

# ADDENDUM No. 1

RFP No. 22-43

## WTP Sodium Hypochlorite Tank Replacement

**Due: June 2, 2022 at 2:00 P.M. (local time)**

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes six (6) pages and one attachment – Pre-bid Meeting Sign-in Sheet, one (1) page.**

The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

**Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.**

### I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

| Section/Page(s)   | Change  |
|---|---|
| Attachment A (Sample Standard Contract)<br>Article III – Terms of Completion, (C) | Insert “\$500” at the liquidated damages amount.  |
| Section 15 10 50 – Basic Piping Materials & Methods                               | Paragraph 2.03 Joining Materials. Add the following sub-paragraph:<br><br>D. Sealant for Threaded Joints: Threaded joints shall be coated with sealant prior to assembly with Fluoramics, Inc. Lox-8, or equal. |
| Section 40 24 14 – Liquid Sodium Hypochlorite Piping Systems                      | Paragraph 2.04.A.1.3. Clarification:  |

Actuator shall be capable of remote control and have local manual override. Local remote-off-local switch may be provided but is not required.

Section 43 41 45 – Chemical Storage Tanks

Paragraph 1.02.A. Reference Standards. Add the following item:

5. ASME RTP-1.

Paragraph 1.04 Quality Assurance. Add the following sub-paragraphs:

B. Tanks shall be designed and manufactured to ASME RTP-1 standard for Reinforced Thermoset Plastic Corrosion Resistant Equipment. Design drawings and calculations shall be sealed by a Registered Professional Engineer licensed in Michigan.

C. Fabricator's quality Assurance Supervisor: Minimum of 3 years' experience in the fabrication of fiberglass structures.

D. The tanks shall be furnished, coordinated, and tested by one supplier. The system shall be completely shop-assembled, and shop-tested prior to shipment.

Paragraph 2.01.A.1. Replace with the following:

1. Fiberglass-Reinforced Plastic Tanks ("or-equal")

Paragraph 2.02.A.1. Delete the first sentence and replace with the following:

Tanks shall be fiberglass-reinforced plastic (FRP) of a NSF 61 brominated vinylester resin system, suitable for 15 percent Sodium Hypochlorite solution.

Paragraph 2.03.C. Replace Items 2. and 3. With the following:

Not used.

Paragraph 2.03.C. Add the following:

7. Ladder and guard railing design shall comply with OSHA requirements.

Replacement Note 7.

Change the requirement for 316 stainless steel or FRP to "316L stainless steel or FRP".

Drawing 1 of 3

This change shall apply to all specification requirements for 316 stainless steel. All stainless steel provided in the project shall be 316L.

Replacement Note 4. Add the following:

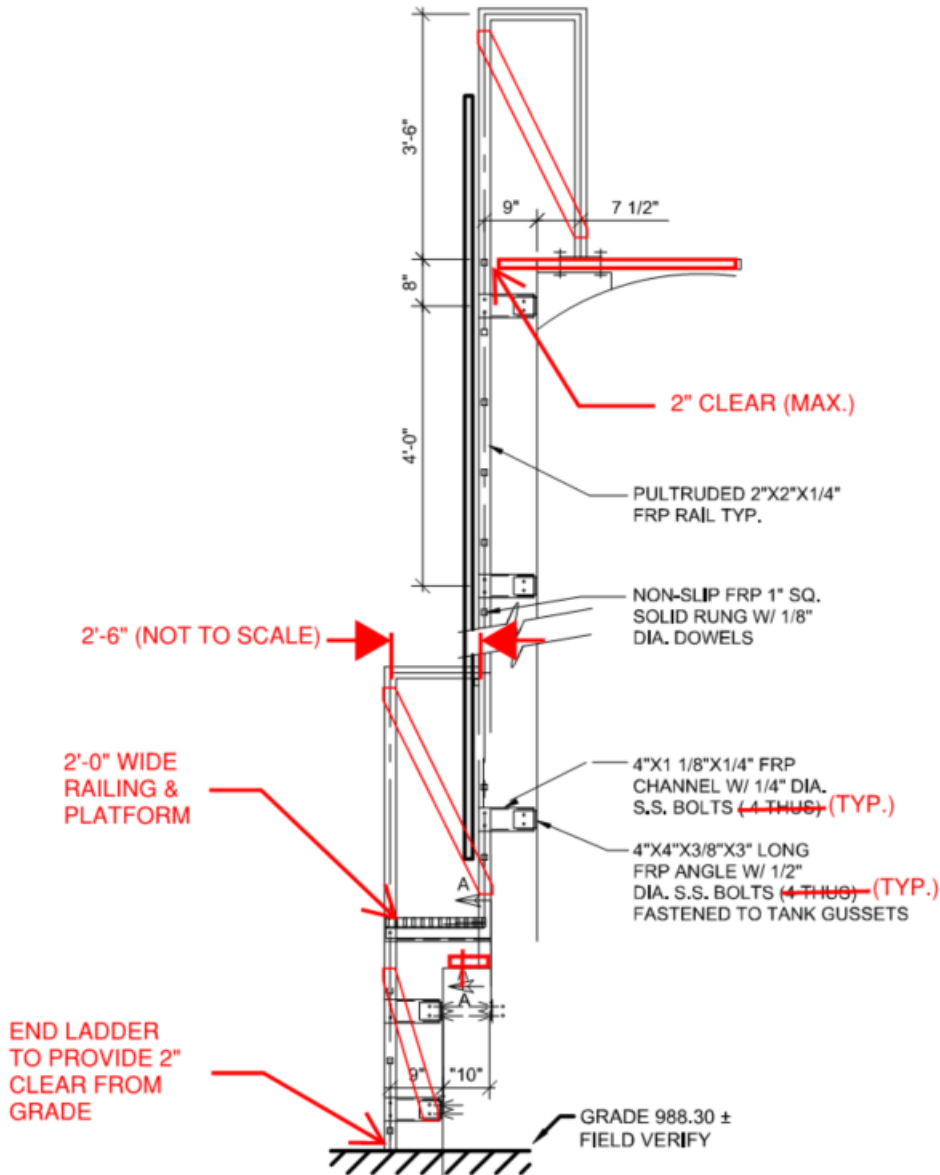
Sump pump shall be 120V Vanton Model # SG-PY300JA, or equal. Field verify sump dimensions prior to submitting pump for review. Contractor shall not operate sump pump for the work other than operation required for proof of performance testing. Field coordinate float elevations with Engineer.

Drawing 2 of 3

General Note 4.

Change the requirement for 316 stainless steel or FRP to "316L stainless steel or FRP". This change shall apply to all specification requirements for 316 stainless steel. All stainless steel provided in the project shall be 316L.

FRP Tank Access Ladder Detail. Replace ladder section with the attached detail.



## FRP TANK ACCESS LADDER DETAIL

SCALE: ~~1/2"=1'-0"~~  
(NOT TO SCALE)

## II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here. These questions and answers are provided for clarity and do not modify the bidding documents.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.

- Q1. Can we get the preproposal meeting sign-in sheet?  
A1. Attached.
- Q2. Consider changing the specs to require RTP-1 certification and removing the D3299 and D3486 designation.  
A2. Refer to Section I. of Addendum-1 for changes to Section 43 41 45.
- Q3. Drawings note to provide a Vanton SGK pump. What are the flow characteristics as there are several models under this acronym?  
A3. Refer to Section I. Addendum-1 for changes to Drawing 1.
- Q4. Will the Vanton pump fit in the existing sump and is it deep enough for the cover to rest on the concrete?  
A4. Contractor's bid shall be based on the proposed pump. Refer to Section I. Addendum-1 for changes to Drawing 1.
- Q5. What is meant by the sump heater where the Vanton pump is installed? Is this the heat tracing system?  
A5. Yes.
- Q6. What are the elevations for sump pump float on/off and for high alarm?  
A6. Refer to Section I. Addendum-1 for changes to Drawing 1.
- Q7. For threaded CPVC piping, is there a special kind of tape required that is resistant to sodium hypochlorite?  
A7. Refer to Section I. of Addendum-1 for changes to Section 15 10 50.
- Q8. On the motor actuated diaphragm valves, the spec notes Hayward or GF as the manufacturer. Do these manufacturers have actuators that meet the spec in section 40.24.14-2 2.04.a through j? Please provide a specific model that can be used for this application.  
A8. Bidder shall verify the features of valve actuators offered by the valve supplier are in compliance with the specifications or find an alternate actuator supplier which meets the specified requirements. Refer to Section I. of Addendum-1 for clarification to Section 40 24 14.
- Q9. The 24" manway for one tank is located under the platform, but the other tank has it outside the platform. Is this intentional?  
A9. Contractor and tank supplier shall coordinate the layout of the platform to provide access to the manway, level instrument, and vent, prior to submitting the tank.
- Q10. Guardrail material on the containment tank wall is aluminum. What material is the guardrail around the top of the chemical storage tanks?  
A10. Tank railing is specified as FRP.
- Q11. The concrete equipment base detail on Sheet 3 is more for equipment such as a pump (shows a baseplate, anchors, grout, etc.). Can this be updated to show what is actually required for the tank concrete bases?  
A11. The base shall be constructed as shown on the detail, with the exception that the tank gussets do not contact the entire surface of the pad as shown. Grout may not be required if the concrete surface is finished within the tank manufacturer's tolerances.
- Q12. Are existing or new AST's to be permitted by the State of Michigan LARA Storage Tank Division?  
A12. No.

- Q13. The work sequence calls for cleaning of the new tanks by the contractor prior to commissioning, will the existing tanks and piping be cleaned by the owner prior to demolition of each tank?
- A13. The Work Sequence in the Summary of Work requires the Contractor to transfer chemical from the tank to be demolished to the other tank. Owner will provide an on-site receptacle to accept and dispose of the final 1-inch of liquid depth remaining after transfer of chemical. Contractor shall be responsible for emptying the contents of tanks and piping to be removed and cleaning to the extent required to meet regulatory and landfill acceptance criteria.
- Q14. Can the Engineer please provide a tank cleaning specification for the new tanks? If the existing tanks are to be cleaned by the contractor please provide a cleaning spec for the existing ASTs?
- A14. New tanks are to be cleaned prior to start-up in accordance with listed standards and manufacturer's installation and commissioning requirements. For cleaning of existing tanks, refer to response to previous question.
- Q15. Are the tanks to be disposed of by the contractor, or are they being disposed of by the owner? Has the owner identified a suitable disposal site or landfill that will take the decommissioned tanks and piping?
- A15. Tanks are to be disposed of by Contractor at a landfill permitted to accept the material to be disposed, including chemical residue. Contractor is responsible for cleaning equipment to be demolished to the extent required to meet regulatory and landfill acceptance criteria.
- Q16. Do the new tanks require any field applied coatings or are all coatings factory applied?
- A16. Field coatings are not required on the tanks unless touchup of damaged factory coatings is required. Field coating is required on piping materials, as specified.
- Q17. Will the owner be supplying all hypochlorite chemical needed by the owner for operations during the contract period?
- Q18. Owner will supply sodium hypochlorite required for continuous treatment of drinking water. Contractor may be required to supply temporary storage tanks and/or transfer pumps and related piping, if needed to meet Contractor's proposed schedule and sequencing plan.

