCUREMENT OF A CLARIFLOCCULATOR TREATMENT SYSTEM**



Michael Moulds, PE  
Director of Public Works  
709 Morgnec Road  
Chestertown, Maryland 21620

## **SCHEDULE**

### **BID NUMBER WW 20-01**

<u>Date</u>	<u>Step</u>
February 6, 2020	Begin Newspaper Advertising; Mail/Email Notices to Bidders on Bid List; Post on eMaryland Marketplace
February 24, 2020; 5:00 p.m.	Final Day for Questions
March 5, 2020; 10:00 a.m.	Bid Opening
March 17, 2020	Scheduled Award by Commissioners
August 14, 2020	Delivery of System to Site Contractor

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## **SECTION A. GENERAL MATTERS**

### **1. Summary**

The County Commissioners of Kent County, Maryland, a body corporate and politic and a political subdivision of the State of Maryland (the “County”) is requesting proposals from qualified manufacturer representatives for furnishing and delivering a water treatment clariflocculator system to replace an existing system at the County Fairlee water treatment plant located at 1 Watertower Road, Chestertown, MD 21620, in accordance with Chapter 49 of the Code of Public Local Laws of Kent County (CPLL).

### **2. Issuing Office**

Name: Michael Moulds, PE  
Title: Director of Public Works  
709 Morgnec Road  
Chestertown, Maryland 21620

Telephone #: (410) 778-2600  
[mmoulds@kentgov.org](mailto:mmoulds@kentgov.org)

The individual listed above shall serve as the “Procurement Officer” and as the sole point of contact for purposes of this procurement.

### **3. Silence of Specification**

The apparent silence of the specifications as to any detail, or the apparent omission from it of detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and only material and workmanship of the first quality are to be used. Proof of specifications compliance will be the responsibility of the vendor.

### **4. Preparation of Proposal**

- a. The bidder’s proposal shall be written in ink or typewritten on the form provided.
- b. If items are listed with a zero quantity, bidder shall state unit price **ONLY** (intended for open end purchases where estimated requirements are not known). The proposal shall show a total bid price for each item bid and the total bid price of the proposal, excluding zero quantity items.

### **5. Prices Quoted**

The prices quoted are those for which the material will be furnished F.O.B. Destination and include all charges that may be imposed during the period of the contract.

## **6. Samples or Brochures**

Samples or brochures may be required by the County for evaluation purposes. They shall be such as to permit the County to compare and determine if the item offered complies with the intent of the specifications.

## **7. Questions and Inquiries**

All questions and inquiries should be directed to the Director of Purchasing identified above.

Questions must be submitted in writing by letter or email.

Questions must be received by **February 24, 2020**. A summary of questions and answers will be distributed to all offerors that were sent this RFP or otherwise are known by the Director of Purchasing to have obtained this RFP.

Written responses shall be considered the official answers and shall supersede any verbal discussions. Verbal answers are not binding, and reliance should not be placed on the same.

## **8. Submission Deadline and Instructions**

**All proposals must arrive at the Director of Purchasing ("Bid Receipt Office") by March 5, 2020, at 10:00 A.M. in order to be considered.** Requests for extension of this date or time will not be granted. Offerors mailing proposals should allow sufficient mail and internal delivery time to ensure timely receipt at the Bid Receipt Office. Proposals or unsolicited amendments to proposals arriving after the closing date and time will **NOT** be considered.

**Bidders are cautioned that bids mailed, shipped express, by courier, or hand delivered to arrive the day of the bid opening must be in the hands of the Bid Receipt Office no later than 10:00 a.m. on the date specified. Bids received later than that time will be returned unopened. Please check your method of delivery to see if it conforms to this requirement. Proposals must be mailed, shipped, or hand delivered to the address below:**

Director of Purchasing  
Bid Receipt Office  
County Commissioners of Kent County, Maryland  
400 High Street  
Chestertown, Maryland 21620-1312

**BIDDERS ARE ADVISED THAT MAIL IS DELIVERED ONCE A DAY, AND USUALLY ARRIVES AFTER THE TIME SPECIFIED FOR BID DELIVERY ON THE APPLICABLE DATE.**

**BIDS WILL NOT BE ACCEPTED AT ANY OTHER LOCATION.**

**THE COUNTY WILL NOT BE RESPONSIBLE FOR ANY BIDS DELIVERED TO ANY OTHER LOCATION THAN THE OFFICE OF DIRECTOR OF PURCHASING WHETHER SUCH OTHER LOCATION IS A COUNTY OFFICE OR OTHERWISE.**

All proposals must be in a sealed envelope with the following information clearly printed on the outside:

**THIS IS A SEALED BID PROPOSAL FOR**

**KENT COUNTY – WW 20-01\_\_\_\_\_.**

Please note that if a bid is mailed, sent by messenger service, or delivered by commercial carrier (e.g. FEDEX, UPS, etc.). **THE OUTSIDE ENVELOPE, AS WELL AS THE INSIDE ENVELOPE, IF ANY, MUST CONTAIN THE LEGEND SHOWN ABOVE.** County staff receives many items by such services and if the legend does not appear a response may be misrouted or delayed in opening. The bidder takes full responsibility for the legend and THE COUNTY WILL NOT DEEM A BID AS TIMELY RECEIVED, EVEN IF RECEIVED ON TIME, IF OPENED LATER THAN THE DEADLINE DUE TO LACK OF THE APPROPRIATE LEGEND ON THE MAILER/OUTSIDE ENVELOPE.

**9. Duration of Offer**

Unless otherwise specified by the County, proposals submitted in response to this solicitation are irrevocable for 120 days following the closing date. This period may be extended only with the offeror's written agreement.

**10. Withdrawal of Proposals**

A bidder may withdraw its proposal unopened after it has been deposited, if such a request is made prior to the time set for the opening of the proposal.

**11. Public Inspection of Proposals**

If the bidder designates a portion of its bid as confidential, it shall isolate and identify in writing the confidential portions. The bidder shall include with this designation a statement that explains and supports for firm's claim that the bid items identified as confidential contain trade secrets or other proprietary data.



## **12. Changes in Contract Documents**

Changes to contract documents shall be made only in writing, and copies will be emailed, faxed, or mailed to all known prospective bidders. The County assumes no responsibility for verbal instructions or interpretations. The contract documents contain the provisions required for the contract. Information obtained from an officer, agent, or employee of the County or any other person shall not affect the risks or obligations assumed by the bidder or relieve him of fulfilling any of the conditions of the contract.

## **13. Revisions to the RFP**

If it becomes necessary to revise this RFP, amendments will be provided to all prospective offerors that were sent this RFP or otherwise are known by the Director of Purchasing to have obtained this RFP. Acknowledgment of the receipt of all amendments will be required.

## **14. Cancellation of the RFP; Rejection of All Proposals**

The County may cancel this RFP, in whole or in part, or may reject any/all proposals submitted in response whenever this action is determined to be in the best interest of the County. Kent County shall have no liability or obligation to any of the proposers preparing or submitting proposals under this RFP.

## **15. Proposal Acceptance; Discussions**

The County reserves the right to accept or reject any and all proposals, in whole or in part, received in response to this RFP, to waive or permit cure of minor irregularities; and to conduct discussions with all qualified offerors in any manner necessary to serve the best interests of the County. The County also reserves the right, at its sole discretion; to award a contract based upon the written proposals received without prior discussions or negotiations.

## **16. Disqualification of Bidders**

Any one or more of the following causes may be considered as sufficient for the disqualification of a bidder and the rejection of its proposal or proposals:

- A. More than one proposal for the same contract from an individual, firm, or corporation under the same or different names.
- B. Evidence of collusion among bidders.
- C. Unsatisfactory performance record as evidenced by past experience.
- D. If the unit prices are obviously unbalanced either in excess or below reasonable cost analysis values.
- E. If there are any unauthorized additions, interlineation, conditional or alternate bids or irregularities of any kind which may tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.
- F. Non-attendance of mandatory pre-bid meetings may be cause of disqualification.

## **17. Bid Opening**

All bids will be opened and publicly read by designated County staff at 10:00 a.m., March 5, 2020, 400 High Street, Chestertown, Maryland. Bidders and other interested parties are invited to attend these public forums.

## **18. Omission of Specifications**

The omission of a bidder of any specifications, or details of any specifications which would normally apply to the products of service herein stated, shall not relieve the bidder from fulfilling those required specifications needed to provide an end product best suited to the intended purpose. The best commercial practices are to prevail, and only materials of first quality, correct type, size, and design are to be used.

Workmanship shall be of first quality. All parts and materials, whether specified herein or not, shall be rated to meet or exceed the maximum rating required by the product or service and its maximum intended purpose.

## **19. Incurred Expenses**

The County will not be responsible for any costs incurred by an offeror in preparing and submitting a proposal in response to this RFP.

## **20. Compliance with Law**

By submitting an offer in response to this RFP, the offeror, if awarded the contract, agrees that it will comply with all federal, state, and local laws applicable to its activities and obligations under the contract.

## **21. Acceptance of Terms and Conditions**

By submitting a response to this RFP, an offeror shall be deemed to have accepted all the terms, conditions, and requirements set forth in this RFP unless otherwise clearly noted and explained in its proposal. All proposals submitted in response to this request for Proposal become the property of the County. ***All County agreements are subject to the County's General Terms and Conditions unless otherwise specifically changed or waived hereunder or in the Contract.***

## **22. Term**

Any contract(s) resulting from this procurement will be for the stated period; provided, however, that all contracts are subject to non-appropriations and termination for convenience clauses.

### **23. Failure To Deliver or Perform**

In the event the offeror fails to deliver the goods or services covered by the contract and in accordance with the delivery dates stipulated in the contract, the County reserves the right to purchase on the open market those goods and services which the offeror has failed to deliver and shall deduct any additional costs incurred by the County as a result of such failure to deliver, from any money due the offeror under the contract or other contracts with the County.

### **24. Termination of Contract**

The County reserves the right to cancel the contract entered into as a result of this bid if, in its opinion, there shall be a failure on the part of the offeror at any time to perform faithfully any of the contract requirements. Should the offeror fail to comply with contract requirements, except for circumstances beyond its control, such as, but not limited to an Act of God, war, flood, and governmental restrictions, the County reserves the right to purchase the required goods or services in the open market and charge the offeror with any excess costs, or to complete the required work or obtain the required goods at the expense of the offeror and to withhold any monies that may be due or become due and apply same to any expenses or excess costs incurred to the County.

**The County may terminate this agreement at any time, for any reason, and shall be liable only for time and costs incurred as of the date of termination.**

### **25. Changes to the Contract**

The County may at any time make changes within the general scope of the contract in the design or specifications of the services to be delivered. The contract shall be modified in writing to reflect any equitable adjustment caused by any increase or decrease in the offeror's cost or time required for performance or change in scope of service. The County reserves the right to increase or decrease quantities and/or projects at their discretion.

### **26. Agreement/Contract**

Any agreement or contract resulting from the acceptance of a Proposal shall be on forms either supplied by or approved by the County and shall contain, as a minimum, applicable provisions of the Request for Proposal. The County reserves the right to reject any agreement that does not conform to the Request for Proposal and any County requirements for agreements and contracts.

### **27. Contract and Related Data**

No reports, information or data given to or prepared by the County under the contract shall be made available to any person by the firm without the prior written approval of the County.

## **28. Contract Award**

It is the intent of the County to award a contract to the lowest qualified responsible and responsive bidder within 30 calendar days following bid opening; however, the County requires bidders, by signing the “Standard Bid Acceptance” form to guarantee their bid for a period of 120 days following the bid opening date. The County reserves the right to reject any and/or all bids.

The County also reserves the right to negotiate further the terms of the contract, including the award amount, with the selected bidder prior to entering into a contract. If contract negotiations cannot be concluded successfully with the selected bidder, the County may negotiate a contract with the next selected bidder, and so on. The County reserves the right to negotiate with the bidder whose proposal is the closest to being acceptable or to seek additional proposals after the proposal date. The County reserves the right to waive any irregularities and technicalities and may, at its discretion, request a follow-up or amended proposal.

## **29. Contract Extension**

The County reserves the right to extend the contract on a month-to-month basis for a period of up to three months.

## **30. Contract Documents**

The Contract Documents shall include this RFP, Schedule, Information to Bidders, Bid Forms, Specifications, Attachments, Drawings, Addenda, the County General Terms and Conditions, the resulting contract, and any other documents which are clearly intended to be a part of the terms, conditions, requirements, and specifications for the subject products or services.

## **31. Kent County Purchasing Code**

All County purchases are subject to and to be accomplished in accordance with Chapter 49 of the CPLL. Bidders should familiarize themselves with Chapter 49, as it will be in effect on and after that date. A copy of Chapter 49 may be obtained from the Clerk to the County Commissioners, 410-778-4600 and available online through the County’s web site at <http://www.kentcounty.com/>

## **32. Termination for Convenience**

Contracts shall remain in effect for the time period and quantity specified unless the contract is terminated by the County. The County may terminate the contract at any time by giving written notice of such termination and specifying the effective date thereof, at least thirty (30) days before the effective date of termination.

### **33. Termination for Cause**

If, for any reasons, or through any cause, the Contractor fails to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor violates any of the covenants, agreements, or stipulations of this Contract, the County shall thereupon have the right to terminate this contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least five (5) days before the effective date of such termination. In the event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports or other material prepared by the Contractor under this Contract shall, at the option of the County, become its property, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials which is usable to the County.

### **34. Non-discrimination**

The County is an equal opportunity employer. The County complies with Title VI of the Civil Rights Act of 1964, which provides that no person shall be denied on the grounds of race, color, or national origin, be excluded from, be denied the benefits of, or discriminated against under any program or activity receiving Federal financial assistance. **Each bidder shall verify through execution of the bid form that it does not discriminate on the basis of race, color, creed, religion, gender, age, lawful sexual orientation, marital status, national origin, or on any other basis generally prohibited by any federal, State, or local law, rule, or regulation.**

### **35. Kent County Ethics Ordinance**

By submitting a bid in response hereto, the bidder acknowledges that it is familiar with the County's Code of Ethics, CPLL, Chapter 29, and certifies that it has no knowledge of any violation of that Chapter, that it has no knowledge of any conflict of interest which may exist or arise under Chapter 29 if the bidder is awarded a contract, and that it has not given any gift (as that term is defined in Chapter 29) to anyone who has or may participate in the awarding of this contract or the management or supervision thereof. Contact the County's Attorney Office at 410-810-0428 if any additional information is required. A copy of Chapter 29 may be obtained from the Clerk to the County Commissioners, 410-778-4600 and available online through the County's web site at <http://www.kentcounty.com/>

## **SECTION B. BID PROPOSALS AND RELATED MATTERS**

### **1. Pre-Proposal Conference**

A pre-proposal conference will not be scheduled. If your firm plans to send representatives to visit the site, please notify the Director of Procurement to make arrangements.

## **2. Presentation**

Offerors may be required to make individual written or oral presentations to the County representatives in order to clarify their proposals.

## **3. Proposal Form**

Proposals should be prepared simply and economically, providing a straightforward, concise description of the offeror's proposal for meeting the requirements of this procurement.

## **4. Bid Forms**

All Bids must be made on the required bid forms. All blank spaces for bid prices must be completed in ink or typewritten, and the bid form must be fully completed and executed when submitted. Unless otherwise specifically required, only one copy of the bid form is required. A conditional or qualified bid will not be accepted. The base price on the bid form shall be the total cost of the item being bid in accordance with the specifications in the RFP. Alternates shall only be used to reflect increases or decreases in the base bid price. Only those alternates, which are specifically requested by the County will be considered.

## **5. Bid Notice Disclaimer**

The mailing of bid solicitations (notices) to incumbent and/or potential vendors of goods and services is a courtesy extended by the County, as well as a method for generating interest among vendors. For purposes of bidding opportunities, generally, interested vendors should rely on the public notices published in the newspapers of general circulation in Kent County and the eMaryland Marketplace.

## **6. Bid Surety**

All bids shall be accompanied by a Bid Surety in the form of a certified check, or bid bond, made payable to the County Commissioners of Kent County, Maryland for the penal sum of 5% of the bid price. Bid Surety will be returned to all bidders upon completion of the contract award process, with the exception of the successful bidder. Non-Performance or failure to sign the contract within ten (10) working days after the award, or later within the bid guarantee period at the discretion of the County, or withdrawal of a bid subsequent to opening but prior to award, shall result in forfeiture of the Bid Surety. Any Bid Surety and related forms and instruments required must be executed and attached to the bid submittal.

## **7. Waiver of Technicalities**

The County reserves the right to waive formalities or technicalities in bids as the interest of the County may require in accordance with the terms of the County's Purchasing Ordinance, Chapter 49, Code of Public Local Laws of Kent County, Maryland ("CPLL").

## **8. Basis of Award**

All responsive proposals from responsible bidders will be eligible for contract award, based on the following:

- A. Lowest price from a responsive and responsible bidder as indicated by the total price on the bid form.
- B. Compliance with specifications.
- C. Compliance with terms of bid package.
- D. Ability to perform or deliver on time.

The County may undertake such investigations or inquiries as it deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish County with all requested information and data for this purpose.

## **9. Modification or Withdrawal of Bids**

- A. Pre-Opening Modification or Withdrawal of Bids  
Bids may be modified or withdrawn by written notice received by the Clerk to the County Commissioners before the time and date set for bid opening.
- B. Disposition of Bid Bond  
If a bid is withdrawn in accordance with this regulation, the Bid Bond, if any, shall be returned to the Bidder.
- C. Late Bids, Late Withdrawals, and Late Modifications  
Any bid and any request for Withdrawal or Modification received after the time and date set for receipt and opening of bids is late and will be disregarded.

## **10. Performance and Payment Bonds**

In accordance with the specifications, the selected bidder is required to furnish a Performance Bond and a Payment Bond in an amount not to exceed one hundred percent (100%) of the contract price. In such cases, the successful bidder shall be required to furnish the bond(s) at the time of the execution of the contract. Where attorneys-in-fact sign bid, payment, and/or performance bonds bidders must provide with each bond a certified and effective dated copy of their Power of Attorney. The bidder to whom the contract is awarded will be required to execute the contract and obtain the requisite bonds within ten (10) calendar days from the date when Notice to Award is delivered by the County to the bidder.

## **11. Substitutions**

The material, products, and equipment described in the bidding documents establish a standard of required function, dimension, appearance, and equality to be met by any proposed substitution, unless specifically stated otherwise. No substitutions will be considered prior to receipt of the bids unless a written request for approval has been received at least ten (10) days prior to the receipt of bids. Each such request shall include the name of material or equipment for which a substitution is proposed and a complete description of the proposed substitute including drawings, cuts, performance, test data, and any other information necessary for evaluation.

## **12. Alternates**

An alternate is a dollar amount to be added to or subtracted from the base bid price. The County may request alternate prices to compare various options that may be in their best interest. The County shall have the right to accept alternates in any order or combination, and to determine the low bidder on the basis of the base bid and alternates accepted.

## **13. Addenda**

Addenda, if any, will be emailed, mailed or delivered to all that are known to have received a complete set of bidding documents and will be posted on the eMaryland Marketplace. Copies of Addenda will be made available for inspection wherever bidding documents are on file for that purpose. No addenda will be issued later than three (3) days prior to the date for receipt of bid, except an Addendum withdrawing the request for bids or one which includes postponement of the date for receipt of bids.

## **14. Trade and Brand Names**

Unless specifically provided otherwise in an RFP, the use of or references to any trade or brand names in this bid package shall be solely for the purpose of establishing a standard, and shall in no way infer that other trade and brand names will not be acceptable.

## **15. Product Literature**

Bidders shall include with their bid submittal literature detailing make, model, and specifications of the product which they are bidding, if applicable.

## **16. Exceptions to Bid Specifications**

Any bidder taking an exception to the stated specifications or requirements must make such exceptions clear and in writing, and shall attach such exceptions to, or include them in, the sealed bid proposal. This section is not to be construed to mean that the County is obligated to accept any such exception.



**THE COUNTY IS NOT OBLIGATED TO ACCEPT ANY BID NOT IN CONFORMANCE WITH BID SPECIFICATIONS AND MAY REJECT SUCH BIDS WITHOUT COMMENT OR REVIEW. BIDDERS TAKING SUCH EXCEPTIONS DO SO AT THEIR OWN RISK.**

**17. Time of Delivery**

The Contractor, after receipt of written notice of the award of the contract and receipt of the purchase order, shall diligently prosecute same so that it will be fully completed within the number of consecutive calendar days stated in the proposal. Calendar days for completing delivery of the bid items shall start from the date of notice of said award and purchase order.

**18. Default in Contracting**

Should the bidder to whom the contract is awarded fail, or be unable, to execute the contract for any reason, within ten (10) calendar days after notification of award, then an amount equal to the difference between the accepted bid price and that of the next highest bidder shall be forfeited to the owner as liquidated damages.

**19. Payment Terms**

Payment will be made only for properly approved invoices supported by adequate information and details enabling the County to make a determination that the appropriate level of performance has been reached, including invoices for materials actually delivered and services actually performed. Otherwise, payment will not be made. Invoices must include the period covered and a detailed listing of the items included in the invoice, which shall be subject to the review of the County. Invoices shall be submitted monthly (for ongoing projects or orders) or within 30 days of delivery or completion (for single service or delivery contracts) by paper or by electronic invoice (via fax or email). Approved payment shall be made to the contractor within forty five (45) calendar days of receipt of an acceptable invoice. Payment will be made upon successful submission and approval of services. Invoices shall be mailed directly to the designated Contract Administrator.

**20. Kent County Substance Abuse Policy**

The County adopted the “Kent County Government Substance Abuse Policy,” to which policy the successful bidder must strictly adhere. Prospective bidders are cautioned to make themselves familiar with the policy. **Bidders must state on the “Standard Bid Form” whether or not you have a drug abuse program in effect.**

**21. Insurance**

Prior to execution of this contract, the successful bidder shall submit a “**Certificate of Insurance**” indicating it carries the specified insurances in the amount specified in this RFP. Coverages shall be maintained throughout the term of the contract. Unless otherwise

specified, coverage levels shall be required as follows:

- A. Professional malpractice, negligence, and errors and omissions coverage in minimum amounts of \$2,000,000.00 per event and \$1,000,000.00 per person.
- B. General Liability - Minimum - \$2,000,000.00
- C. Workers' Compensation Insurance as required as law.
- D. Comprehensive Liability Insurance with minimum limits of \$1,000,000.00 per person, \$2,000,000.00 per occurrence. Policy shall include the broad form of Comprehensive General Liability Endorsement or its equivalent.
- E. All required coverages shall include and specifically name the County as an additional insured and loss payee with respect to all operations under the contract.
- F. The successful bidder will furnish the County any up-to-date certificates of insurance stating the requirements listed above at contract implementation.

## **22. Immigration Law Compliance**

By submitting and signing a proposal, each bidder hereby certifies that it does not, and if awarded the contract, will not during the performance of the contract, employ illegal workers or otherwise violate any provisions of any applicable federal, State, or local law concerning the employment of illegal aliens, the certification of nationality of workers, or otherwise.

## **23. Federal Taxpayer Identification Certificate (W-9)**

All first time successful bidders doing business with the County must submit a completed standard "Federal Taxpayer Identification Certificate - [W-9](#)."

## WW 20-01

### SECTION C. SCOPE OF WORK, SPECIFICATIONS AND RELATED MATTERS

#### GENERAL

The selected vendor shall be responsible for providing a flocculating tube clarifier (clariflocculator) to replace an existing unit at the Fairlee Water treatment Facility located at 1 Watertower Road, Chestertown, MD 21620. The replacement clariflocculator shall be manufactured, delivered and inspected for installation under this contract. The County will be contracting with a general contractor to remove the existing unit and installing the replacement clariflocculator to a working condition.

The existing clariflocculator is a Wheelabrator Microfloc Products FTC-150H Field Assembly Unit installed in 1994. Refer to Attachment 1 for the field assembly drawings of the existing clariflocculator.

The design has been completed for the installation contract. The design is based on a WesTech Model CLX2F flocculating tube clarifier. Note that access to the inside of the building is a 10' wide by 12' high overhead door. Equipment design shall allow placement of the unit modules without modification of the building access. Refer to Attachment 2 - Fairlee Clariflocculator Replacement plans for information on the installation.

#### FLOCCULATING TUBE CLARIFIER SPECIFICATIONS

##### PART 1 - GENERAL

##### A. SCOPE

Contractor shall furnish and deliver for installation equipment for one (1) Flocculating Tube Clarifier with all necessary equipment. The equipment shall include two flocculation chambers, shallow depth tube settlers, collection troughs, conical sludge hoppers, anchor bolts, motors, control panels, valves and all other appurtenances required for the installation of a fully functioning unit. The unit shall be sized to fit in the area designated in the installation drawings with connection pipes oriented to match existing piping. The clariflocculator equipment specified shall be installed in a stainless steel tank. The equipment shall be modeled after the existing Flocculating Tube Clarifier.

##### B. SUPPLIER

The equipment specified in this section shall be as designed and supplied by WesTech Engineering, Inc. for their Model CLX2F flocculating tube clarifier. Substitute equipment will be considered by the County if it meets the requirements herein.

##### C. DESIGN CRITERIA

Design Flow Rate	140 GPM
Number of Clarifiers	1
Number of Flocculators	2
Flocculation Cell Size	5.5'L x 5.5'W

Flocculator Section Basin Size	5.5'L x 11'W x 12'D (inside dimensions)
Tube Settler and Clearwell Section Basin Size	16.5'L x 7'W x 12' D (inside dimensions)
Tube Settler Design Surface Loading Rate	2 gpm/ft <sup>2</sup>
Detention Time per Cell at Design Flow	17.9 minutes
Total Flocculation Detention Time	35.8 minutes

Flocculators	4' Diameter paddle wheel with four (4) 304 stainless steel arms and four (4) FRP paddles per arm.
Flocculator Drive	Direct drive with helical reduction, 0.5hp, 230/460 v, 3 phase, 60 hertz, TEFC VFD rated Motor
Control Panels	NEMA 4X 304 SS
Tube Settlers	Minimum 100 square feet 24 inch deep 60 degree incline PVC tube settler modules with supports. 304 Stainless Steel supports.
Effluent Launder System	140 gpm V-notch weir finger launders, 3/16" 304 Stainless Steel frame and gutter with Fiberglass reinforced plastic V-notch weirs.

#### **D. WARRANTY**

A written supplier's warranty shall be provided for the equipment specified in this section. The warranty shall be for a minimum period of one year from start-up or 18 months from time of equipment shipment, whichever comes first. Such warranty shall cover all defects or failures of materials or workmanship which occur as the result of normal operation and service.

#### **E. SUBMITTALS**

Copies of all materials required to establish compliance with these specifications shall be submitted for review. Submittals shall include at least the following:

1. Certified general arrangement drawings showing all important details and materials of construction, dimensions, nozzle sizes, loads on supporting structures, and anchor bolt locations.
2. Descriptive literature, bulletins, and/or catalogs of the equipment.
3. Complete data on motors and speed reducers.
4. Electrical schematics for all control equipment to be furnished.
5. Complete calculations signed by a registered professional engineer verifying the mixer and flocculator velocity gradients, power consumption, detention times, and hydraulic loading rates.
6. Manufacturers Operation and Maintenance Manual

#### **F. EXPERIENCE**

1. The equipment supplier shall have at least 15 years experience in the design, application, and supply of water or wastewater treatment equipment. To show evidence of being able to provide the quality of equipment and services described in

this specification, the equipment supplier shall submit their quality system ISO 9001 certification. The quality procedures shall provide for a means of qualifying all sub-vendors and shall specify that the fabrication facility is a critical vendor and shall require inspection. The quality system shall be audited by a third party independent inspector. Certification shall remain in effect throughout the project startup.

## **PART 2 – PRODUCTS**

### **A. GENERAL DESIGN**

1. **Description:** The flocculating tube clarifier shall be of a stand-alone unit type with integral flocculation and sludge hoppers. Influent flow discharges into a two-stage flocculation chamber to aid in the formation of settleable flocculated particles. The flow shall then move forward for clarification through the tube settler chamber.

The separator shall be designed so that settled solids shall flow downward along the tube settlers, and be collected in conical sludge hoppers. These settled solids shall be removed from the hoppers through a blow down pipe at the bottom of the sludge hopper.

2. **Materials:**

Tank: All steel and structural members shall be constructed of 304 stainless steel. Steel members in contact with liquids, either continuously or intermittently, shall have a minimum thickness of 3/16 inch.

Tubes: Tube settlers are comprised of multiple PVC tubular channels.

Effluent collection: Effluent troughs shall be made of 304 stainless steel.

All Connection Hardware shall be 304 Stainless Steel.

Note the Bid includes Option 2 to provide a price deduct to provide A36 carbon steel fabrication with an Epoxy painted coating in lieu of stainless steel for the tank. Option 2 would apply to the tank structural components, effluent troughs, tube settler and flocculator drive supports.

3. **Fabrication:** Shop fabrication of structural members shall be in accordance with the latest edition of the "Structural Welding Code", AWS D1.1, of the American Welding Society. All welded connections shall develop the full strength of the connected elements and all joined or lapped surfaces shall be completely seal welded with a minimum 3/16 inch fillet weld. Intermittent welding on structural joints and steel components shall not be allowed. All welding shall be done in accordance with the latest edition of the AWS code.
4. **Edge Grinding:** Sharp projections of cut or sheared edges of ferrous metals shall be ground to a radius by multiple passes of a power grinder.
5. **Shop Surface Preparation/Coating:** The drive units shall be coated with the supplier's standard epoxy enamel paint system.

Bid Option 2 Preparation/Coating: All fabricated steel shall be blasted and primed with Tnemec N69 Hi-Build Epoxoline II at 4.0-6.0 mils dry thickness. Finish paint to be applied in the field by the installation contractor under a separate contract.

6. **Structural Design:** All steel design shall be in accordance with the AISC Manual of Steel Construction, latest edition, and the Uniform Building Code (UBC), latest edition.

## **B. FLOCCULATOR MECHANISM**

1. **Description:** An integral flocculation chamber with vertical paddle wheel flocculators shall be provided. The flocculation chambers include two stages for tapered flocculation. The paddle wheel flocculators shall be made of 304 stainless steel with FRP paddles designed to achieve an appropriate velocity gradient, or G-value, as recommended by the equipment manufacturer. Each chamber is complete with one paddle wheel flocculator.
2. **Drive Unit:**
  - a. **Design Parameters:** The drive unit shall be capable of continuously turning the mechanism at the design maximum tip speed. Speed adjustment shall be obtained by means a variable frequency speed controller. The drive shall be supported by a rigid stainless steel plate bolted to the bridge.
  - b. **Speed Reducers:** The speed reducing unit shall consist of cycloidal or helical gear reducers directly connected to a motor without the use of chains or v-belts. The pinion gear shall be integral with the shaft.

Speed reduction gearing shall be fully enclosed in an oil-tight, cast-iron, or welded steel housing of splash and drip-proof construction suitable for outdoor use.

The main ring gear of cycloidal drives shall be made of high carbon chromium bearing steel and be fixed to the drive casing. An eccentric bearing on the high speed shaft shall roll cycloidal discs of the same material around the internal circumference of this main ring gear. The lobes of the cycloid disc shall engage successively with pins in the fixed ring gear. The movement of the cycloid discs shall then be transmitted by pins to the low speed shaft.

Helical speed reducer gearing shall be manufactured to AGMA standards. Gears shall be of the helical type made from properly heat-treated alloy steel. They shall be formed with accurate tooth contours and finished in a manner ensuring accurate meshing and quiet running.

The reducers shall be fitted with anti-friction bearings of proper size for all mechanism loads. Reducers shall be built for continuous service 24 hours per day and shall be of ample capacity for transmitting the required power and torque output. Bearings and gearing shall run in a totally submerged oil bath or be grease lubricated. The speed reducers shall have a minimum service factor of 1.25.

- c. **Variable Frequency Speed Controller:** Variable frequency drive (VFD) equipment shall be furnished by the flocculator manufacturer, complete with specified sensors, and shall vary the speed of a 230 volt, 3 phase squirrel cage induction motor.

The equipment shall incorporate circuit protective devices, filters, selector switches, meters, speed setting potentiometers, indicating lights, control transformer, fuses, relays, wiring, terminals, nameplates, and any other required components to provide a satisfactory operating variable frequency speed system. All components shall be enclosed in ventilated 304SS cabinets with hinged doors and equipped with the required hardware. The ambient temperature range shall be from 0/C to 40/C. The line voltage will be constant at 230 VAC within plus or minus 10 percent. A circuit breaker shall be provided as a protective device or the equipment power supply.

The VFD equipment shall be installed in prewired, post mounted NEMA 4X stainless steel operator's control panel.

**Motor:** The motor shall be an 1800 RPM, squirrel cage, induction type, TEFC, ball bearing heavy duty unit of ample power for starting and operating the mechanism without overload, with a service factor of 1.15. A motor canopy shall be provided.

Power supply to the equipment shall be 230 volt, 60 hertz, 3 phase.

- 3. **Torque Shaft:** The rotating torque shaft shall be rigidly connected to the output shaft of the drive unit. The lower end of the shaft shall be unsupported. The shaft shall be hollow or solid steel and shall be designed to not exceed 6,000 psi unit stress under combined loading.
- 4. **Electrical:** The equipment supplier shall furnish all electrical items specifically called for in this specification section. The installation contractor shall supply all other electrical items required to place the equipment into service.

The installing contractor shall supply and install all field wiring required including but not limited to proper size wire, conduit, fittings, and supports.

## C. TUBE SETTLER MODULES

1. **Description:** Tube settlers are comprised of multiple PVC tubular channels. sloped at an angle of about 60 degrees, which allow enhanced settling characteristics and accumulation of solids within a settling basin. Tube modules will be 2 ft. height, 1 ft. or 2 ft. widths, up to 12 ft. lengths as required by the tank geometry and support structure. Tube settler modules shall have a minimum tube length of 27.5 inches. Stainless steel support structures shall be designed and supplied by the equipment manufacturer.

## D. EFFLUENT REMOVAL

1. **Collection Troughs:** Stainless steel rectangular effluent collection troughs shall be provided over the tube settler section of the tank as shown on the drawings.

## E. SLUDGE COLLECTION AND REMOVAL

1. **Sludge Collection Hopper:** Four (4) conical sludge hoppers shall be constructed as part of the overall tank design. Hopper sides shall be sloped to enhance concentration of the sludge and to transport the concentrated sludge to the sludge draw-off points located at the bottom of the hoppers.
2. **Sludge Blow Down Valves:** Four (4) motorized 4 inch eccentric plug valves shall be provided for blow down of the sludge hoppers. Valves shall be controlled from a valve control panel. Valves shall be manufactured by Dezurik with a cast iron body and chloroprene plug facing. Actuator shall be electric with manual wheel override.
3. **Control Panel:** Provide a NEMA 4X stainless steel post mounted control cabinet to enclose the controls for the operation of the four motorized sludge valves for sequential timed opening on an adjustable 24 hour schedule. Power to the panel shall be 120 volts. Controls shall include a programmable daily mechanical Torx style or electronic programmable timer to initiate the sludge blow-down cycle. A mechanical or electronic automatic resettable cycle timer shall be provided to allow the operator to set the time sequence for each individual valve to open and close between 1 and 6 minutes per cycle in 15 second intervals.

The control panel shall also include a surface mounted manual start push button and sludge wasting indicator light for the blow down cycle and valve open indicator lights for each control valve.

The panel shall include all necessary wiring, relays, starters, breakers, control transformer, fuses, wiring terminals, nameplates, and any other required components to provide a complete working system.

## F. TANK



The tank shall include flanged nozzle connections for inlet, clarifier outlet, and sludge removal. Sample taps shall be 1-inch NPT female connections.

#### **G. ANCHORAGE AND FASTENERS**

1. **Anchor Bolts:** All anchor bolts shall be a minimum of 3/4 inch diameter and made of type 304 stainless steel. The equipment supplier shall furnish all anchor bolts, nuts, and washers required for the equipment.
2. **Fasteners:** All structural fasteners shall be a minimum of 1/2 inch diameter and made of type 304 stainless steel. The equipment supplier shall furnish all fasteners required for the assembly of the equipment.

### **PART 3 – INSTALLATION**

#### **A. GENERAL**

The equipment shall be fabricated and supplied to properly provide a complete working system. Detailed assembly and installation instructions shall be provided to meet the site specific conditions.

#### **B. MANUALS**

The equipment supplier shall furnish two (2) hard copies and one scanned copy of operation and maintenance manuals which will be retained at the installation site to assist plant operators. The manual shall include the equipment supplier's erection and assembly recommendations and a complete list of recommended spare parts.

#### **C. FIELD SERVICE**

The equipment supplier shall provide the service of a qualified representative for 3 trips and 6 days to inspect the mechanism installation, assist in start-up, and instruct plant personnel in the proper operation and maintenance of the mechanism. A certificate of completion shall be provided by a manufacturer's representative to confirm the installation and testing of the system has been approved for use and under warranty.

#### **D. FIELD TESTING**

1. **Operation Tests:** The mechanism shall be operated in a dry tank for a minimum of 4 continuous hours before flow is allowed to enter the system. There shall be no binding, jerky, or unusual motion exhibited during this run in period. Motor amperage shall be checked at least hourly for any unusual or higher than normal figures. After the unit has successfully passed this initial test, flow shall be introduced into the tank and the same 4 hour observation test run. If the unit should fail under any of these conditions, the test shall be halted, and the problem corrected. If after several attempts the unit does not successfully pass the field test, the faulty portion of the equipment shall be replaced and the test re-run.

**E. COMPLETION TIME**

Proposals shall include a schedule for shop drawing submittal, fabrication and delivery.

**F. PAYMENT SCHEDULE**

Proposal shall include a payment schedule including:

Shop Drawing submittal

Approval to begin fabrication

Ready for Shipment

Delivery

Completion of inspection installation, start up, training and testing

The County will retain 5% retainage until completion of installation.

## **SECTION D. BID FORMS**

### **BID NUMBER WW 20-01**

1. Standard Sealed Bid Price Sheet
2. Standard Sealed Bid Form
3. Bid Bond
4. Signature Form
5. Affidavit of Qualifications to Bid
6. Non-Collusion Certificate

## STANDARD SEALED BID PRICE SHEET

### BID NUMBER WW 20-01

County Commissioners of Kent County, Maryland:

We hereby submit, for your review, our proposal requested by the RFP. This proposal includes and incorporates all information and specifications, which are contained in the Contract Documents, as described in the RFP, the same as if specifically written herein. A completed, signed, and accepted copy of this Standard Sealed Bid Form shall serve as a valid and binding contract.

### Water Treatment Clariflocculator System Fabrication and Delivery

#### Basis of Bid

Bidder shall complete the work under Schedule A in accordance with the Contract Documents for the following price(s):

#### Schedule A

Item No.	Payment Schedule Description	Lump Sum Price
A1	Bonds, Insurances, Submittal of Shop Drawings	\$
A2	Approval to Manufacture	\$
A3	Ready to Deliver	\$
A4	Delivery	\$
A5	Completion of Start-up Testing and Training	\$
Total Bid Option 1		\$

Total Bid Option 1 \$ \_\_\_\_\_ Dollars and \_\_\_\_\_ cents  
(written)

Bidder shall complete the work under Schedule B in accordance with the Contract Documents for the following price(s):

#### Schedule B Alternate

Item No.	Description	Lump Sum Price
B1	Deduct price under Bid Item A3 for providing Epoxy Painted Carbon Steel Tank in lieu of Stainless Steel	\$
Total Bid Option 2 (Schedule A minus B)		\$

Total Bid Option 2 \$ \_\_\_\_\_ Dollars and \_\_\_\_\_ cents  
(written)

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<b>Drug Abuse Policy In Effect (Circle One)</b>	<b>YES</b>	<b>NO</b>
<b>Insurance certificate attached (Circle One)</b>	<b>YES</b>	<b>NO</b>
<b>Bid Surety Attached? (Circle One)</b>	<b>YES</b>	<b>NO</b>
<b>Signature form executed? (Circle One)</b>	<b>YES</b>	<b>NO</b>
<b>Affidavit of qualification to bid? (Circle One)</b>	<b>YES</b>	<b>NO</b>
<b>Non-collusion certificate (Circle One)</b>	<b>YES</b>	<b>NO</b>

**STANDARD SEALED BID FORM**

**BID NUMBER WW 20-01**

**BIDDER:**

**AGENT (TYPED):** \_\_\_\_\_

**FIRM Name:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**TELEPHONE:** \_\_\_\_\_

**EMAIL:** \_\_\_\_\_

**FAX #:** \_\_\_\_\_

**Submitted by:** \_\_\_\_\_

(Signature of authorized agent above)

\_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_ 2020.

**Accepted by:**

\_\_\_\_\_  
**Shelley L. Heller, by authority of the  
County Commissioners**

**ATTEST:**

\_\_\_\_\_  
**Clerk or Deputy Clerk**

**DATE** \_\_\_\_\_

BID SURETY

KNOWN ALL MEN BY THESE PRESENTS, that we the undersigned,  
\_\_\_\_\_,  
as principal, and \_\_\_\_\_,  
as surety, are hereby held and firmly bound unto the County Commissioners of Kent County  
AS OWNER in the penal sum of \_\_\_\_\_ for the  
payment of which, well and truly to be made, we hereby jointly and severally bind ourselves,  
successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted  
to the County Commissioners of Kent County a certain BID, attached hereto  
and hereby made a part of hereof to enter into a contract in writing, for the \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOW, THEREFORE,

- a) If said BID shall be rejected, or
- b) If said BID shall be accepted and the principal shall execute and deliver a contract  
in the form of Contract attachment hereto (properly completed in accordance with said BID)  
and shall furnish a BOND for his faithful performance of said contract, and for the payment of  
all persons performing labor, furnishings, materials, in connection therewith, and shall in all  
other respects perform the agreement created by the acceptance of said BID, this obligation  
shall be void, otherwise the same shall remain in force and effect; it being expressly  
understood and agreed that the liability of the Surety for any and all claims hereunder shall, in  
no event, exceed the penal amount of the obligation as herein stated.

The Surety, for value received, hereby stipulated and agrees that the obligations of said  
Surety and its BOND shall be in no way impaired or affected by any extension of the time  
within which the OWNER may accept such BID, and said Surety does hereby waive notice of  
any such extension. IN WITNESS WHEREOF, the Principal and Surety have hereunto set  
their hands and seals, and such of them as are corporations have caused their corporate seals to  
be hereto affixed and these presents to be signed by their proper officers, the day and year first  
set forth above.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

By: \_\_\_\_\_

IMPORTANT: Surety companies executing BONDS must authorized to transact  
business in the State of Maryland.

## SIGNATURE FORM

NAME OF BIDDER: \_\_\_\_\_

SIGNATURE OF AUTHORIZED PERSON: \_\_\_\_\_

PRINT AUTHORIZED PERSON: \_\_\_\_\_

TITLE OF AUTHORIZED PERSON: \_\_\_\_\_

STREET NAME AND NUMBER:  
\_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

DATE: \_\_\_\_\_

BIDDERS FEDERAL EMPLOYERS IDENTIFICATION NO. \_\_\_\_\_

BIDDERS CONTRACTORS LICENSE AND PERMIT NUMBERS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## AFFIDAVIT OF QUALIFICATION TO BID

I HEREBY AFFIRM THAT

1. I am the (Title) \_\_\_\_\_ and  
the duly authorized representative of the firm of (Name of Corporation)  
\_\_\_\_\_  
whose address is \_\_\_\_\_  
and that I possess the legal authority to make this affidavit on behalf of myself and the firm for  
which I am acting.

Except as described in paragraph 3 below, neither I nor the above firm, nor to the best  
of my knowledge, any of its officers, directors, or partners, or any of its employees directly  
involved in obtaining contracts with the State of any county, bi-county, or multi-county  
agency, or subdivision of the State, have been convicted of, or have pleaded no contender to a  
charge of, or having during the course of an official investigation or other proceeding,  
admitted in writing or under oath, acts or omissions which constitute bribery, attempted  
bribery, or conspiracy to bribe under the provisions of Criminal Law Article of the Annotated  
Code of Maryland, or under the laws of any state or the Federal government.

2. (State "none", or as appropriate, list any conviction, plea, or admission  
described in paragraph 2 above, with the data: court, position with the firm, and the sentence  
or disposition, if any) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I acknowledge that this affidavit is to be furnished to the County Attorney for the  
County Commissioners of Kent County, and where appropriate, to others. I acknowledge that,  
if the representations set forth in this affidavit are not true and correct, the County  
Commissioners of Kent County may terminate any contract awarded and take any other  
appropriate action. I further acknowledge that I am executing this affidavit in compliance with  
Section 16D of Article 78A of the Annotated Code of Maryland, which provides that certain  
persons who have been convicted of, or have admitted to bribery, attempted bribery, or  
conspiracy to bribe may be disqualified, either by operation of law or after hearing, from  
entering into contracts with the State or any of its agencies or subdivisions.

I do solemnly declare and affirm under the penalties of perjury that the contents of  
this affidavit are true and correct.

Signature \_\_\_\_\_ Date \_\_\_\_\_

## NON-COLLUSION CERTIFICATE

I HEREBY CERTIFY I am the \_\_\_\_\_  
(Title)

and the duly authorized representative of the firm of \_\_\_\_\_

\_\_\_\_\_

whose address is \_\_\_\_\_

\_\_\_\_\_

AND THAT NEITHER I, nor to the best of my knowledge, information, and belief, the above firm, nor any of its other representatives I here represent, have:

- a. Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the bid, or offer being submitted herewith.
- b. Not in any manner, directly or indirectly, entered into any agreement, participated in any collusion to fix the bid price or price proposal of the bidder, or offer of herein or any competitor, or otherwise taken into action in restraint of free competition bidding in connection with the Contract for which the within bid or offer is submitted.

In making this affidavit, I represent that I have personal knowledge of the matters and facts herein stated.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name or Type

GENERAL TERMS AND CONDITIONS OF CONTRACT  
BETWEEN COUNTY AND CONTRACTOR

(“General Conditions”)

1. ACCOUNTING SYSTEM AND AUDIT, ACCURATE INFORMATION

The Contractor certifies that all information the Contractor has provided or will provide to the County is true and correct and can be relied upon by the County in awarding, modifying, making payments, or taking any other action with respect to this contract including resolving claims and disputes. False or misleading information constitutes grounds for the County to terminate this contract for cause and to pursue any other appropriate remedy. The Contractor certifies that the Contractor's accounting system conforms to generally accepted accounting principles, is sufficient to comply with the contract's budgetary and financial obligations, and is sufficient to produce reliable financial information.

The County may examine the Contractor's and any first tier subcontractor's records to determine and verify compliance with the contract and to resolve or decide any claim or dispute arising under this contract. The Contractor and any first tier subcontractor must grant the County access to these records at all reasonable times during the contract term and for three (3) years after final payment (or for such longer period as may be required pursuant to any federal, state, or other loan or grant condition). If the contract is supported to any extent with federal or state funds, the appropriate federal or state authorities may also examine these records. The Contractor must include the preceding language of this paragraph in all first tier subcontracts.

2. AMERICANS WITH DISABILITIES ACT

The Contractor agrees to comply with the nondiscrimination requirements of Titles II and III, and other provisions, of the Americans with Disabilities Act of 1990, Pub. Law 101-336, as amended, currently found at 42 U.S.C., § 12101, et seq.

3. APPLICABLE LAWS

This contract must be construed in accordance with the applicable laws, rules, and regulations of the State of Maryland (without regard to its conflicts of laws principles) and of Kent County. All Kent County laws, rules, and regulations are incorporated by reference into, and made a part of, this contract. In the case of any inconsistency between this contract and such laws, rules, and regulations, the laws, rules and regulations shall govern. The Contractor must, without additional cost to the County, pay any necessary fees and charges, obtain any necessary licenses and permits, and comply with applicable federal, state and local laws, codes and regulations. For purposes of litigation involving this contract, except for contract Disputes discussed in paragraph 8 below, exclusive venue and jurisdiction must be in the Maryland State courts located in Kent County, Maryland.

4. ASSIGNMENTS AND SUBCONTRACTS

The Contractor may not assign or transfer this contract, any interest herein or any claim hereunder, except as expressly authorized in writing by County's DIRECTOR OF

PURCHASING, or as otherwise specifically provided for in the contract. Unless performance is separately and expressly waived in writing by the DIRECTOR OF PURCHASING, an assignment does not release the Contractor from responsibility for performance of this contract. Unless otherwise provided in the contract, the Contractor may not contract with any other party for furnishing any of the materials or services herein contracted for without the written approval of the DIRECTOR OF PURCHASING.

## 5. CHANGES

The DIRECTOR OF PURCHASING may unilaterally change the work, materials and services to be performed, in accordance with County law, rule, or regulation. The change must be in writing and within the general scope of the contract. The contract will be modified to reflect any time or money adjustment the Contractor is entitled to receive. Any claim concerning an adjustment in time or money due to a change must be given in writing to the DIRECTOR OF PURCHASING or the designated contract administrator, within thirty (30) days from the date that the change was ordered, or the claim is waived. Any failure to agree upon a time or money adjustment must be resolved under the "Disputes" clause of this contract. The Contractor must proceed with the prosecution of the work as changed, even if there is an unresolved claim. No charge for any extra work, time or material will be allowed, except as provided in this section.

## 6. CONTRACT ADMINISTRATION

A. The contract administrator, subject to paragraph B below, is the Department representative designated by the DIRECTOR OF PURCHASING. The contract administrator is authorized to:

- (1) serve as liaison between the County and Contractor;
- (2) give direction to the Contractor to ensure satisfactory and complete performance;
- (3) monitor and inspect the Contractor's performance to ensure acceptable timeliness and quality;
- (4) serve as records custodian for this contract;
- (5) accept or reject the Contractor's performance;
- (6) furnish timely written notice of the Contractor's performance failures to the DIRECTOR OF PURCHASING;
- (7) prepare required reports;
- (8) approve or reject invoices for payment;
- (9) recommend contract modifications or terminations to the DIRECTOR OF PURCHASING; and

(10) issue notices to proceed.

B. The contract administrator is NOT authorized to make determinations (as opposed to recommendations) that alter, modify, terminate or cancel the contract, effect a procurement, interpret ambiguities in contract language, or waive the County's contractual rights.

#### 7. COST AND PRICING DATA

The Contractor guarantees that any cost and/or pricing data provided to the County will be accurate and complete. The Contractor grants the County access to all books, records, documents, and other supporting data in order to permit adequate evaluation of the Contractor's proposed price(s). The Contractor also agrees that the price to the County, including profit or fee, may, at the option of the County, be reduced to the extent that the price was based on inaccurate, incomplete, or non-current data supplied by the Contractor.

#### 8. DISPUTES DURING CONTRACT PERFORMANCE

Any dispute by Contractor arising during the performance of the contract, which dispute is not disposed of by mutual agreement, must be decided as provided hereunder. Pending final resolution of a dispute, the Contractor must proceed diligently with contract performance. Subject to the discretion of the DIRECTOR OF PURCHASING, the head of the County department, office, or agency ("Department Head") of the contract administrator is the designee of the DIRECTOR OF PURCHASING, for the purpose of dispute resolution. If the contract administrator is the Department Head, then the dispute shall be managed by the DIRECTOR OF PURCHASING. The Department Head may, with the Contractor's consent, delegate this responsibility to another person (other than the contract administrator). The Contractor waives any dispute or claim not made in writing and received by the Department Head within thirty (30) days of the occurrence giving rise to the dispute or claim. A dispute must be in writing, for specific relief, and any requested relief must be fully supported by affidavit and all relevant calculations, including cost and pricing information, records, and other information. The Contractor may, at the County's option, be made a party to any related dispute involving another Contractor.

#### 9. DOCUMENTS, MATERIALS AND DATA

All documents, materials or data developed as a result of this contract are the County's property, unless specifically provided for in the contract. The County has the right to use and reproduce any documents, materials, and data, including confidential information, used in the performance of, or developed as a result of, this contract. The County may use this information for its own purposes, including reporting to state and federal agencies. The Contractor warrants that it has title to or right of use of all documents, materials or data used or developed in connection with this contract. The Contractor must keep confidential all documents, materials, and data prepared or developed by the Contractor or supplied by the County.

#### 10. DURATION OF OBLIGATION

The Contractor agrees that all of Contractor's obligations and warranties which, directly or indirectly, are intended by their nature or by implication to survive performance of the contract

shall so survive the completion of performance, termination for cause, or the termination for convenience of the contract.

#### 11. ENTIRE AGREEMENT

There are no promises, terms, conditions, or obligations other than those contained in the contract, including any terms, conditions, documents or exhibits thereto, and these General Conditions. This contract supersedes all communications, representations, or agreements, either verbal or written, between the parties hereto, with the exception of express warranties given to induce the County to enter into the contract.

#### 12. ETHICS REQUIREMENTS/ POLITICAL CONTRIBUTIONS

The Contractor must comply with the ethics provisions contained in Chapter 29 – Ethics of the Code of Public local Laws of Kent County.

#### 13. GUARANTEE

A. Contractor guarantees for one year from acceptance, or for such other period of time as may have been expressly stated in the contract or the County's written solicitation, all goods, services, and construction offered, including those used in the course of providing the goods, services, and/or construction. This includes a guarantee that all products offered (or used in the installation of those products) carry a guarantee against any and all defects for such period.

The Contractor must correct any and all defects in material and/or workmanship which may appear during the guarantee period, or any defects that occur within one (1) year of acceptance even if discovered more than one (1) year after acceptance, by repairing (or replacing with new items or new materials, if necessary) any such defect at no cost to the County and to the County's satisfaction.

B. Should a manufacturer's or service provider's warranty or guarantee exceed the requirements stated above, that guarantee or warranty will be the primary one used in the case of defect. Copies of manufacturer's or service provider's warranties must be provided upon request.

C. All warranties and guarantees must be in effect from the date of acceptance by the County of the goods or services.

D. The Contractor guarantees that all work shall be accomplished in a workmanlike manner, and the Contractor must observe and comply with all federal, State, County and local laws, ordinances and regulations in providing the goods and performing the services listed.

E. Goods and materials provided under this contract must be of first quality, latest model, and of current manufacture, and must not be of such age or so deteriorated as to impair their usefulness or safety. Items that are used, rebuilt, or demonstrator models are unacceptable, unless specifically requested by the County in the in the contract documents.

***F. All goods shall be merchantable and fit for the particular purpose ordered or purchased, and the Contractor so represents and warrants.***

#### 14. HAZARDOUS AND TOXIC SUBSTANCES

Manufacturers and distributors are required by federal "Hazard Communication" provisions of 29 CFR 1910.1200, and the Maryland "Access to Information About Hazardous and Toxic Substances" Law, to label each hazardous material or chemical container, and to provide Material Safety Data Sheets to the purchaser. The Contractor must comply with these laws and must provide the County with copies of all relevant documents, including Material Safety Data Sheets, prior to performance of services or contemporaneous with delivery of goods.

#### 15. IMMIGRATION REFORM AND CONTROL ACT

The Contractor warrants that both the Contractor and any subcontractor do not and shall not hire, recruit or refer for a fee, for employment under this contract or any subcontract, an alien while knowing the alien is an unauthorized alien, or any individual without complying with the requirements of the federal Immigration and Nationality laws, including but not limited to any verification and record keeping requirements. The Contractor further assures the County that, in accordance with those laws, it does not and will not discriminate against an individual with respect to hiring, or recruitment or referral for a fee, of the individual for employment or the discharging of the individual from employment because of such individual's national origin or, in the case of a citizen or intending citizen, because of such individual's citizenship status.

#### 16. INCONSISTENT PROVISIONS

***Notwithstanding any provisions to the contrary in any contract terms or conditions supplied by the Contractor, the County's General Conditions supersede the Contractor's terms and conditions in the event of any inconsistency, unless specifically waived or amended by the County.***

***In the case of any conflicts or ambiguities among the contract documents, such matters shall be resolved in favor of the following priorities:***

- a. Any term or condition specifically provided for in a contract or exhibit to a contract, other than terms and conditions provided by the Contractor.***
- b. Terms and conditions specified by the County in any request for proposal, request for interest of qualifications, invitation to bid, or other document specifying with particularity the County's terms and conditions.***
- c. These General Conditions.***

***The lack of a specific provision in any of the documents referred to in items 16.a and 16.b above shall not operate to create an ambiguity with these General Conditions.***

#### 17. INDEMNIFICATION

The Contractor is responsible for any loss, personal injury, death and any other damage (including incidental and consequential) that may be done or suffered by reason of the Contractor's negligence or failure to perform any contractual obligations. The Contractor must

indemnify and save the County harmless from any loss, cost, damage and other expenses, including attorney's fees and litigation expenses, suffered or incurred due to the Contractor's negligence or failure to perform any of its contractual obligations. If requested by the County, the Contractor must defend the County in any action or suit brought against the County arising out of the Contractor's negligence, errors, acts or omissions under this contract. The negligence of any agent, subcontractor or employee of the Contractor is deemed to be the negligence of the Contractor. For the purposes of this paragraph, County includes its elected officials, officials, employees, agents, boards, and agencies.

#### 18. INDEPENDENT CONTRACTOR

The Contractor is an independent contractor. The Contractor and the Contractor's employees or agents are not agents or employees of the County. Neither these General Conditions nor the contract are intended to create, nor do they create any partnership, joint venture, agency or other relationship between the County and the Contractor.

#### 19. INFRINGEMENT

Contractor represents and warrants that there is no copyright or patent infringement with respect to any goods or materials furnished pursuant to the contract. The Contractor shall indemnify and hold harmless the County with respect to costs, expense, damages, and liability arising from or on account of any claim for infringement.

#### 20. INSPECTIONS

The County has the right to monitor, inspect and evaluate or test all supplies, goods, or services called for by the contract at all reasonable places (including the Contractor's place of business) and times (including the period of preparation or manufacture).

#### 21. INSURANCE

Prior to execution of the contract, the Contractor must obtain at its own cost and expense, and keep in force and effect during the term of this contract, including all extensions, the insurance specified in the contract, including any applicable table or attachment, with an insurance company licensed or qualified to do business in the State of Maryland and with an A. M. Best rating of not less than A-. The Contractor must submit a certificate of insurance prior to award of this contract and prior to any contract modification extending the term of the contract, as evidence of compliance with this provision. The County must be named as an additional insured on all liability policies. Forty-five (45) days written notice to the County of cancellation or material change in any of the policies is required. In no event may the insurance coverage be less than that shown on the applicable table, attachment, or contract provision for required insurance. Subject to applicable law, the DIRECTOR OF PURCHASING may waive or modify the requirements of this section 21 in whole or in part.

#### 22. NON-CONVICTION OF BRIBERY

The Contractor hereby declares and affirms that, to its best knowledge, none of its officers, directors, members, partners, or employees directly involved in obtaining contracts has been convicted of bribery, attempted bribery, or conspiracy to bribe under the laws of any state or



the federal government.

### 23. NONDISCRIMINATION IN EMPLOYMENT

The Contractor shall not discriminate in employment, or in the treatment of employees, or discriminate in any manner on the basis of race, color, gender, age, religion, creed, national origin, ancestry, marital status, disability, political affiliation, or lawful sexual orientation and shall follow and obey all applicable State, federal, and County laws and regulations regarding employment discrimination. The Contractor must bind its subcontractors to the provisions of this section.

### 24. PAYMENTS

This contract is subject to a non-appropriations clause as provided herein. No payment may be made or is due under this contract unless funds for the payment have been appropriated and encumbered by the County. Under no circumstances will the County pay the Contractor for legal fees. The Contractor must not proceed to perform any work (provide goods, services, or construction) prior to receiving written confirmation that the County has appropriated and encumbered funds for the work. If the Contractor fails to obtain this verification from the County prior to performing work, the County has no obligation to pay the Contractor for the work.

If this contract provides for an additional contract term, or for work in any period beyond the end of the County's fiscal year in which the contract is executed, continuation of this contract beyond the end of that fiscal year is contingent upon the subsequent appropriation of funds and encumbrance of those appropriated funds for payments under this contract. If funds are not appropriated and encumbered to support continued performance in a subsequent fiscal period, this contract terminates without further notice from, or cost to, the County. The Contractor acknowledges that the County Commissioners have no obligation to appropriate funds for this contract in subsequent fiscal years. Furthermore, the County has no obligation to encumber funds to this contract in subsequent fiscal years. Accordingly, for each subsequent contract term, the Contractor must take appropriate action to verify that such funds have been appropriated and encumbered. See Annotated Code of Maryland, Article 31, section 3.

### 25. PERSONAL PROPERTY

All furniture, office equipment, equipment, vehicles and other similar types of personal property specified in the contract and purchased with funds provided under the contract become the property of the County upon the termination or expiration of this contract, unless expressly stated otherwise.

### 26. TERMINATION FOR CAUSE

The County may terminate the contract in whole or in part, and from time to time, whenever the County determines that the Contractor is:

- a. defaulting in performance or is not complying with any provision of this contract;

- b. failing to make satisfactory progress in the prosecution of the contract; or
- c. endangering the performance of this contract.

Prior to a termination for cause, the County will send the Contractor written notice specifying the cause. The notice will give the Contractor ten (10) days from the date the notice is issued to cure the default or make progress satisfactory to the County in curing the default, unless a different time is given in the notice. If the County determines that default contributes to the curtailment of an essential service or poses an immediate threat to life, health, or property, the County may terminate the contract immediately upon issuing oral or written notice to the Contractor without any prior notice or opportunity to cure. In addition to any other remedies provided by law or the contract, the Contractor must compensate the County for additional costs that would be incurred by the County, whether the costs are actually incurred or not, to obtain substitute performance. A termination for cause shall be considered a termination for convenience as of the date the Contractor was advised of the termination for cause, if there was, in fact, no cause.

## 27. TERMINATION FOR CONVENIENCE

This contract may be terminated by the County, in whole or in part, upon written notice to the Contractor, when the County determines termination to be in the County's best interest. The termination is effective ten (10) days after the notice is issued, unless a different time is given in the notice. The County is liable only for payment for acceptable performance prior to the effective date of the termination, and for costs reasonably incurred as of the date of termination, which costs or items acquired by such costs cannot be economically retained by the Contractor for other or future use of the Contractor.

## 28. TIME

Time is of the essence in the performance by Contractor of the contract and of all ancillary matters arising therefrom.

## 29. TITLE

All goods delivered or provided to the County or otherwise pursuant to the contract, and the title thereto, shall be free any security interest, lien, contract restriction, or other form of encumbrance. Title shall pass to the County at the place of delivery to the County, subject to the County's right to inspect and accept or reject the goods.

## 30. WORK UNDER THE CONTRACT

Work may not commence under this contract until all conditions for commencement are met, including execution of the contract by both parties, compliance with insurance requirements, and issuance of any required notice to proceed.

## **ATTACHMENT 1**



[illegible]

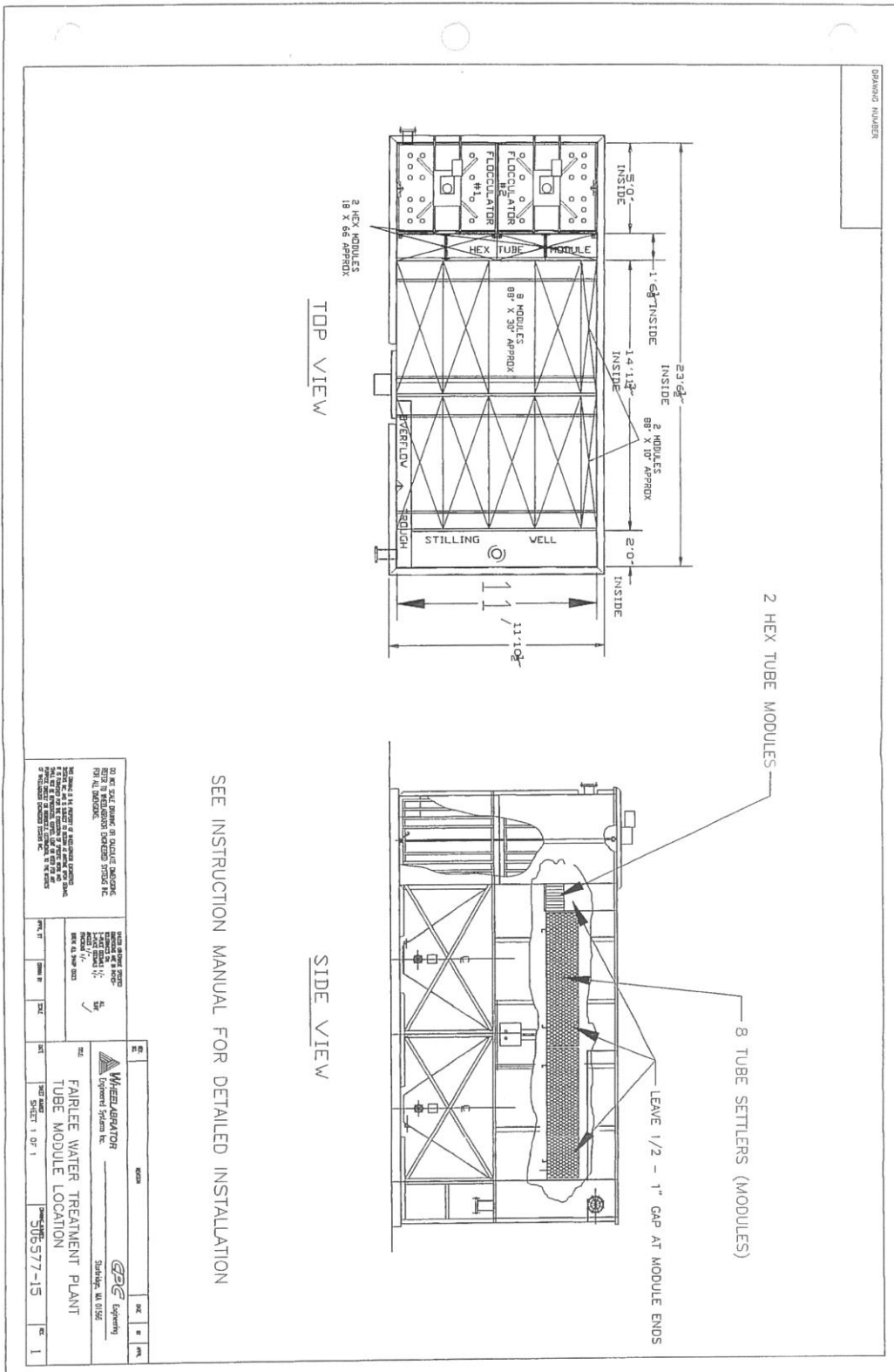
## FTC-150H FIELD ASSEMBLY :

Technical drawing of a building section showing a cross-section of a structure. The drawing includes the following dimensions and labels:

- Vertical Dimensions (Left Side):**
  - 12'0" (Total height)
  - 1'0" (Top section height)
  - 12'0" (Main section height)
  - 12'0" (Bottom section height)
- Horizontal Dimensions (Top):**
  - 1'5" (Overhang E REF.)
  - 1'3" (Overhang F REF.)
  - 9' (Main section width)
  - 1'1" (Inside width)
  - 8'6" (Inside width)
  - 1' (Bottom section width)
- Horizontal Dimensions (Bottom):**
  - 12'0" (Total width)
  - 1'0" (Top section width)
  - 1'6" (Main section width)
  - 2'9" (Main section width)
  - 7" TYP (Typical width)
  - 3" (Bottom section width)
- Labels:**
  - OVERHANG E REF.
  - OVERHANG F REF.
  - INSIDE
  - INSIDE
  - REF.

- IN THE STATE DEPT. OF CULTURE, RECREATION,  
PARKS AND RECREATION, DEPARTMENT OF THE STATE,  
FBI AT WASHINGTON

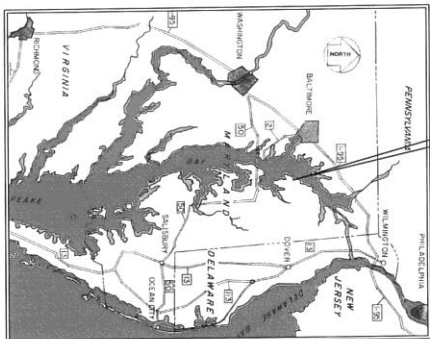
 <b>WHEELABRATOR</b> Systems Division		 <b>EPC Systems</b> Strategic Management	
1500 Field Assembly Fairlee Water Treatment Plant Fairlee, VT 05743		1500 Field Assembly Fairlee, VT 05743	
DATE	REV	BY	CHK
08-12-92	1	RMH	A



## **ATTACHMENT 2**

FAIRLEE, MARYLAND  
GMB FILE NO. 190065

FAIRLEE, MD



**VICINITY MAP**  
SCALE: 1" = 20 MILES



FAIRLEE WTP

## LIST OF DRAWINGS

- | SHEET NO. | TITLE                                  |
|-----------|--|
| 01.0      | COVER SHEET                            |
| 01.2      | SITE PLAN                              |
| 02.0      | LOCATION PLAN                          |
| 01.1      | PROPOSED FLOOR PLAN                    |
| 01.2      | DETAILS                                |
| 02.2      | SECTION                                |
| 02.1      | PROPOSED CLIMATE/LOCATION PLAN SECTION |
| 03.0      | STRUCTURAL                             |
| 01.1      | PROPOSED FLOOR FRAMING/DOORS           |
| 01.2      | STRUCTURAL DETAILS & DETAILS           |
| 01.0      | ELECTRICAL                             |
| 01.0      | ELECTRICAL LOAD PLAN                   |
| 01.1      | ELECTRICAL CHANNELS                    |

**GMB**  
GEORGE, MILES & BUHR, LLC  
ARCHITECTS & ENGINEERS

SALES/RENTAL • 800-707-6270 • 800-707-6270  
206 WEST MAIN STREET  
ALSBURY, MARYLAND 21801  
410-762-3115 Fax 410-848-8760  
www.gm3rd.com

OCTOBER 2019

PLATE APPROVED BY THE SOFT COUNTY DEPARTMENT OF PUBLIC WORKS

*Michael J. White*  
APPROVED BY

*10/24/07*  
DATE

[illegible]

**GEORGE, MILES & BUHR, LLC**  
ARCHITECTS & ENGINEERS  
SALISBURY • BALTIMORE • SEAFORD  
206 WEST MAIN STREET  
SALISBURY, MARYLAND 21801  
410-742-3115, 742-410-5448-5790  
[www.gmbnet.com](http://www.gmbnet.com)

# FAIRLEE WTP CLARIFLOCCULATOR REPLACEMENT

FAIRLEE, MARYLAND



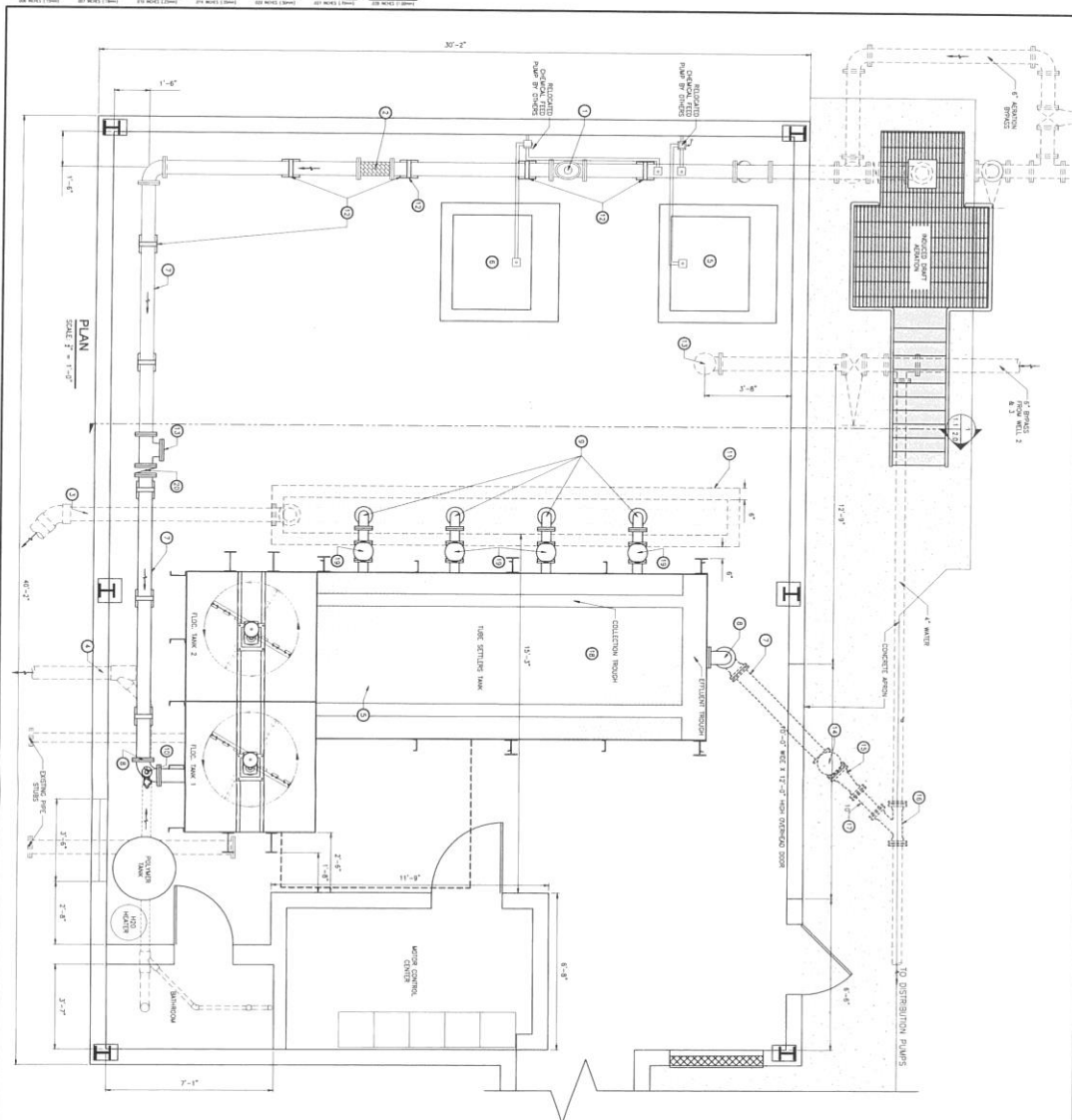
COVER SHEET

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① Existing 6" flow with

- [illegible]

## GENERAL NOTES

- [illegible]

[illegible]

FAIRLEE WTP  
CLARIFLOCCULATOR  
REPLACEMENT

FAIRLEE, MARYLAND

PROPOSED FLOOR  
PLAN

NAME	AS NOTED	Sheet no.
DESIGN BY	MMH	
DRAWN BY	TPV	
CHECKED BY	ZCH	
DATE	2008	

Q1.1



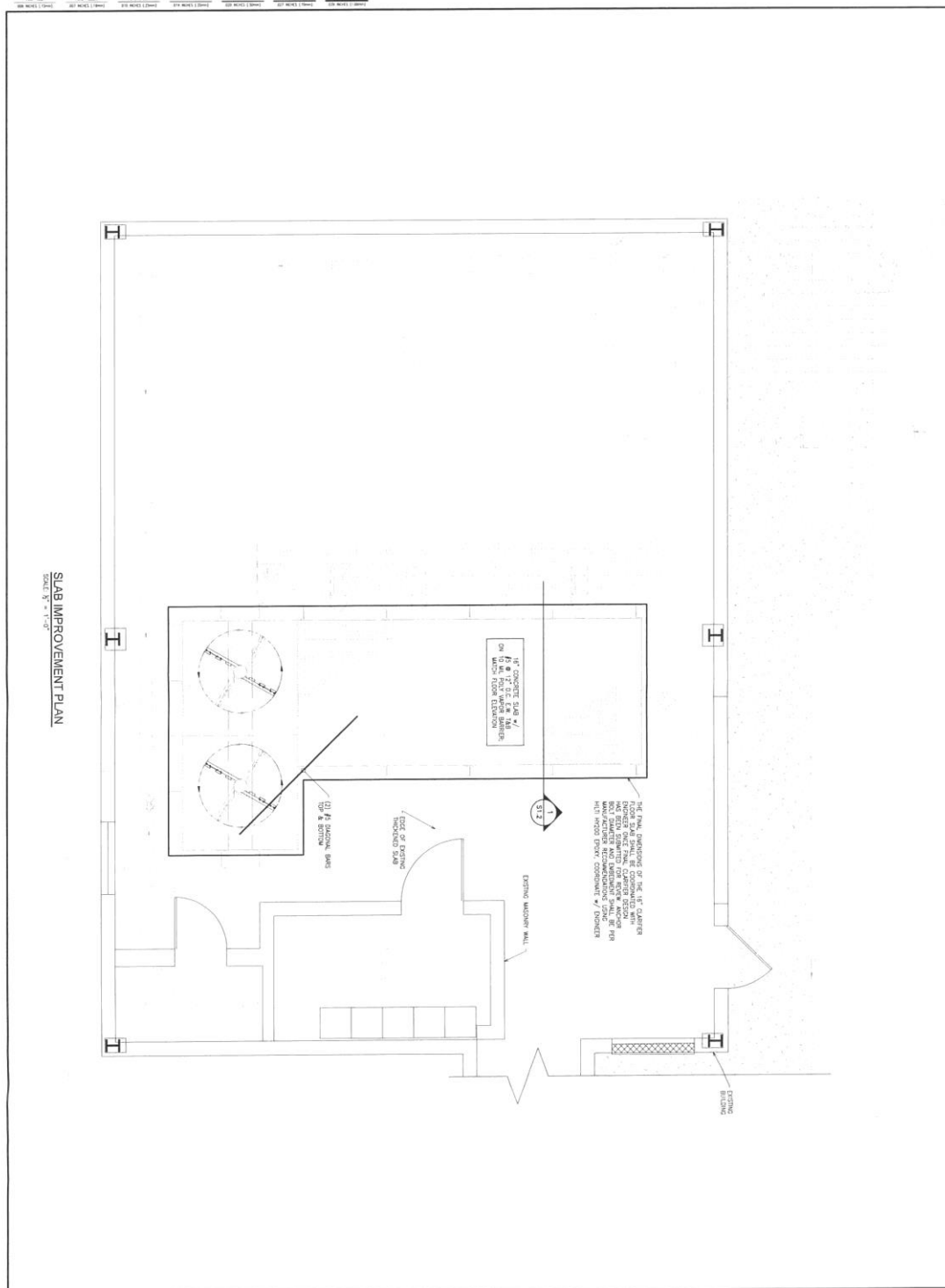


Case	AS NOTED	Speltz no.
ELSON BY	WPH	
Wynn BY	WPH	
WHEELER BY	JCH	
MR TIL	180045	
DATE	DEC 2018	

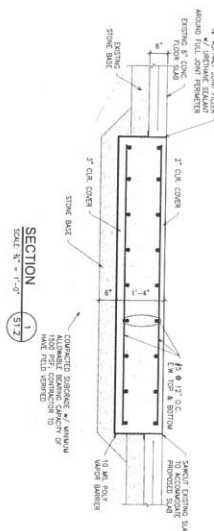
Q2.0

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DATE: 11/11/2015 TIME: 10:00 AM DRAWING NO.: 15-00000 SHEET NO.: 1		PROJECT NO.: 15-00000 PROJECT NAME: FAIRLEE WTP PROJECT LOCATION: FAIRLEE, MARYLAND		PROPOSED FLOOD IMPROVEMENTS		SHEET NO.: 1 OF 1		SCALE: 1" = 1'		TOTAL SHEETS: 1	
		FAIRLEE WTP CLARIFLOCULATOR REPLACEMENT				GEORGE, MILES & BUHR, LLC ARCHITECTS & ENGINEERS 300 WEST MAIN STREET SALLISBURY, MARYLAND 21801 410-341-1111 FAX 410-340-5760 www.gmbllc.com		NO. _____ REVISIONS _____ DATE _____		NO. _____ REVISIONS _____ DATE _____	



SECTION 1  
SCALE 3/8" = 1'-0"

BAR SIZE	CONDITION CASES			
	TOP BARS	OTHER BARS		
	CASE 1	CASE 2	CASE 1	CASE 2
#3	24"	36"	19"	28"
#4	32"	48"	25"	37"
#5	40"	60"	31"	46"
#6	48"	72"	37"	56"
#7	70"	105"	54"	81"
#8	80"	120"	62"	93"
#9	90"	135"	69"	104"
#10	100"	150"	77"	116"

CLASS "B" LAP SPLICES ( $f_c=4000$  psi)

TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 8 INCHES OF CONCRETE CAST BELOW THE SPLICE.

CASE 1 - OTHER CASES

CASE 2 - COLUMNS & BEAMS

COVER > BAR DIA OR  
CENTER TO CENTER SPACING < 2 BAR DIA  
ALL OTHER ALTERNATES

COVER > BAR DIA OR  
CENTER TO CENTER SPACING < 2 BAR DIA

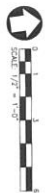
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FAIRLEE WTP  
CLARIFLOCCULATOR  
REPLACEMENT

FAIRLEE, MARYLAND

STRUCTURAL  
NOTES & DETAILS

WAL	AS NOTED	5
OFFICE OF	ASMA	
CHIEF OF	TRV	
CHIEF OF	ASMA	



ELECTRICAL DEMO PLAN	
TOTAL AS NOTED	SHEET NO.
Notes per Model	
Notes per View	
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