

**TOWN OF TRUMBULL, WATER POLLUTION CONTROL AUTHORITY**  
**RFP # 6297**  
**TRUMBULL BEARDSLEY PUMP STATION COMPREHENSIVE UPGRADE**  
**ADDENDUM NO. 3**

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**A. GENERAL**

1. Inclusion of this Addendum must be acknowledged by inserting its number on the appropriate page(s) of the Bid Forms. Failure to acknowledge any and all addenda in the above specified bid may be cause for rejection by the Town on the grounds that it is non-responsive.

**The following changes are hereby made part of and must be attached to the Project Manual and Contract Drawings:**

**B. CHANGES TO PROJECT MANUAL**

1. Section 01 14 16, Coordination with Owner's Operations. Add the following language to Paragraph 1.3.B.5.a., "Contractor shall decant liquid from wet well chambers to the extent possible and as verified to be acceptable to the Engineer. Remaining volume to be removed and disposed of by Contractor shall be assumed to be 3,000 gallons."
2. Section Section 23 21 13, Hydronic Piping Systems.
  - a. Paragraph 3.7.A.1. delete the words, "program for a period of one year from the date of initial treatment" and replace with the words, "report to verify final water system chemistry".
  - b. Paragraph 3.7.A.2. delete the words, "provide monthly visits to the facilities" and replace with the words, "conduct a site visit".
3. Section 40 60 05, Instrumentation and Control for Process Systems. Insert the following new Paragraphs before Paragraph 2.20:

**2.18 INTRINSICALLY SAFE RELAY**

A. General: Intrinsically Safe Relay shall electrically isolate circuits extending into Class I, Division I (Group A, B, C and D) hazardous areas from circuits in non-rated areas. Failures of the circuit within the hazardous area shall be indicated by illuminating a light emitting diode (LED) located on the face of the relay.

B. Required Features:

1. Contact design: one Normally Open (NO) and one Normally Close (NC), isolated contacts.
2. Contacts Rating: 8A at 110 VAC resistive, 5A at 30VDC resistive
3. Contact Cycle Rating:

- a. Mechanical 10,000,000 operations.
- b. Electrical: 100,000 operations minimum at rated load.
- 4. Electronic Module: Solid state components epoxy encapsulated in nylon shell.
- 5. Supply Voltage: 115 VAC 50/60Hz.
- 6. Supply Current: Relays energized, 1.7 VA.
- 7. Sensitivity: 0-470,000 ohms Maximum specific resistance.
- 8. Operation Temperature: -40°F to 150°F.
- 9. Time delay: 0.5 seconds rising level, 3 seconds lowering level.
- 10. DIN Rail mounted.

C. Products and Manufacturers: Provide one of the following:

- 1. Phoenix Contact.
- 2. Gems Sensors,
- 3. Or equal.

2.19 NOT USED

- 4. Section 43 21 39.13, Submersible End-Suction Pumps, Paragraphs 2.2.A. and 2.2.B. Insert the words “No Substitutions”.

**C. CHANGES TO CONTRACT DRAWINGS**

- 1. Replace “PUMP AROUND CONNECTION DETAIL” with new version included as an Attachment to this Addendum.

**D. ATTACHMENTS:**

- A. Pump Around Connection Detail (1 Page).

**E. REQUESTS FOR INFORMATION/ CLARIFICATION:**

- 1. Question: On drawing G-0, we have the following questions on the existing 20” diameter force main pipe:
  - a. How long is the existing force main pipe?
  - b. At what elevation does the end of the pipe discharge?
  - c. What is the material of the existing force main?
  - d. Are there pipe joint restraints on the existing force main?

Response: Force main drawings have been posted for reference. The force main is approximately 9,400 linear feet and constructed of ductile iron. Note that record drawings are unavailable for approximately 2,200 feet of the force main, which includes the area downstream of the Seltsam Rd air release manhole.

- 2. Question: On drawing C-7, we have the following questions on the pump around connection detail:

- a. Will the tees and elbows require concrete thrust blocks?
- b. What type of end connection is at the end of the 18" pipe?
- c. Is there any support required for the new manhole cover and frame?

Response: Refer to revised Detail provided as an attachment to this Addendum.

3. Question: In specification sections 02 82 32, 02 82 33, and 02085 - The specification note for the contractor to plan and approvals, notifications etc. for disposal of PCB, lead and asbestos. Since the amount of hazardous material is not defined, it is very difficult for the contractor to put a cost for the work. Can an allowance amount be added to the bid form for testing and removal of hazardous material?

Response: This information is contained in the hazardous materials report which has been provided for reference and Contractor review. No Allowance Item will be added to the Contract for this work.

4. Question: Regarding Section 23 21 13, Paragraph 3.7.A requirement for monthly visits for water treatment, for this specific project, size and scope, we propose one (1) follow up site visit to provide a report on final water chemistries in the system.

Response: This is acceptable. Refer to Specification revision noted above.

5. Question: Please see attached wall bracket spec and advise if this will be acceptable for the ACCU Wall Support in lieu of detail on drawing H-8.

Response: Reference Section 01 62 00, Product Options. Requests for "or-equal" equipment supports will be considered but must be reviewed and approved by Engineer.

6. Question: What is the project budget?

Response: As proposed in the Town's Five-Year Capital Improvement Plan CY 2018-2022, the project budget is \$5,630,000 which includes Engineering fees for Construction Administration.

7. Question: Will building permit fees be waived?

Response: No.

8. Question: Has there been an extensive hazardous materials survey?

Response: Yes. The Hazardous Materials Report has been posted on the Town's website for bidder's reference.

9. Question: Is the GC responsible to remove all noted hazardous materials or only those impacted by new work?

Response: Only items impacted by new work to be addressed by Contractor.

10. Question: In reference to sections 02 82 32 and 02 83 19 will the abatement be handled as an allowance since the contract doesn't indicate what materials are hazardous?

Response: Refer to Hazardous Materials Report which has been posted for Contractor reference and review. No Allowance Item will be added to the Contract to cover removal of Hazardous Materials.

11. Question: Who is responsible for independent testing fees?

Response: Contractor is responsible for testing fees per Section 01 45 29.

12. Question: In reference to Article 5 Basis of Bid, where do we carry the costs for bypass pumping for the bid item 2 concrete repair work?

Response: Costs for bypass pumping to be included in Item 1 – General Construction Lump Sum.

13. Question: When was the wetwell last cleaned? How much solids should we assume present? Can we dispose of the solids at the treatment plant free of charge?

Response: Refer to Section 01 14 16, Coordination with Owner's Operations, as amended by this Addendum. Disposal of solids at a properly licensed facility is the responsibility of the Contractor. The Town does not own a Treatment Plant for Disposal.

14. Question: In reference to section 01 14 16 3.2 A. 2. b. please confirm that the bypass system has to be designed to convey 6,500 gpm?

Response: Confirmed.

15. Question: Please confirm a temporary flow meter is required for bypass pumping?

Response: Confirmed. Reference Section 01 51 41, Paragraph 2.1.B.

16. Question: How long is the FM before it turns to gravity?

Response: Approximate length of Force main before gravity portion is 7,600 feet. Force main drawings have been posted for reference.

17. Question: Is there a profile of the existing FM available?

Response: Yes. Force main drawings have been posted for reference.

18. Question: In reference to section 01 22 13 1.4 D. Please clarify if the GC is responsible for carrying the type-4 concrete repair under this bid item?

Response: Confirmed. Type 4 Exposed Aggregate Repair and Epoxy Coating costs to be included in Bid Alternate Item A.

19. Question: In reference to section 01 32 33 are contractor taken photographs acceptable?

Response: Reference Section 1.2.A. for Qualifications requirements.

20. Question: Are there any drawings available showing the actual equipment in detail, that is being removed?

Response: Drawings of existing equipment are not available.

21. Question: Can you please confirm if the existing suction piping between the wetwell and drywell is being demolished and replaced? If yes, are we re-using the existing hole or plugging the existing and coring a new hole? Is there a repair detail for this?

Response: Reference Sheet G-4, existing suction piping between the wetwell and drywell to be demolished. New penetrations are required. Reference "Typical Opening Reinforcing Details in Existing Walls and Slabs" Detail on Sheet S-7 of the Contract Drawings.

22. Question: In reference to section 01 45 33 who is responsible for coordinating and paying for the special inspections?

Response: In accordance with this Section, Contractor is responsible for services of testing agencies to facilitate the Special Inspections. Services of the Coordinating Special Inspector as defined in this Section to be borne by the Owner.

23. Question: Can the GC use electric primary bypass pumps? If yes, who is responsible for paying for electrical usage fees?

Response: Temporary Pumping shall meet all requirements of Section 01 51 41. Use of electric primary pump will be considered during Construction; however, all costs associated with energy use, auxiliary equipment and engineering required to be provided by Contractor.

24. Question: In reference to section 09 21 16 please confirm a gypsum board mock-up is required for this project?

Response: Gypsum board mock-ups are required, and approved mock-ups may be incorporated into the Work as noted in the Specification.

25. Question: How many gallons of fuel are in the fuel tank to be demolished?

Response: Contractor is responsible to pump and dispose of fuel. For purpose of bidding, assume tank is 80% full.

26. Question: Are there any soil borings available for this project?

Response: No.

27. Question: Can the power lines over the proposed "pump around" connection be moved or temporarily taken down? What do they power?

Response: These lines serve other customers and are not related to the Beardsley Pump Station. Temporary relocation of existing power lines will not be permitted without approval from the Utility Company (UI), and costs for this work and coordination to be borne by the Contractor.

28. Question: Section 01 32 33 Photographic Documentation, 1.4 A 1 calls for 3 sets of 5x7 inch prints. Everyone seems to be deleting the print requirement as unnecessary and wasteful as the prints just get tossed. Each file is so much sharper and larger on screen, why still include prints?

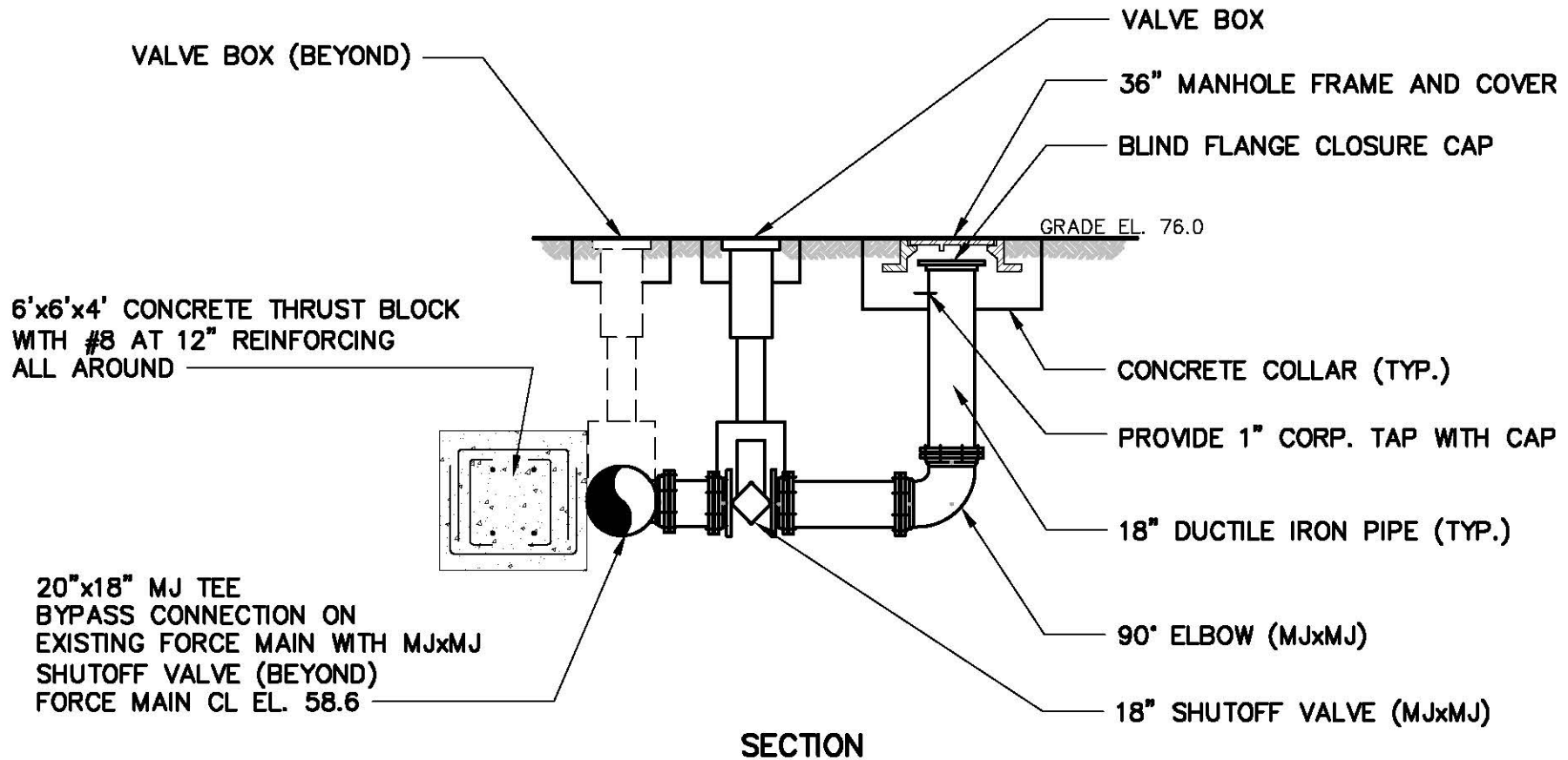
Response: Prints will be required as noted in the Specification.

29. Question: Per spec section 40 05 53 for the Swing check valve can you find out if they will take a "or equal".

Response: Reference Section 01 62 00, Product Options. Requests for "or-equal" Swing check valves will be considered but must be reviewed and approved by Engineer.

**END OF ADDENDUM NO. 3**


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**PUMP AROUND CONNECTION DETAIL**  
 NOT TO SCALE

- NOTES:
1. ALL JOINTS SHALL BE RESTRAINED.
  2. PROVIDE RESTRAINED JOINT GLAND (MEGALUG OR EQUAL) FOR ALL MJ JOINTS.
  3. ALL NEW 20" AND 18" DUCTILE IRON PIPE SHALL BE CLASS 56.
  4. PROVIDE VALVE EXTENSION STEMS FOR OPERATING NUTS ON VALVES.

REF:

 Design & Consultancy for natural and built assets	TOWN OF TRUMBULL, CT  <b>BEARDSLEY PUMP STATION          COMPREHENSIVE UPGRADE</b>	ADDENDUM NO. 3 <b>PUMP AROUND CONNECTION DETAIL</b>  SCALE: NTS	JULY 2018  <b>SK - 1</b>