

September 6, 2017

Dear Sir:

Attached is Addendum No. 1 dated September 6, 2017 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1396, Black Bear Water Co-op Water Treatment Plant Upgrades. Please verify receipt of this Addendum for our records by fax to (204) 726-6290.



**ACKNOWLEDGEMENT OF RECEIPT OF ALL ADDENDUMS
MUST BE INCLUDED IN THE TENDER SUBMISSION.**

Failure to include acknowledgement shall cause the tender to be rejected. If Tender is submitted before Addendum is issued, the Board will accept a faxed acknowledgement prior to the tender closing.

Yours truly,

R. Lytle
Construction Manager

The Manitoba Water Services Board
Unit #1A - 2010 Currie Blvd.
Brandon, MB R7B 4E7

Dear Sir:

We have received Addendum No. 1 dated September 6, 2017 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1396, Black Bear Water Co-op Water Treatment Plant Upgrades.

Yours truly,

Company

Per

THE MANITOBA WATER SERVICES BOARD

CONTRACT NO. M.W.S.B. 1396

**BLACK BEAR WATER CO-OP
WATER TREATMENT PLANT UPGRADES**

ADDENDUM NO. 1

To the tender documents for:

September 6, 2017

1) PRECEDENCE

This addendum forms an integral part of the specifications describing all aspects of the work and is to be read in conjunction therewith.

2) SCOPE

The purpose of this addendum is to amend the following sections of the Tender Documents:

- 1. Replace Form MWSB 3C Schedule of Prices with attached revised Schedule of Prices Addendum 1.**
- 2. Section 01001 Special Provisions, Clause 1.02 “DESCRIPTION OF WORKS” revise as follows:**

Add point:

- **“Removal of existing raw water pump and the supply and install of new raw water pump.”**

Revise points:

- **“supply and install new three (3) Upstream NC 15-50 ultraviolet disinfection units complete with isolation valves, solenoid valves, purge valve relocation kit, on-line uninterruptible power supply (UPS), one (1) spare set of bulbs and incoming and outgoing piping as per Manufacturer’s instruction shown in the appendix.”**
- **“supply and install of 75 mm ø flushout assembly (off – line) and gate valve on existing HDPE distribution pipeline”**

Clarify points:

- **“supply and install of new interior piping, valves, piping supports and bracing restraints, and miscellaneous mechanical works” – miscellaneous mechanical works pertains to the new work listed in the Description of Works**

- “removal and disposal of current Nextsand filter media and replacing with new Nextsand filter media in existing 0.457 ø mm (18” ø) fiberglass filters, supply and install new filter header piping c/w couplings.”

3. Section 01001 SPECIAL PROVISIONS, add the following clauses:

<p>2.20 RAW WATER PUMP</p>	<p>The raw water pump shall be a vertical multi-stage centrifugal pump, 304 stainless steel construction, carbon with silicon carbide mechanical seal and shall supply 15 USGPM at 125 feet TDH and shall come complete with TEFC motor, 1 horsepower, 230 volt, single phase, 60Hz. The pump shall be Goulds SSV Series Model 3SV5FC3A20 or approved equal.</p>
<p>2.21 CHLORINE INJECTION POINT</p>	<p>Chlorine injection point shall be a PVC 13 mm threaded quill installed on a 50 mm branch tee fitting. Injection quill shall be a Saf-T-flo: EB-125-S-P-100-B-V with flexible hose assembly or approved equal.</p>

4. Section 01001 SPECIAL PROVISIONS, delete the following clause:

<p>2.1 CARTRIDGE FILTERS</p>	<p>The cartridge filters shall be Harmsco Cartridge Filters to follow in series after existing sand filters. All cartridge housing and components shall be NSF rated.</p> <p>Filters for each housing shall be:</p> <ol style="list-style-type: none"> 1. 5 Micron PP Plus; Model: Harmsco HC/170-5 2. 0.35 Micron PP Plus; Model: Harmsco HC/170-0.35 3. 1 Micron Absolute Poly Pleat; Model: Harmsco PP-HC/170-1 4. Carbon Block Cartridge Filter; Model: Harmsco HC/170-AC-5
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Replace with the following clause:

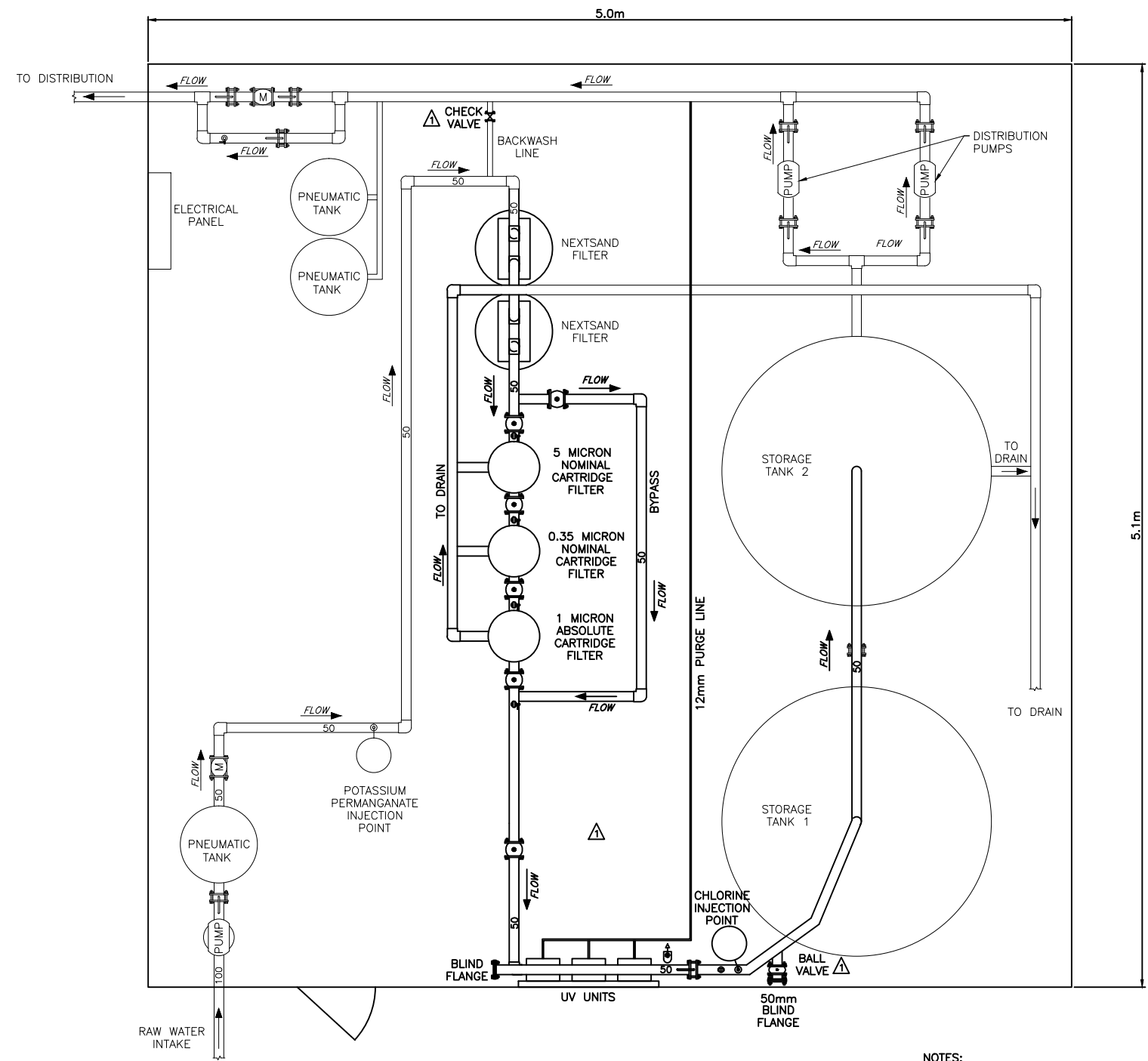
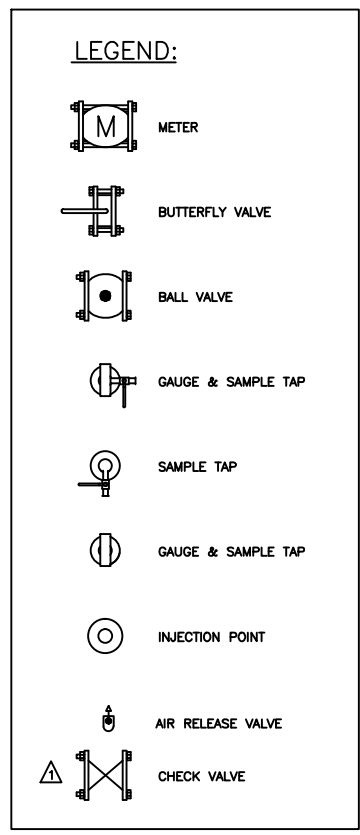
<p>2.1 CARTRIDGE FILTERS</p>	<p>The cartridge filters shall be Harmsco Cartridge Filters or approved equals to follow in series after existing sand filters. All cartridge housing and components shall be NSF rated.</p> <p>Filters shall be:</p> <ol style="list-style-type: none"> 1. 5 Micron Housing - HUR 40 HP 5 Micron Filter – HC 40-5 2. 0.35 Micron Housing - HUR 40 HP 0.35 Micron Filter – HC 40-0.35 3. 1 Micron Absolute – HUR 90 HP 1 Micron Absolute Filter – PP-HC/90-1 <p>Contractor to supply one (1) spare of each size filter and two (2) spare gaskets.</p>
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5. Section 01150 Measurement and Payment, revise the following Clauses:

1.05 MECHANICAL	1) METHOD OF MEASUREMENT - There will be no measurement for "Mechanical". 2) BASIS OF PAYMENT - The supply and installation of mechanical shall be paid for at the Contract Price for "Mechanical". This price shall include the supply and installation of cartridge filter, filter media, UV units, on-line UPS, piping, fittings, couplings, valves, pipe supports, bracing restraints, connections to existing pipeline, chlorine injection point, stainless steel nuts, washers and bolts, spare parts, commissioning and for those operations incidental to the work for which no price or provisions for payment are included in the Contract.
1.09 RAW WATER PUMP	1) METHOD OF MEASUREMENT - There will be no measurement for "Raw Water Pump". 2) BASIS OF PAYMENT – Payment for "Raw Water Pump" shall be paid for at the Contract Lump Sum Price and this price shall include the removal of the old raw water pump, supply and installation of the new raw pump c/w mechanical and electrical work, foot valve, commissioning and for those operations incidental to the work for which no price or provisions for payment are included in the Contract.

6. See attached revised drawing Page 1 of 3 Addendum 1, 5 micron carbon cartridge filter and by-pass piping removed, ball valve to blind flange and check valve to backwash line added.
7. See attached revised drawing Page 2 of 3 Addendum 1, 5 micron carbon cartridge filter and by-pass piping removed, ball valve to blind flange and check valve to backwash line added.

END OF ADDENDUM



NOTES:
 -BYPASS SHOWN AT OFFSET FOR CLARITY.
 -INSTALL BYPASS AND PURGE LINE TO MAXIMIZE SPACE IN WTP.

NO.	DESCRIPTION	BY	DATE
1	REMOVAL OF FILTER & BYPASS AND ADDITION OF VALVES	NLL	17-09-05















SURVEYED	BOOK NUMBER	PROVINCE OF MANITOBA THE MANITOBA WATER SERVICES BOARD MUNICIPAL RELATIONS	
DRAWN	NLL		
DESIGNED	D. GENAILLE		
CHECKED		SUBMITTED	APPROVED
REVIEWED		CHIEF ENGINEER	GENERAL MANAGER

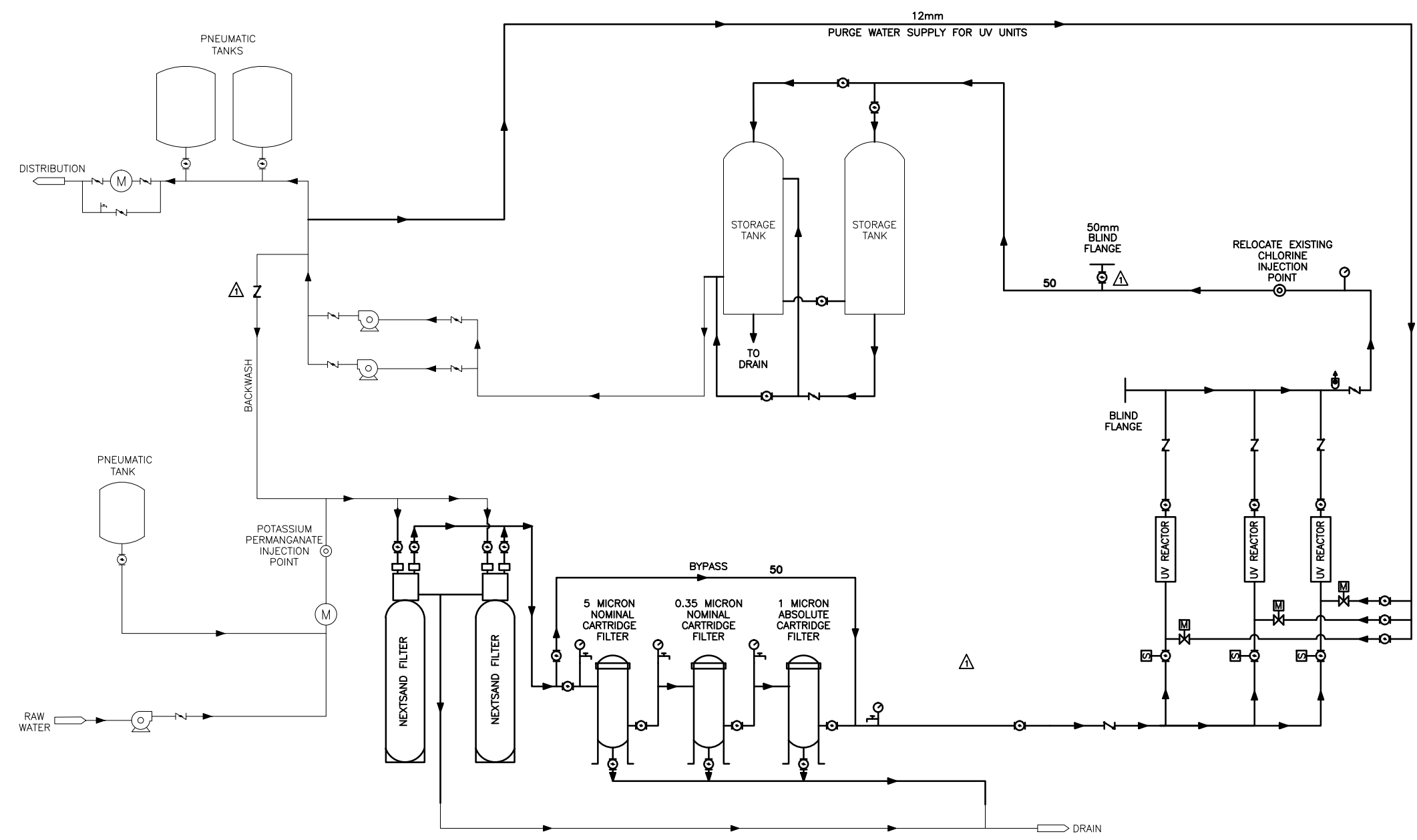
BLACK BEAR WATER CO-OP WTP UPGRADES 2017				
WTP LAYOUT				
SCALE	DATE	PROJECT NUMBER	REVISION	SHEET
N.T.S.	17-07-11	1396		1 of 3

ISSUED FOR TENDER

LEGEND:

-  METER
-  BALL VALVE
-  CHECK VALVE
-  BUTTERFLY VALVE
-  PRESSURE GAUGE & SAMPLE TAP
-  PRESSURE GAUGE
-  BALL VALVE WITH SOLENOID
-  INJECTOR POINT
-  AIR RELEASE VALVE
-  MOTORIZED PURGE VALVE
-  PUMP
-  COUPLING

— EXISTING
 — NEW



NO.	DESCRIPTION	BY	DATE
1	REMOVAL OF FILTER & BYPASS AND ADDITION OF VALVES	NLL	17-09-05



SURVEYED	BOOK NUMBER
DRAWN	NLL
DESIGNED	D. GENAILLE
CHECKED	
REVIEWED	

PROVINCE OF MANITOBA
 THE MANITOBA WATER SERVICES BOARD
 MUNICIPAL RELATIONS

SUBMITTED: _____ APPROVED: _____

CHIEF ENGINEER: _____ DATE: _____ GENERAL MANAGER: _____ DATE: _____

BLACK BEAR WATER CO-OP WTP UPGRADES 2017				
P&ID DIAGRAM				
SCALE	DATE	PROJECT NUMBER	REVISION	SHEET
N.T.S.	17-07-27	1396		2 of 3

ISSUED FOR TENDER

SCHEDULE OF PRICES

PROJECT NO. MWSB 1396 – ADDENDUM 1

DESCRIPTION OF WORK	ESTIMATED QUANTITIES	UNIT	UNIT PRICE \$0.00	TOTAL \$0.00
1. Black Bear Water Co-op WTP				
a) Mechanical	1	L.S.		
b) Electrical	1	L.S.		
c) Storage Tank Cleaning	1	L.S.		
d) Raw Water Pump	1	L.S.		
2. Underground Piping				
a) Flushout Assembly (off-line)	1	L.S.		
b) 75 mm ø Gate Valve	1	Each		
3. Commissioning, training, O & M manuals	1	L.S.		
Extra Work Allowance				\$ 10,000.00
	Subtotal			\$
*PST must be included in unit prices.	Goods & Services Tax (5% of Subtotal)			\$
	TOTAL TENDER PRICE			\$

Name of Bidder