

## ELECTRONIC ATTACHMENT 004

The following Questions and Answers have been provided:

Q1. Please confirm that the existing underground conduits from vault to buildings are sufficient, intact and are in good state for pulling the new fiber. Is there enough available spare room or spare ducts to complete this task?

A1. See general notes in drawing BC00\_E100, it is the contractor's responsibility to verify all existing underground vaults and conduits.

Q2. The specifications state that we are to use the existing conduit, in review of the panels the existing conduits are full, the new circuits required for the sounder strobes will be required to be installed in new conduit. Or what other options will be accepted to achieve the install?

A2. If it states to use existing conduits, it does not mean that it applies to all circumstances. For optical fiber cable runs, use the existing underground conduits. For new circuits of sounder bases, new conduits are required as specified in drawings.

Q3. The installation of the new sounder strobes being added to the network will have to be programmed for either the new or old panel or there will be a trouble on the panel until they are programmed. Will troubles on the panel be accepted over night or for a few days?

A3. Yes as long as we are made aware of when it is happening, for how long and when it will be resolved it is no problem.

Q4. With regards to the scheduling of the building to be worked in will the buildings be emptied for the duration of the install or will we have to work around the inmates. If it is confirmed that new conduit has to be installed there will be numerous areas that will require drywall removal and a period of time to make the repairs.

A4. In general the buildings will not be emptied and work will continue as usual. In areas where there will be a lot of disruption to staff or inmates we can discuss emptying the space. The exception will be the ranges in the Living Units where the inmates will be kept out for the day. The inmates can be out from approximately 8am to 4pm, but will return for lunch.

Q5. The commit was mentioned that if the existing pull stations do not meet the 1150mm to center AFF will have to be lowered, please confirm if the existing does not meet the requirement and how many?

A5. Only those relocated/replaced pull stations and new installed pull stations to meet the 1150mm requirement, numbers of those pull stations can be found and counted on tender drawings.

Q6. It looks like the existing fire alarm system is a class A loop but from what I could see, the returning the loop in the same conduit with no separation. Will this be allowed to stay or will it be required to rework to separate it.

A6. If the existing returning cable run in the same conduit, keep as it is.

Q7. Can we get some pictures of the existing panels, pull stations and locations of the new equipment?

A7. Please see electronic attachment 005, 006, 007 and 008.

Q8. Do we need to include for security guards or will it be provided by the institution?

A8. Security will be provided by CSC.

Q9. Please confirm if the existing cabling between buildings is encased in concrete protected duct bank.

A9. Yes, existing cabling between buildings is in concrete encased duct bank.

Q10. Would we be allowed to have an office trailer on site?

A10. Yes.

Q11. Would washroom facilities be available for the trade's personnel or should we provide?

A11. CSC will provide the washroom facilities.

Q12. Would be allowed a "Lay down" area for storage of material and any related construction equipment be allocated?

A12. Yes.

Q13. Is security clearances required for the trades personnel

A13. The contractor may be required to provide a police check for all of its employees.

Q14. As per drawing BC05 E200 (As a reference) it states "Provide fire watch if fire system is not operational" could you clarify what a competent fire watch person is? Can we use one of our personnel?

A14. No, fire watch will be provided by Beaver Creek Institution (BCI).

Q15. The intent of the project is to bring the fire alarm system up to a "Class A" system. As per CAN/ULC-ULC-S524-06 SECTION 3.3 SUB SECTION 1.3 In class A circuit wiring, data communicating link style C wiring, the primary wiring circuit and the alternate wiring circuit shall be installed in separate raceways or cable assemblies having a minimum separation of 300mm where the cables are installed vertically and 12000mm where installed horizontally.

A15. The above-mentioned class A requirement is for fire alarm closed-loop circuit wiring of each fire alarm system in each building. 'Class A' connections between fire alarm control panels in different buildings required in tender drawings can be achieved just by running cables in separate conduits.

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Q16. Would it be possible to get a detailed layout of the underground showing existing duct system to confirm that there in fact is the required conduits to achieve the class A system.  
We only had inspection of one man hole and it appeared that it may not have the required duct system.

A16. Tender drawings show existing underground existing duct routes, exact conditions to be checked and verified by contractor as indicated in drawings.

Q17. Would another site visit be possible prior to closing and if possible a extension to the closing date for bid submission.

A17. There will be no additional site visits and no extension to the bid closing date at this time.