

**ADDENDUM NO. 2**

**CITY OF ABERDEEN**

**NORTHEAST TANK ALTITUDE VALVE VAULT - CONTRACT NO. 21-02**

In accordance with the requirements of the “Instructions to Bidders,” this Addendum shall be attached to and become a part of the Contract Documents for the above referenced project.

Concerning the Drawings and Specifications

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- (A) **Bidders are notified that the Project Drawings and the specifications listed below were replaced by the Owner in its website on, or after August 18; an addendum was not issued for the document replacement. Bidders must refer to these documents in preparing their Bid Price. Following are the replaced Specification Sections:**

**TOFC  
15600  
15800  
15851  
16010B  
16050B  
16060B  
16961B**

Clarifications

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- (A) Following are bidders’ comments/questions and Engineer’s responses:

- (1) Summary of Work (01010) – References are made to maintaining operation and continuous flow to existing facilities. The plans do not clearly show the existing valves and point where the tank fill line is connected to the existing water distribution system. As a result, we are unable to determine if the process of taking the tank off-line will impact any existing properties/dwellings. Will there be a need for temporary bypass to existing properties when the tank is taken off-line? If so, please provide the number of properties and existing water meter size for each location that will require temporary water service.

***Refer to Addendum No. 1 for altitude valve vault relocation. Temporary service is not required. The tank may go out of service during the time necessary to connect; Contractor must notify Owner two weeks prior to placing tank out of service.***

- (2) The specifications and drawings do not provide clear direction on the electrical/instrumentation conduit material type(s) desired for the various installations required for the new altitude valve vault. In industrial settings like this, we have seen the requirements vary from sch 40 PVC to pvc coated rigid metal conduit. As a result, the material specifications for these installations can have a significant cost impact to the project. Please confirm the conduit material/fitting materials acceptable for each installation type:
- \*Underground (Concrete Encased)
  - \*Above-Grade Installations (@ Panel Frame)
  - \*Vault Interior (New Altitude Valve Vault)

***Refer to City of Aberdeen website for updated electrical specification. Specification Section 16050, Paragraph 3.03.B contains the "Conduit Installation Schedule."***

- (3) We have been in communications with our precast supplier and there are some additional clarifications needed regarding the vault design criteria that would be helpful at this time.
- \*Please confirm the water table elevation that should be used for vault design and confirm the need for an anti-flotation ring.
  - \*Is there a specific engineering factor that should be used in the design calculations for the proposed altitude valve vault?

***Water table elevation is unknown.***

***Vault design is by the vault manufacturer. Refer to Specification Section 03400, Paragraph 2.01.A.1.a and (\*\*) PRECAST NOTE on Drawing AV2 (Sheet 4 of 5).***

- (4) New vault is in close proximity to the existing communication shelter, concrete stoop, and cable ice bridge. In order to perform the vault excavation, the stoop and ice bridge will likely need to be removed/relocated/replaced in order to provide the shoring required to provide a safe excavation. Can you confirm this will be acceptable?

***Per Addendum #1, the vault has been relocated away from the shelter, stoop, and bridge. Vault excavation should be performed without removal/relocation/replacement of existing infrastructure.***

- (5) Can you provide a geotechnical report for the site. We assume there was one performed when the existing standpipe water tank was constructed. This way bidders do not build in unknown contingencies for unsuitable soils.

***As per Addendum No.1, a geotechnical report is not available for the site.***

- (6) Drawing AV2, vault plan contains a label to connect to ex pipe with restrained pipe coupling. On the section, the word restrained is omitted. Specification 15370 2.02 includes a spec for pipe couplings, but these do not appear to be restrained type. Can you confirm a non-restrained coupling is acceptable or provide applicable specification for restrained version?

***See Addendum #1 for the vault relocation update. The contractor shall provide fittings and adapters as required to connect to the pipe on the east side. Concrete buttresses have been added at 45-degree bends connecting to the existing pipe. Restrained joints shall be used when connecting to the existing valve and at all new joints. Restrained joints shall be used cautiously when connecting to the existing pipe based on the structural integrity of that pipe.***

- (7) Drawing AV2 has a detail for sample taps, but I don't see this detail called out on any of the plan or section views. Can you confirm quantity and location of sample taps?

***The Sample Tap Detail and Pressure Transducer Detail are not required on this project. Therefore, they should be ignored.***

BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPECIFIED PLACE ON THE BID FORM. THE ABSENCE OF THIS ACKNOWLEDGMENT WILL BE CAUSE FOR REJECTION OF THE BID.