

The following changes are effective immediately and shall be incorporated into the Contract Documents.

SPECIFICATION

SECTION 33 32 14 - 2.2 PUMPS

DELETE: 2.2.1 Two totally submersible non-clog centrifugal wastewater pumps with submersible electric motor connected with SOW or SUBCAB cable sized according to CSA standards and carry a CSA approval. The pump shall be supplied with cast iron discharge connection, steel lifting chain and guide bars extending from the top of the station to the discharge connection. The safe working load of the lifting chain shall incorporate a 4:1 safety factor.

ADD: 2.2.1 Two totally submersible non-clog centrifugal wastewater pumps designed to grind all solids commonly found in wastewater applications to a slurry, with submersible electric motor connected with SOW or SUBCAB cable sized according to CSA standards and carry a CSA approval. The pump shall be supplied with cast iron discharge connection, steel lifting chain and guide bars extending from the top of the station to the discharge connection. The safe working load of the lifting chain shall incorporate a 4:1 safety factor.

DRAWINGS

DETAIL B/C-101

.1 Delete note:

"100mmØ VENT EXTENDING TO 96.25"

Replace with:

"100mmØ VENT EXTENDING TO 122.15"

DETAIL D/C-101

.1 Add note:

"COMMISSION AND PROVE NEW PUMPING STATION WITH USE OF TEMPORARY GENERATOR."

DETAIL F/C-101

.1 Add note:

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"RESTRAIN AND SHORE EXISTING COMMUNICATIONS VAULT AS  
REQUIRED FOR INSTALLATION OF NEW CHAMBERS"

QUESTION AND ANSWER

Q1: In the scope it says to keep the original pump control panel in place until new system is commissioned. On drawing E501 it shows us cutting into the existing conduit and using the cables to the original panel for the construction of the new panel, if we do this it is impossible to keep the old control station in place.

**A1: Commission Pumping Station with use of temporary generator. The conductors are to be re-routed into the new pumping station once the new pumping station has been commissioned using a temporary generator (provided by the contractor).**

Q2: Also in that drawing it shows the original conduit directly in the path of the construction of the new chamber, is this accurate?

**A2: The conductors for the street lighting are to be re-routed around the new pumping station as noted in "Detail F"**

Q3: Drawing C101, Section A cross section, states to provide safety grating and barrier. Please provide details of barrier that is being requested.

**A3: MSU MISSUAGA Product Type MG - Safety Hatch Drainage Frame is one example product that would meet the specification. Other manufactures make comparable products that would meet the specifications.**

Q4: Drawing C101, section B plan view, shows 100mm vent extending to 96.25. This elevation is 4 m below bottom of station, please revise required elevation.

**A4: See Above under Detail B/C101**

END OF ADDENDUM #1