



**Project**            **Duteau Creek Water Treatment Plant UV Upgrades**

**Client**             **Regional District of North Okanagan**

**Tender No.**        **2017-E372.09.04**

**Date**                **August 02, 2017**

## **ADDENDUM # 2**

### **ISSUE FOR TENDER**

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#### **INSTRUCTIONS**

Tenderers are required to acknowledge this tender addendum on the Form of Tender Section 00410 page 3 of 10 - failure to acknowledge may constitute grounds for rejection of Tender.

The Tender Closing remains unchanged as 2pm on August 10, 2017.

#### **AMENDMENTS**

The Tender Documents, Tender No. #2017-E372.09.4, shall be amended as follows:

#### **1.0 SPECIFICATIONS**

1. Refer to **Section 00410, Tender Form Page 4 of 10, Schedule A – Tender Price Base Bid**, DELETE and REPLACE with enclosed **Section 00410, Tender Form Page 4 of 10**.

Note: Schedule B prices are **NOT** to be included in the **Schedule A -Tender Price Base Bid**.

2. Refer to **Section 02316 Excavating and Backfilling for Structures**, Clause 3.5.4, DELETE and REPLACE '4 The granular base layer under structures specified on the Drawings shall extend a minimum of 600 mm beyond footings.'
3. Refer to **Section 05501, Anchor Bolts, Clause 1.5**, ADD '.2 Pull out tests will be paid by the Owner.'
4. Refer to **Section 15100, Piping System**,
  - a. **2.8 Grooved Joint Couplings**, Clause 2.8.1(e) ADD 'iv. Victaulic W77 Galvanized Ductile Iron Coupling c/w E – Flush Seal Gasket.'

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- b. **2.9 Flanges**, DELETE Clause 2.9.2.
- c. **2.14 Flexible Couplings**, ADD '.7 Dismantling joints to be Robar type 7906DJ unless otherwise noted on Drawings.'
- 5. Refer to **Section 15101, Detailed Piping Specification Sheet, Page 3 of 7**, TW Table, DELETE and REPLACE with enclosed **Section 15101, Detailed Piping Specification Sheet, Page 3 of 7**. REVISED text underlined.
- 6. Refer to **Section 15400, Plumbing and Drainage Systems, Clause 2.11.2.3a** DELETE and REPLACE 'a) Indoor Piping – Preformed aluminum covers.'
- 7. Refer to **Section 16610 Uninterruptible Power Supply Systems**, Clause 31g, DELETE and REPLACE 'g. One (1) IS—UNITY-DP Card included per Control Module (Provisional Item).'

### 2.0 DRAWINGS

- 1. REPLACE Drawing C001 Civil Yard Piping with the enclosed Drawing C001.
- 2. REPLACE Drawing C003 Civil Chemical Lines with the enclosed Drawing C003.
- 3. Refer to Drawing M102, Mechanical Sections, Section C, DELETE '6mm 3042 STAINLESS STEEL PL BENT @ 200 RADIUS' and REPLACE with '6mm 304L STAINLESS STEEL PL BENT @ 150 RADIUS'.
- 4. Refer to Drawing M201, Mechanical Outlet Chamber, Section A, DELETE '1700x10x700 BENT PL w/ 900 RADIUS' and REPLACE with '1700x10x2100 BENT PL w/ 1800 RADIUS'.
- 5. Refer to Drawing A008, Architectural Specifications, Division 10 Specialties, Clause .2 ADD 'Marine Hatch shall be complete with cast-in-place wall thimble with exterior lock and rated to 70 kPa unseating head. Marine hatch to include certificate of hydrostatic factory test results.

### 3.0 QUESTIONS

- 1. **Q:** Can Schedule A and C be submitted up to 48 hours after tender close?  
**A:** No. Refer to Section 00410 Tender Form, TENDERER'S OFFER Clause .6

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- 2. Q:** Where is the nearest location that temporary power can be accessed from?  
**A:** At the existing power service pole in front of the Water Treatment Plant.
- 3. Q:** What is considered “traffic level”?  
**A:** Traffic level is 2.3 m above finished floor.
- 4. Q:** Where is the specification or requirements for the 48” Dismantling Joints?  
**A:** See Section 15100 2.14 Flexible couplings and Section 15101, TW table, under joints.
- 5. Q:** Rigid Insulation is shown in the specifications on drawing A008, however, none is shown on the drawings. Could you confirm if there is any below grade insulation required?  
**A:** None.
- 6. Q:** What are the fire stopping requirements for the facility?  
**A:** No fire separations are required for the facility. Refer to Code Analysis on Drawing A001.
- 7. Q:** Is the carbon steel pipe intended for buried service and the stainless steel pipe for inside the building?  
**A:** No, Contractor may use either stainless or carbon steel pipe in either location. Refer to Section 15101 page 3 of 7.
- 8. Q:** Does the Owner have a location for placement of excess fill?  
**A:** Fill may be temporarily stockpiled in the location of the future filtration building as approved by the Engineer. All excess fill will need to be removed from the site prior to project completion.
- 9. Q:** What are the manhole sizes for MH1, MH2 and MH3?  
**A:** 1050 mm. See revised Drawing C001.
- 10. Q:** The line types for the new and existing lines on drawing C001 are the same or close to. Could you confirm which lines are existing on drawing C001?  
**A:** See revised Drawing C001.
- 11. Q:** The gate valve size on the domestic water line is shown as 100mm, however, the line is 50mm. Could you confirm which is correct?  
**A:** See revised Drawing C003.

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**12. Q:** Civil drawings indicate approved granular backfill to be used to backfill the foundation walls. Is the existing on site material acceptable for backfilling the foundation walls? If the existing material on site is unacceptable, could you confirm the specification for an import material?

**A:** The existing material on-site is suitable as backfill for structures, provided that moisture is controlled during placement and compaction. The Contractor shall notify the Engineer prior to backfilling to review and approve backfill materials.

**13. Q:** The structural drawings (S1.3) say to refer to electrical drawings for housekeeping pads, however none are shown on the electrical drawings. Could you confirm if housekeeping pads are required and for what electrical equipment?

**A:** All floor mounted electrical equipment to be installed on housekeeping pads as per Detail E on drawing E818. UV reactors do not require housekeeping pads.

**14. Q:** Does the electrical duct bank require concrete encasement?

**A:** The electrical duct bank will require concrete encasement under travelled surfaces. Concrete encasement as per Canadian Electrical Code 2015, Appendix D, Diagram 17L.

### Enclosures

Section 00410, Tender Form, Page 4 of 10

Section 15101, Detailed Piping Specification Sheet, Page 3 of 7

Drawing C001 Civil Yard Piping Rev B

Drawing C003 Civil Chemical Lines Rev B

The changes, additions, and/or deletions contained herein are hereby made a part of Tender Document #2017-E372.09.4 Contract Documents as fully and completely as if the same were set forth therein.

All other terms and conditions shall remain unchanged.

**END OF ADDENDUM NO. 2.**