



886-2023 ADDENDUM 2

2023 OUTFALL PROGRAM – RIVERGATE DRIVE OUTFALL REHABILITATION

URGENT

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

ISSUED: December 5, 2023
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2021-03-05

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

FORM B: PRICES

Replace: 886-2023_Form_B-Prices with 886-2023_Addendum_2_Form_B-Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

- Form B(R1): Revise Item A4(a) – Approx. Quantity
- Revise Item A4(b) – Approx. Quantity
- Add Item A8 – Supply and Installation of Cement Stabilized Flowable Fill for Filling Void Space from Removal of Existing Pipe
- Add Item A14 – Grouted Riprap c/w Strap Anchors
- Add Item A26 – Allowance for Loading & Hauling Existing Material

Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, **December 8, 2023.**

PART E – SPECIFICATIONS

- Add: E15.3.13 Filling Void Space from Removal of Existing Pipe with Cement Stabilized Flowable Fill
- (a) Upon removal of the existing CMP outfall pipe, the void space shall be backfilled with cement stabilized flowable fill. Void space to be filled shall be from the bottom of excavation for the pipe removal works to the lines and grades shown on the Drawings for the installation of new outfall pipe. Void space shall be filled prior to placing/installing the new outfall pipe.

Add: E15.4.1(b) Further to E15.4.1 (a)(i), filling the void space from removal of the existing pipe as described in E15.3.13 and as identified on the Drawings will be measured and paid for on a volume basis. The volume to be paid for shall be the total number of cubic meters (m³) of cement stabilized flowable fill installed in accordance with the Specifications herein and as acceptable to the Contract Administrator.

Add: E15.4.1(c) Supply and installation of cement stabilized flowable fill for filling the void space from removal of the existing pipe will be paid for at the Contract Unit Price for "Supply and Installation of Cement Stabilized Flowable Fill for Filling Void Space from Removal of Existing Pipe", measured as specified herein, which price shall be payment in full for supplying all materials and performing all operations described and all other items incidental to the Work.

Add: E33 Grouted Riprap

E33.1 Description

E33.1.1 This Specification shall cover the installation of grouted riprap and splash pad complete with strap anchors required to be installed at the pipe outlet.

E33.1.2 Further to E33.1.1, this Specification shall amend and supplement Standard Specification CW 3615.

E33.2 Materials

E33.2.1 Riprap

- (a) Rock for riprap shall consist of hard, dense, durable rock. The rock shall be angular crushed limestone, resistant to the action of air and water and suitable in all other respects for the purpose intended.
- (b) The stones shall range in size from 100mm to 350mm in diameter with 75% by count between 200mm and 350mm.
- (c) Crushed limestone when subjected to the Los Angeles abrasion test shall have a loss of not more than thirty-two percent (32%).
- (d) Crushed limestone when subjected to the Magnesium Sulphate Soundness test shall have a loss of not more than eighteen percent (13%).
- (e) The sample material shall be crushed to 37.5 mm maximum aggregate size and tested in accordance with ASTM C131 – Resistance to Degradation of Small size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine and ASTM C88 – Soundness of Aggregates by Use of Magnesium Sulphate.
- (f) The rock for riprap shall be approved by the Contract Administrator prior to riprap installation.

E33.2.2 Strap Anchors

- (a) Material for strap anchors to grouted riprap splash pad at the Rivergate Drive Outfall outlet shall be as specified on the Drawings. Shop drawings shall be submitted to the Contract Administrator prior to construction.

E33.2.3 Geotextile

- (a) Geotextile shall be as per E18.

E33.2.4 Concrete/Grout

(a) Concrete/Grout shall be as per CW 3615.

E33.3 Construction Methods

E33.3.1 Riprap

(a) Installation of 300mm grouted riprap shall be as per Clause 9.3 of CW 3615. Total depth of concrete and riprap to be as shown on the Drawings.

(b) Riprap shall not be dropped onto the geotextile from a height greater than 300mm.

(c) Any geotextile damaged during placement of the riprap shall be replaced as directed by the Contract Administrator at the Contractors expense.

E33.4 Measurement and Payment

E33.4.1 Grouted Riprap

(a) As per Clauses 12.2 and 13.2 of CW 3615.

E33.4.2 Strap Anchors

(a) The installation of pipe anchors into grouted riprap is considered incidental to the installation of pipe and grouted riprap. No separate measurement or payment will be made for installation of pipe strapping anchors.

Add: E34

Allowance for Loading & Hauling Existing Material

E34.1 Description

E34.1.1 The Contractor is advised that there is an existing large stockpile of excavated material on site in the northeast corner of 1916 St. Mary's Road from Gateway Construction Ltd. as a result of the ongoing building development. To facilitate site development and access for the outfall construction Works, we may be required to load and haul some of this existing stockpile material on site to an offsite location.

E34.1.2 Further to E34.1.1, this Specification shall only apply to the loading and hauling of this specific stockpile of material currently on site and does not apply to any excavated materials from the outfall construction Works. The Contractor is responsible for removal and hauling of all materials for the outfall construction Works (no stockpiling on site), including but not limited to excavated materials and temporary materials placed to construct access ramps.

E34.2 Construction Methods

E34.2.1 As directed by the Contract Administrator, the Contractor shall load and haul existing material from the existing stockpile located in the northeast corner of 1916 St. Mary's Road to the South End Water Pollution Control Centre (SEWPCC). The exact location of the yard/area at SEWPCC will be provided to the Contractor upon project award.

E34.2.2 Hauling/delivery of the material to SEWPCC will be restricted to the plant's hours of operation.

E34.3 Measurement and Payment

E34.3.1 The cost for loading and hauling existing material from the existing stockpile located in the northeast corner of 1916 St. Mary's Road to SEWPCC shall be paid for under the Contract Unit Price for "Allowance for Loading & Hauling Existing Material". Costs will be based on actual invoiced costs to complete the Work with allowable mark-ups in accordance with the General Conditions.

DRAWINGS

Replace: 886-2023_Drawing_1-0303O-C0077-001-R0 with 886-2023_Addendum_2_Drawing_1-0303O-C0077-001-R1

886-2023_Drawing_1-0303O-C0078-001-R0 with 886-2023_Addendum_2_Drawing_1-0303O-C0078-001-R1

886-2023_Drawing_1-0303O-C0078-002-R0 with 886-2023_Addendum_2_Drawing_1-0303O-C0078-002-R1