



# 839-2018 ADDENDUM 1

## DONALD OUTFALL CHAMBER UPGRADES

### URGENT

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

ISSUED: September 24, 2018  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

Template Version: A20160708

**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

Revise: E1.2 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
22 14 29.16	Submersible Sump Pump
22 14 29.17	Submersible Sump Pump – Discharge Piping
25 05 01	Controls – General Requirements
25 05 54	Controls Identification
25 30 01	RTU Control Panel
25 30 02	Controls Instrumentation
26 05 01	Common Work Results – Electrical
26 05 20	Wire and Box Connectors (0-1000 V)
26 05 21	Wires and Cables (0-1000 V)
26 05 34	Conduits, Conduit Fastenings and Conduit Fittings
26 05 43. 01	Installation of Cables in Trenches and Ducts
26 24 02	Service Entrance Board
26 24 17	Panelboards Breaker Type
26 27 26	Wiring Devices
26 28 21	Moulded Case Circuit Breakers
26 29 03	Control Devices

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
LD-8633	Cover Sheet
LD-8634	Municipal – Site Plan, Grading and Forcemain
<b>LD-8635</b>	<b>Municipal – Pathway Details</b>
LD-8636	Structural – Gate Chamber Partial Demolition – Plan, Sections and Details
LD-8637	Structural – Gate Chamber – Plans
LD-8638	Structural – Gate Chamber – Sections
LD-8639	Structural – Gate Chamber – Reinforcing Details
LD-8640	Structural – Gate Chamber – Miscellaneous Metals Details
LD-8641	Mechanical – Pump and Discharge Pipe - Plans and Sections
LD-8642	Electrical – Single Line Diagram and Panelboard Schedule
LD-8643	Electrical – Submersible Pump P-A01 Schematic and Wiring Diagram
LD-8644	Electrical – Sluice Gate Actuator Schematic and Wiring Diagram

LD-8645	Electrical – Control Panel Elevation and Equipment List
LD-8646	Electrical – Partial Site Plan and Details
LD-8647	Electrical – Details
LD-8648	Electrical – RTU Panel – 120VAC Power and Fuse Distribution
LD-8649	Electrical – RTU Panel – 120VDC Power and Fuse Distribution
LD-8650	Electrical – RTU Panel – Digital Input DI 09-10 – UPS Alarm and Power Distribution
LD-8651	Electrical – RTU Panel – Base I/O Board – Discrete Inputs
LD-8652	Electrical – RTU Panel – Base I/O Board – Analog Inputs
LD-8653	Electrical – RTU Panel – SCADA Com Detail
LD-8654	Electrical – RTU Panel – M580 I/O Board – Discrete Inputs
LD-8655	Electrical – RTU Panel – M580 I/O Board – Discrete Outputs
LD-8656	Electrical – Instrumentation Control P&ID
Appendix A	Memorandum – Geotechnical Site Investigations and Hydrogeological Study
Appendix B	City of Winnipeg Electrical Design Guide
Appendix C	City of Winnipeg Identification Standard
Appendix D	Existing Chamber Record Drawing

Add: E23.2 (d) (ii) (a) Meadow-Plug hydraulic repair mortar (W.R. Meadows of Canada) is an approved equivalent material.

Add E25.1.1 (b) This Specification shall also cover the replacement of all existing galvanized steel hatches with aluminum hatches to match existing. The Contractor is responsible for detailed measurements of all existing hatches.

## **DRAWINGS**

Replace: 839-2018\_Drawing\_LD-8633 with 839-2018\_Addendum\_1\_Drawing\_LD-8633

839-2018\_Drawing\_LD-8634 with 839-2018\_Addendum\_1\_Drawing\_LD-8634

839-2018\_Drawing\_LD-8641 with 839-2018\_Addendum\_1\_Drawing\_LD-8641

Add: 839-2018\_Drawing\_LD-8635

## **NMS FORMAT SPECIFICATIONS**

Add 22 14 29.17, Clause 2.4.13.1: Series 120 AWWA Eccentric Plug Valve (Homestead Valve) is an approved equal.

Revise: 22 14 29.17, Clause 2.6 to read:

### **2.6 VACUUM BREAKER**

- .1 Vacuum breaker shall be fully automatic float operated valve to automatically exhaust large quantities of air during the filling of a piping system and close upon liquid entry. The valve shall re-open during draining or if a negative pressure occurs. Valve shall be suitable for wastewater service and manufactured to AWWA C512 Standards.
- .2 Size: 25mm (1")
- .3 Materials of Construction
  - .1 Body: Cast Iron ASTM A126 Class B

- .2 Cover: Cast Iron ASTM A126 Class B
- .3 Baffle: Ductile Iron ASTM A536
- .4 Seat: Buna-N
- .5 Upper and Lower Floats: Stainless Steel T316, ASTM A240
- .6 Gasket: Compressed Non-Asbestos Fiber
- .7 Cover Bolt: Stainless Steel T316, ASTM F593
- .8 Retaining Screw: Stainless Steel T316, ASTM F593
- .9 Guide Bushing: Stainless Steel T316, ASTM A582
- .10 Guide Shaft: Stainless Steel T316, ASTM A582
- .4 Inlet Connection: 50mm (2") NPT
- .5 Outlet Connection: 25mm (1") NPT
- .6 Clean Out: 50mm (2") NPT
- .7 Coatings: Fusion bonded epoxy coating on the exterior and interior of the valve.
- .8 Maximum Cold Working Pressure (C.W.P.): 1000 kPa (150 psig)
- .9 Valve shall be tested to 1.5 times the cold working pressure.
- .10 Options: Low Durometer Seating
- .11 Acceptable Product: Valmatic VM-301A or approved equal in accordance with B7 of the Bid Opportunity documents.

Add: 22 14 29.17, Clause 2.7:

## **2.7 BALL VALVE**

- .1 Ball valve shall be two piece full port with investment cast body, lockable lever handle, blow-out proof stem, vented ball, and manufactured silicone free . Valve shall be suitable for wastewater service.
- .2 Valve shall be designed and manufactured to meet MSS SP-110.
- .3 Size: 50mm (2")
- .4 Materials of Construction
  - .1 Body: ASTM A351 Grade CF8M Stainless
  - .2 End Cap: ASTM A351 Grade CF8M Stainless
  - .3 Ball: 316 Stainless Steel
  - .4 Seat: TFM1600 with 20% Graphite
  - .5 Stem: 316 Stainless Steel
  - .6 Anti-Static Device: 316 Stainless Steel
  - .7 Thrust Washer: TFM4215
  - .8 Body Gasket: PTFE
  - .9 V-Ring Packing: PTFE
  - .10 Handle and Hardware: 304 Stainless Steel
- .5 End Connections: NPT to ASME B1.20.1
- .6 Maximum cold working pressure of 10,342 kPa (1500 PSI)
- .7 Acceptable Product: FNW Figure 220A or approved equal in accordance with B7 of the Bid Opportunity documents.