

# Village of Lions Bay

## Harvey Tank Replacement Project

November 6, 2018

### ADDENDUM # 5

*This Addendum forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The cost of all work contained herein shall be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above named project to the extent referenced and shall become part thereof.*

#### Contract Documents

#### SPECIFICATIONS:

1. Section 13 34 30 - Glass-Fused-To-Steel, Bolted Steel Potable Water Storage Tank – REV 1 – ADDENDUM 2

REPLACE item 1.4.5.4.2

“.2 Design Freeboard: 0.5 meters.”

WITH

“.2 Design Freeboard: As per AWWA D103. “

2. Section 13 34 30 - Glass-Fused-To-Steel, Bolted Steel Potable Water Storage Tank – REV 1 – ADDENDUM 2

REPLACE item 2.1.1.3

“.3 Coating to be Vitrium™ glass-fused to steel or Engineer approved alternative.”

WITH

“.3 Coating to be Vitrium™ glass-fused to steel, Trifusion® glass fused to steel coating or Engineer approved alternative. “

3. Section 33 11 13 Waterworks

REPLACE item 2.9.1:

“ 2.9.1 Bolts and nuts to ASTM A307, Grade B Steel, hex head style zinc plated to ASTM B633. Coat exposed fasteners with petroleum tape, mastic and paste.”

WITH:

“2.9.1 Bolts and nuts stainless steel to ASTM F593 or ASTM F738 for bolts and ASTM F594 or ASTM F836M for heavy hex nuts.”

4. Section 33 11 13 Waterworks

DELETE items 2.10 in its entirety and REPLACE with:

“2.10 Cathodic Protection

.1 Contractor shall complete the design of the cathodic protection system for the protection of piping, pipe fittings and appurtenances. Contractor shall supply and install the cathodic protection system of piping, pipe fittings and appurtenances. “

5. Section 33 11 13 Waterworks

DELETE item 2.11 in its entirety and REPLACE with:

“2.11 Dissimilar Metal Flange and Pipe Connection

.1 Where dissimilar metals are to be connected (including gaskets, bolts, nuts, and washers), furnish dielectric fittings and/or isolation bolt sleeves and washers.”

Clarification Requests:

Question 1: Please clarify whether the floor of the tank is intended to be glass coated bolted steel or concrete. If the floor of the tank is intended to be concrete, please clarify coating requirements.

Answer 1: As per Section 13 34 30, Article 3.3.1, the floor of the tank shall be concrete, NSF-61 certified, uncoated.

Question 2: Please advise if the concrete slab for the tank requires a waterproofing admixture in the concrete mix.

Answer 2: The concrete slab for the tank does require waterproofing admixture in the concrete mix.

Question 3: 150 mm perforated PVC perimeter drain is labelled as DR 28 on sheet C-01-102, but PVC Series 160 (SDR 26) in Section 33 11 13 of the specifications. Please confirm.

Answer 3: The 150 mm perforated PVC perimeter drain shall be Series 160 (SDR 26) as per Section 33 11 13 of the specifications.

Question 4: For access to the PRV 200 chamber, is the existing pad mounted generator permitted to be temporarily moved? If so, who will be responsible for the work?

Answer 4: The existing pad mounted generator can be moved temporarily, if required. If needed, the Contractor shall move the existing generator, to allow access for construction equipment, for the duration of the construction. The generator must be re-connected in the temporary location and must remain functional. The Contractor shall return the generator back to the existing location once construction is completed.

Question 5: Please confirm if Labour and Equipment Rate Table is to be submitted at the time of tender as mentioned in Clause 1.2.2.9 on page 2 of 12 of Section 00 21 13.

Answer 5: Labour and Equipment Rate Table is to be submitted at the time of tender as per Clause 1.2.2.9 of Section 00 21 13.

Question 6: Specific to Division 1, Section 01 32 16, Construction Photographs. Please clarify if the reference to “construction site” pertains to one fixed camera for the whole of the overall construction site

or if one is required at all areas being worked on. Furthermore, is the camera to be weatherproof for outdoor usage?

Answer 6: One fixed camera is required to capture the tank construction only. The camera is to be weatherproof for outdoor usage.

Question 7: Can a construction crew member be accepted as a “professional photographer of construction projects”, provided they have experience supervising and documenting water and wastewater projects not less than three years.

Answer 7: It is acceptable for the site supervisor to document the construction process as per the requirements in Section 01 32 16 – Construction Photographs, provided they have experience documenting water projects for three years or more.

Question 8: With reference to Section 01 32 16, Article 3.2 – Time-Lapse Sequence Construction Photographs, is an individual required to take the pictures or a permanently fixed camera installation?

Answer 8: A permanently fixed camera shall take the time-lapse sequence construction photographs of the Harvey Tank.

Question 9: Base Bid Item 2.2 Site Work includes for common excavation and does not include rock excavation quantities. Please confirm that if rock (as defined in Section 31 23 01) is encountered, it would constitute a Changes in the Work condition as per Section 01 20 01.

Answer 9: If rock (as defined in Section 31 23 01) is encountered, it would constitute a Changes in the Work condition as per Section 01 20 01. Unit prices for rock blasting and boulder removal must be provided as part of Section 00 41 05.

**End of Addendum #5**