

Solicitation No. EQ734-181253/A

Project No. R. 074854.001 New Gates and Barriers at Warkworth Institution, Warkworth, ON

Questions and Answers:

Question 2:

Drawing E2 has NOTES: 1 to 4 and specifically 4 point 1 and point 2; that would indicate that the new control components and gates are re-connected at the local area and the existing interconnecting feed wires are re-used. Please confirm.

Response 2: Points 1 and 2 refer to the circuits feeding the gate controllers or barrier controllers only.

For each gate:

1. Provide 3 - #6AWG + 1- Insulated ground wire from the gate motor to the gate controller.
2. Provide 2-#6 from the gate controller to the gate heater.
3. Provide 3-#12 from the gate controller to the limit box assembly.

For the barriers existing wiring shall be reused where possible.

Question 3:

Drawing E2 shows duct banks from four different gates to control panels but there is no listing of the number, size or function of conductors required in the duct. The Trench Detail on E4 only shows two conduits, one for telephone and one for Fire Alarm.

Response 3: For the wire sizing see the question above. Control wiring must be in a separate conduit from power wiring as per the current revision of the electrical code.

Refer to detail 5 on E-4.

Revise the comment '50mm FOR TELEPHONE' to read '50mm FOR POWER'. Revise the comment '50mm FOR FIRE ALARM' to read '50mm FOR CONTROL WIRING'.