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**ADDENDUM NO. 2**

**Project:** Lac La Biche Storm Outlet Improvements  
101 Street & 104 Street  
And McArthur Park Oil Grit Separator  
Lac La Biche, AB

Page 1 of 2

**Date:** 7 June 2018

**County ref #:** UT-41-2018-04

**Consultant ref. #:** C16060

**This Addendum is issued prior to the Tender Closing Date, in accordance with the Tender Documents and shall be considered an integral part of the Contract Documents, read together with the Drawings, Specifications and Addenda previously issued and with all subsequent Addenda.**

1. Remove the Stormceptor Model OSR 4000 from the list of approved Oil / Grit Separator units for use on Outfall #3 by making the following changes to the Tender Documents and Design Drawings:
  - a. Within the Unit Price Schedule – SCHEDULE “C” – OUTLET “3” REHABILITATION (101 ST.), remove the words “or OSR 4000” from Item 12 so that it reads:

*“SUP/INST CDS 4030 INLINE OIL/GRIT SEPARATOR INCL. MH  
(or Engineer Approved Equivalent).  
Including connection to and reinstatement of the existing 525mm storm pipe as a required”*
  - b. Within Sheet Number 3 of 6 of the Design Drawings, remove the words “OSR 4000” and “OSR UNIT 4000” throughout and replace with the words “OR ENGINEER APPROVED EQUIVALENT”.
2. Make the following corrections to the “INDEX TO CONTRACT DOCUMENTS”:
  - a. Revise the number of pages for the “Tender Form & Unit Price Schedules” to 10 pages instead of the incorrect 9 pages.
  - b. Revise the section title for “Section 33 05 13” to “Manholes, Catch Basins, and Flared Ends” instead of the incorrect title “Manholes and Catchbasins”.

**Clarification and Supplementary Information:**

- A. All submittals for Oil / Grit Separator units proposed as “Engineer Approved Equivalent” shall include detailed drawings and specifications for the unit and be supplemented with a sizing report signed by an Engineer who is registered as a Practicing Professional Member of APEGA. The report shall include a table identifying the removal efficiencies for an OK-110 Particle Size Distribution through the rainfall intensities shown in the below table “Rainfall Intensity vs Percent of Total Rainfall”, and tabulate the total net annual removal efficiency. The catchment area and average runoff coefficient for each outfall is listed below for use in runoff calculations. The minimum required removal efficiency for each unit is 85%. In addition to meeting the required treatment efficiency, the units proposed must be capable of bypassing (internally or externally) the 1:5 year flow rates identified in the below Catchment Parameters. Any units that required external bypass shall be priced with all required external bypass structures.

Rainfall Intensity vs Percent of Total Rainfall		
Rainfall Intensity (mm/hr)	Percent of Total Rainfall Volume	Percent Cumulative Rainfall Volume
0.5	12.2%	12.2%
1	12.3%	24.4%
1.5	12.1%	36.5%
2	9.9%	46.4%
2.5	9.0%	55.5%
3	6.9%	62.4%
3.5	4.6%	67.0%
4	4.4%	71.4%
4.5	4.5%	75.9%
5	3.2%	79.1%
6	5.3%	84.4%
7	3.1%	87.4%
8	3.6%	91.0%
9	1.2%	92.2%
10	1.2%	93.4%
15	3.4%	96.8%
20	1.4%	98.2%
25	1.4%	99.6%
30	0.4%	100.0%

**Outfall Catchment Parameters:**

## Outfall 1:

- Area: 3.0 hectares
- Runoff Coefficient : 0.56
- 1:5 year flow rate: 250 l/s (at 15min TOC)

## Outfall 2:

- Area: 3.0 hectares
- Runoff Coefficient : 0.56
- 1:5 year flow rate: 250 l/s (at 15min TOC)

## Outfall 3:

- Area: 11.2 hectares
- Runoff Coefficient : 0.69
- 1:5 year flow rate: 966 l/s (at 20min TOC)

## McArthur Park:

- Area: 31.59 hectares
- Runoff Coefficient : 0.68
- 1:5 year flow rate: 2130 l/s (at 29min TOC)

All Tenderers shall acknowledge receipt and acceptance of this Addendum No. 2, by signing in the space provided and submitting the signed Addendum with their Tender. Tenders submitted without this Addendum may be considered incomplete.

Sincerely,  
V3 Companies of Canada Ltd.

Receipt Acknowledged:

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CONTRACTOR

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DATE

Addendum issued through Alberta Purchasing Connection.

(End of Addendum #2)