

Amendment No. 016

Technical Question and Answer

| # | Question | Response |
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| 1 | Would a 1700 L pump chamber work in replacement of the 1800 L pump chamber – significant price reduction. | The 1,700L pump chamber is an acceptable replacement for the proposed 1,800L pump chamber. |
| 2 | It will not be possible to achieve back fall to pump chamber from the tile bed due to grade conflicts, therefore 50 mm pump line would always hold water. How should we proceed? | If drainback to the pump chamber or leaching bed is not achievable, the contractor shall insulate the forcemain to provide a minimum frost depth protection depth of 1.5m of equivalent cover. |
| 3 | Regarding the casing – no detail was provided for the casing sleeve material. What is proposed to be used? | If this is referring to the drilled well, the casing shall be installed as per O.Reg 903 standards and materials specified therein. |
| 4. | Could you please clarify if this is an acceptable alternative. I saw the latest Addendum for this project . Typically the drywall trims are vinyl or aluminum. We are unable to find a source for a stainless steel drywall Z reveal edge trim. If aluminum supplier is unavailable would an aluminum reveal be an acceptable alternative? | "Stainless Steel Reveal" is to be updated to "Aluminum Reveal" per Addendum 11. |

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| 5 | Can you please confirm if the new roadway lighting poles are mounted on concrete bases or are they direct buried? | Take note of specification details, E-108 (Type J light fixtures on Set 2, E-C- set) the new roadway lights are to be mounted on aluminum pole (refer to detail for additional pole requirements) with pole base plate spun aluminum cover. The intent is that poles be mounted on concrete bases. |
| 6 | Also can you please confirm how many ducts are in the duct bank that comes from Building PP64 to Manhole MH-E2 / MH-C2. Drawing E-1.1 points to detail 9/E1.2 which is 4 conduits shown in the first drawing package. But on drawing E-C-1.1 shows the same detail 9/E1.2 from the second drawing package shows 8 ducts. Please let me know what detail we should be following. | The duct bank detail on drawing E-C-1.1, detail 9/E1.2 Main Ductbank Detail showing 8 ducts total (4 ducts to MH-E2, 4 ducts to MH-C2) is the correct detail for the ductbank from Building PP64 to Maintenance Holes MH-E2 / MH-C2. |
| 7 | The specifications for Bentonite Waterproofing Panels note the following: Waterproofing shall be two high strength geotextiles interlocked encapsulating minimum 5.37 kg/sqm (1.10-lbs/sf) granular sodium bentonite. Membrane: 1.2 x 4.5m roll of interlocked geotextiles encapsulating a minimum 4.8 kg/sqm of granular sodium bentonite. Composite shall consist of one woven and one nonwoven polypropylene geotextile, interlocked using a needle-punching process that produces interlocks over the entire area of the product. | Please provide 5.37kg/sqm of granular sodium bentonite as per 1.2.1.. |