



The County

PRINCE EDWARD COUNTY ♦ ONTARIO

PRINCE EDWARD COUNTY ADDENDUM No. 2

Date: Tuesday, April 16, 2019
Contract: 2019-EDW-01
**AMELIASBURGH WATER TREATMENT PLANT PROCESS
PIPING UPGRADES**

I. DIRECTIVE

This Addendum shall form an integral part of the plans and specifications for the above-mentioned project and shall be read in conjunction therewith. This Addendum shall, however, take precedence over all requirements of the previously issued drawings, specifications, or addenda with which it may prove at variance, unless otherwise clarified by the Engineer.

II. CLARIFICATIONS

1. Part A – Instructions to Bidders – Section 2 - Tender Delivery & Opening (pg 5)
The NEW closing date and time for submitting tender has been extended from 2:00:00 p.m., Local Time, Thursday, April 18, 2019 to **3:00:00 p.m., Local Time, Tuesday, April 23, 2019.**

III. REVISIONS TO SPECIFICATIONS

1. Section 11316, Item 2.03.A – Submersible Pumps

For the acceptable manufacturer, replace “Flygt” with “Interpump” for the NSF-61 submersible pump, intended for the temporary shutdown applications. The local distributor contact is:

Stefanie Au
Interpump
580 Gartshore Street, Fergus, Ontario, N1M 2B2
519-843-4232 ext 202
1-800-265-9355 ext 202

stefanie@interpump.ca

2. Section 15000, Item 2.08. – SS Ball Valve – Small Line Isolation Application

Clarification: the SS Ball Valves need to be NSF-61.

3. Section 15000, Item 2.08. – SS Ball Valve – Air Scour Application

Clarification: For the air scour application, the SS Ball Valves need to be NSF-61 and able to be operable via an electric actuator. See Section 11007 and Dwg E101 for further requirements.

4. Section 15000, Item 2.13.J.2 – Eccentric Non-Lubricated 100% Port Plug Valves

Add to the list of alternate suppliers and model to include “Pratt Model 601” as per the attached equipment information sheet.

IV. REVISIONS TO DRAWINGS

5. Drawing E101 – Electrical Water Treatment Plant Power Layout

ADD Note 7 “For lighting Panel A (LP-A), install a 15A breaker on CKT-#21 to power remote IO panel. Label the breaker as ‘Remote IO Panel’”.

In the Section Detail “Typical Wiring Diagram for Motorized Valves”, delete reference to ‘PANEL-B’ and replace with ‘PANEL-A or B’.

Delete reference to tag “J” shown as the junction box between lighting panel and actuators and replace with the tag “Remote IO Panel”.

Delete reference to cables “2-#12AWG+GND in 21 dia PVC” and replace with “3-#12AWG+GND in 21dia PVC”.

ADD Note 8: “the Eramosa I&C drawings from **Addendum 1** are designed on the Bray actuators and any cost resulting from changes that need to be done if the General Contractor chooses an alternate named actuator supplier that is not the first named supplier (i.e. Bray) will be at the General Contractor’s cost”.

6. Drawing I101 – Instrumentation and Control Water Treatment Plant Remote IO Panel

ADD Note 5 “Use Ethernet cable (CAT6) to connect Remote IO panel (1769-AENTR module) to Main PLC panel. Route Cable along the wall with new conduits. Add expansion joints where necessary”.

V. RESPONSE TO QUESTIONS

- 1. Question:** Section 11316 Submersible Pumps calls for the supply of temporary submersible pumps for use during plant shutdowns, pumping water from the backwash supply tank to the effluent pipe during backwash, or other longer-term shutdowns. The pumps are to be turned over to the County at completion of the project for their use. These pumps are specified to be 575V, 3phase, 60Hz. Drawings do not show where 575V power can be obtained from for these pumps. Please provide electrical tie-in information for the pumps.

Response: Refer to added marked-up image 1 showing Splitter Box and Panels for information regarding electrical tie-in information.

- 2. Question:** Drawing P102, Note 7 County will provide injection quills for all chemical injection points noted on the drawings; and the Schedule of Additional Unit Prices, item 3 says to supply and install chemical injection quill system and a range of sizes (12 to 25mm). Who is to supply the injection quills, the county or the contractor? If contractor is to supply, please provide exact size required and specific manufacturer for the quills.

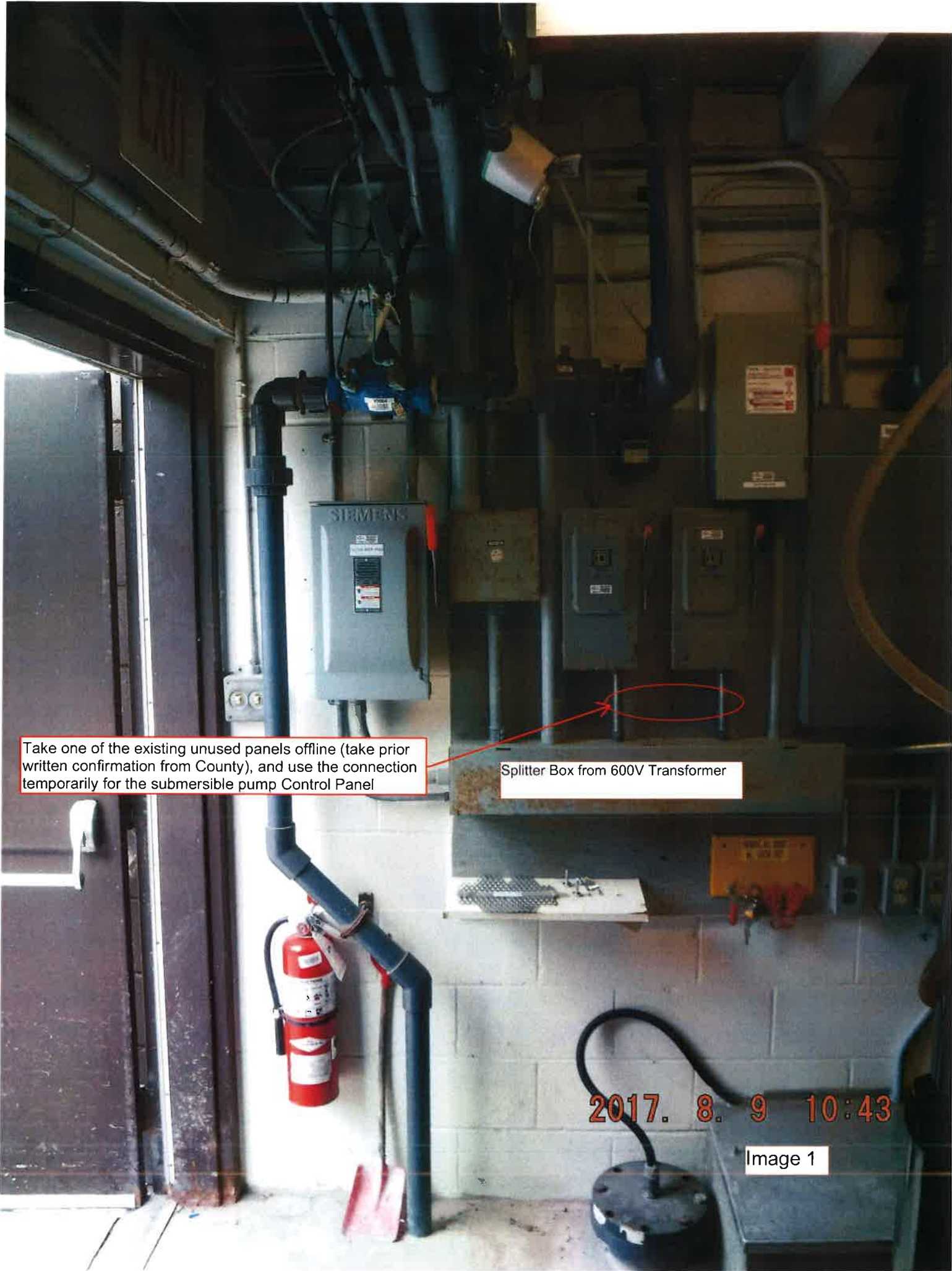
Clarification Response: As per Drawing P102, Note 7 County will provide injection quills for the chemical injection systems noted on the drawings. However, if County is not able to provide them during the project, include in the Schedule of Additional Unit Prices, item 3, the General Contractor is required to carry a price for supplying and installing four (4) 12mm and one (1) 25mm injection quills.

- 3. Question:** Drawing P102, note on upper piping plan says to extend chemical tubing to new injection points with new double lined pipes. Is this meant to say “double walled containment pipe system”? if so please provide manufacturer of the existing system so that it can be matched. Or is the new tubing simply to be run in a carrier pipe only.

Response: New tubing to run in a carrier pipe.

- 4. Question:** Section 13373:01 Flow: Confirm if a HART communicator is required and if so please provide HART communicator specifications.

Response: The County wants Flowmeters to be HART compatible / have the HART protocol. The County does not require a standalone HART communicator device.



Take one of the existing unused panels offline (take prior written confirmation from County), and use the connection temporarily for the submersible pump Control Panel

Splitter Box from 600V Transformer

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Image 1