



976-2016 ADDENDUM 6

SOUTH END SEWAGE TREATMENT PLANT (SEWPCC) UPGRADING / EXPANSION PROJECT - CONTRACT 4 – SITEWIDE MECHANICAL, ELECTRICAL, CONCRETE AND SITE WORKS

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

ISSUED: July 19, 2017
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20150806

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART E - SPECIFICATIONS

DIVISION 05 – METALS

SECTION 05 50 10

METAL FABRICATIONS – A-FRAME

Revise

1.4 A. to read:

Approved equipment manufacturers:

1. SLACAN Industries Inc., Valmont Industries Inc., Saber Industries Inc., Falcon Manufacturing Ltd., and Abesco Ltd. are approved manufacturers of the A-Frame structure. The Contractor shall carry the costs from one of these manufacturers, including but not limited to the equipment, engineering and detailed design, drawing adjustment, alternate concrete foundation / footings (if and as required) and all other items for a complete and working system.

DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

Add: SECTION 22 10 01.08 HIGH-DENSITY POLYETHYLENE (HDPE) PIPE AND FITTINGS

Replace: SECTION 23 21 13.01 HYDRONIC PIPING SCHEDULE with SECTION 23 21 13.01 HYDRONIC PIPING SCHEDULE – Issued for Addendum 06

Replace: SECTION 23 34 00.01 HVAC FANS (DATA SHEETS) with SECTION 23 34 00.01 HVAC FANS (DATA SHEETS) – Issued for Addendum 06

DIVISION 26 – ELECTRICAL

SECTION 26 33 43

BATTERY CHARGERS AND BATTERY BANK

Data Sheet No. A-0102-EDTS-C001

ELECTRICAL DATA SHEET - 125VDC STATION BATTERY CHARGER & BATTERY BANK

Revise:

Row	Description	Design Requirements	Vendor Confirmation	Rev.
80	TYPE	OPzS TYPE BAE		

to read:

Row	Description	Design Requirements	Vendor Confirmation	Rev.
80	TYPE	OPzV TYPE BAE		

DIVISION 40 – PROCESS INTEGRATION

SECTION 40 05 15 PIPING AND CABLE TRAY SUPPORT SYSTEMS

Delete:

- 1.4 A.6. Submit computer piping stress analyses in accordance with CSA B51 and ASME B31.1, B31.3, or B31.9, as applicable, for all piping support systems for piping subject to any of the following design conditions:
- a. Pipe sizes 100 mm and larger and design differential temperature exceeding 205 degrees C.
 - b. Pipe sizes 200 mm and larger and design differential temperature exceeding 150 degrees C.
 - c. Pipe sizes 300 mm and larger and design differential temperature exceeding 90 degrees C.
 - d. Pipe sizes 500 mm and larger and any design differential temperature.
 - e. Pipe sizes 75 mm and larger and design pressure exceeding 3450 kPag.

SECTION 40 27 02 PROCESS VALVES AND OPERATORS

Add to:

- 2.5 C.6. c. For electric motor actuated valves (Valve Type Number V307 or V308 in Electric Motor Actuated Valve Schedule), provide valve with actuator-ready ISO 5211 mounting pad.

DIVISION 43 – PROCESS GAS AND LIQUID HANDLING, PURIFICATION AND STORAGE EQUIPMENT

SECTION 43 21 13.29 INDUCED FLOW (RECESSED IMPELLER) CENTRIFUGAL PUMPS

Revise

- 2.7 A. to read: Where variable speed drive type is indicated in the Pump Data Sheets, provide variable frequency drives (VFDs) in accordance with the requirements of Section 26 29 23, Variable Frequency Drives. Equipment supplier is responsible for coordination of pumps, motors, and VFDs supplied.

DIVISION 46 – WATER AND WASTEWATER EQUIPMENT

SECTION 46 21 11 SCREENING EQUIPMENT

Revise

1.5 to read: EXTRA MATERIALS

- A. Supply, tag, and box for shipment and storage to the Site the following spare parts and special tools:

Item	Quantity
Perforated screen panels	Two per screen
Screen panel mounting bolts	Two sets per screen
Screen panel side seals	One complete set
Rebuild kit for rotating brush	One
Screen shaft end bearings	Two complete sets
Washer/compactor guide bars	One complete set
Washer/compactor cleaning brush	One
Solenoid valves	One of each different size/configuration
Special tools required to maintain or dismantle equipment	One complete set

- B. Delivery: In accordance with Section 01 61 00, Common Product Requirements.

Delete:

1.6 EXTRA MATERIALS

- A. Furnish, tag, and box for shipment and storage the following spare parts and special tools:

Item	Quantity
Perforated screen panels	Two per screen
Screen panel mounting bolts	Two sets per screen
Screen panel side seals	One complete set
Rebuild kit for rotating brush	One
Screen shaft end bearings	Two complete sets
Washer/compactor guide bars	One complete set
Washer/compactor cleaning brush	One
Solenoid valves	One of each different size/configuration
Special tools required to maintain or dismantle equipment	One complete set

- B. Delivery: In accordance with Section 01 61 00, Common Product Requirements.

SECTION 46 43 16.13 SECONDARY CLARIFIER MECHANISM (SUCTION MANIFOLD HEADER TYPE)

Revise

2.24 D.4. to read: Protectolite Composites Inc., Toronto, ON

Revise

2.25 Y.4. to read: Protectolite Composites Inc., Toronto, ON

SECTION 46 43 79 WEIR AND BAFFLE PLATES

Add to:

2.2 A.3. d. Protectolite Composites Inc., Toronto, ON

SECTION 46 51 21.16 COARSE BUBBLE AIR DIFFUSER SYSTEM FOR TANKS

Revise

1.2 A.2.c. to read: A312/A312M, Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes; or ASTM A774, Standard Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures, and ASTM A778, Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products.

DRAWINGS

A – General

Replace: 976-2016_Drawing_1-0102-BDTL-A003-R03.pdf with 976-2016_Addendum_6-Drawing_1-0102-BDTL-A003-R04.pdf

Replace: 976-2016_Drawing_1-0102-BDTL-A004-R03.pdf with 976-2016_Addendum_6-Drawing_1-0102-BDTL-A004-R04.pdf

K – High Rate Clarification Building

Replace: 976-2016_Drawing_1-0102-PPID-K607-R00.pdf with 976-2016_Addendum_6-Drawing_1-0102-PPID-K607-R01.pdf

R – BNR Facility (Bioreactors & Blower Bldg)

Replace: 976-2016_Drawing_1-0102-BGAD-R017-R00.pdf with 976-2016_Addendum_6-Drawing_1-0102-BGAD-R017-R01.pdf

S - Secondary Clarifiers

Replace: 976-2016_Drawing_1-0102-PPID-S101-R00.pdf with 976-2016_Addendum_6-Drawing_1-0102-PPID-S101-R01.pdf