

**Borough of Metuchen**  
Middlesex County, New Jersey

Addendum No. 1  
June 10, 2022  
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**Contract Documents  
and Specifications for the**

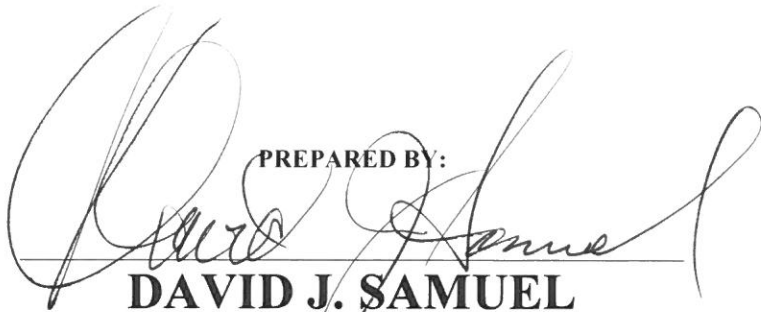
**JERSEY AVENUE PUMP STATION  
REPLACEMENT**

**ADDENDUM No. 1**  
**JUNE 10, 2022**

**MAYOR JONATHAN BUSCH**  
**BOROUGH COUNCIL**

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CONSULTING AND MUNICIPAL ENGINEERS

**BOROUGH OF METUCHEN**

**ADDENDUM NO. 1**

**for**

**JERSEY AVENUE PUMP STATION REPLACEMENT**

**TO ALL CONCERNED:**

Bidders of the above captioned project are hereby notified of the following amendments to the Specifications, Dated November 2020, Revised January 2021, and Revised January 2022; and the Plans, Dated October 2020, Revised December 2020, and Revised January 2022, which are hereby made a part of the Contract Documents.

**Concerning the Specifications:**

1. **PAGE A-1 – ADVERTISEMENT AND NOTICE TO BIDDERS**

Add the following sentence to the end of the Seventh paragraph:

“Each Bidder shall submit one (1) original of the Bidder’s Proposal and one (1) paper copy of the Bidder’s Proposal, including all attachments.”

2. **PAGE 16750-3, SECTION 2.03 CONSTRUCTION – GENERAL PURPOSE TRANSFORMERS**

In paragraph A. Insulation Systems, Section 1, delete subsection a. in its entirety and replace with the following:

“a. 5 – 45 kVA minimum of 200 degrees C insulation system with 150 degrees C rise.”

3. **PAGE 16750-5, SECTION 2.06 ENCLOSURE**

In paragraph A., replace the first sentence “The enclosure shall be made of heavy-gauge Grade 316 stainless steel.” with “The enclosure shall be made of heavy-gauge steel painted with the manufacturer’s standard coating.”

4. **PAGE 16750-6, SECTION 2.08 OPTIONAL ACCESSORIES**

Add the following at the end of the first sentences of each paragraph labeled C., D., and E.:

“where specified on the Contract Drawings.”

5. **PAGE 16801-7, SECTION 2.2 GENERAL TRANSFER-SWITCH PRODUCT REQUIREMENTS**

Add the following item after paragraph L.3.a.:

“b. Unless otherwise specified on the Contract Drawings or in the Specifications, transfer switch enclosures shall be NEMA 12 rated.”

**Concerning the Drawings:**

1. DRAWING SHEET 10 OF 26, PROPOSED PLAN AND SECTIONS

On the WETWELL-SECTION, replace the note “90° DIP ELBOW” at the 1 ½” SUMP PUMP DISCHARGE and 2” ARV DISCHARGE with “90° PVC ELBOW”.

2. DRAWING SHEET 20 OF 26, ONE-LINE DIAGRAM, PANELBOARD SCHEDULES AND CONTROL & ALARM DIAGRAM

On the JERSEY AVE PUMP STATION REPLACEMENT – ONE-LINE DIAGRAM, replace the note for the Automatic Transfer Switch “AUTOMATIC TRANSFER SWITCH (ATS) 800A, 3 POLE, 480VAC” with “SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH (ATS) 800A, 3 POLE, 480VAC”.

**Questions - The following clarifications are issued in response to inquiries from prospective bidders:**

1. Question: Please clarify bid item 30. Confirm 1” tap on existing 30” water main is by others.

Answer: Bid Item # 30 is for “Disposal of Contaminated (non-hazardous) Soil (Only if and where ordered)” as described. The scope of work for furnishing the water service is included in Bid Item # 57. A 1” tap exists on the 30” diameter watermain adjacent to the project site.

2. Question: I noticed on page 10 of the plans the 1.5” line from sump pump and 2” line from arv discharge states to be DIP; as your aware ductile iron pipe is not made that small. Please advise.

Answer: See Concerning the Drawings above.

3. Question: Please confirm that no railroad insurance will be necessary and that the railroad tracks located near the project are non-operational.

Answer: The work is occurring on Borough of Metuchen property.

4. Question: On Sheet 6 of 26 where the proposed force main is to connect to the existing force main there appears to be a conflict with the existing security fence on the property. Please provide details or specifications on how this security fence is to be replaced and under which pay item will the contractor be compensated for this work?

Answer: The Contractor may remove and re-install the existing security fence and gate as required to accommodate the installation of the force main. The fence, gate and other site features disturbed by the work shall be restored to preconstruction conditions. Provide temporary security fence and access if the existing fence is disturbed. The Contractor shall include all costs associated with performing the connection in Bid Item No. 27. “Connection to Existing Force Main”

5. Question: Please provide any as-builts for the existing fuel pump station located on the property of the existing Metuchen jersey avenue pump station.

Answer: The Owner has indicated that information is not available for the existing fueling station adjacent to the work area.

6. Question: Just a follow up on the fan schedule F1-F2 for the wet well etc... the fan schedule is on page 11. Further in the plans specifically states those fans are located in hazardous location are to be XP. The fan schedule doesn't state that the fans are XP.

Answer: The Fan Schedule on Drawing 11 specifies XP (Explosion Proof) Direct Drive motors for the relevant fans.

7. Question: The automatic transfer switch specification lists a series of options that are to be included if requested in the drawing. The drawing is silent to all of them. Shall the Automatic transfer switch be housed in a NEMA 1 or NEMA 3R enclosure? Shall it be service entrance rated? Shall it include Bypass Isolation? Shall it switch three poles or four poles? Shall it offer delayed transition and load shedding or in phase transition?

Answer: Regarding the enclosure NEMA rating, service entrance rating and number of poles, see Concerning the Specifications and Concerning the Drawings above. Per the transfer switch specification, the options/alternatives are required only if specified on the drawings: bypass isolation is not required and the transfer switch shall be open transition with programmable neutral position delay.

8. Question: Please RFI the following SPECIFICATION ITEMS to clarify which options are applicable to this project. Some items below are non-standard, not available, or not available in specific combinations.

- a) Transformer Insulation Systems – PLEASE IDENTIFY WHICH INSULATION RATING, RISE AND DESIGN (VENTER OR ENCAPSULATED) IS REQUIRED FOR THIS UNIT. PLEASE NOTE, INSULATION OTHER THAN 220 IS NOT STANDARD.

Answer: See Concerning the Specifications above.

- b) Transformer Core and Coil Assemblies – SAME AS ABOVE, IT SECTION A AND B BOTH READ THAT 45KVA MAY FALL UNDER EITHER DESING CRITERIA.

Answer: 45kVA transformer is 3-phase and shall meet the specifications for "three-phase units rated 75kVA and below..."

- c) Transformer Electrostatic Shielding – IS THIS OPTION REQUIRED OR APPLICABLE?

Answer: Electrostatic Shielding is not specified on the Contract Drawings and is not required.

- d) Transformer Motor Drive Isolation – IS THIS OPTION REQUIRED OR APPLICABLE?

Answer: Motor Drive Isolation is not specified on the Contract Drawings and is not required.

- e) Transformer Harmonic Treatment – IS THIS OPTION REQUIRED OR APPLICABLE?

Answer: Harmonic Mitigating Transformers is not specified on the Contract Drawings and are not required.

- f) Transformer Enclosure – IS 316 STAINLESS APPLICABLE TO THIS INSTALLATION? Here again we have a potential conflict between Vented, Encapsulated, and TENV type construction. Which is applicable to this installation?

Answer: See Concerning the Specifications above regarding the enclosure material. Per 2.06.B “three-phase units rated 75kVA and below... shall be encapsulated...”

- g) Transformer Optional Accessories – WHICH IF ANY OF THESE OPTIONS ARE REQUIRED FOR THIS APPLICATION, IF SURGE PROTECTION IS REQUIRED, PLEASE SPECIFY IF PRIMARY OR SECONDARY SPD PROTECTION IS REQUIRED.

Answer: Regarding items C, D, and E, see Concerning the Specifications above. As accessories specified under C., D. and E. are not specified on the drawings, these accessories are not required. As specified, weathershields (A.) are required only on ventilated outdoor units. Lug kits shall be provided as specified.