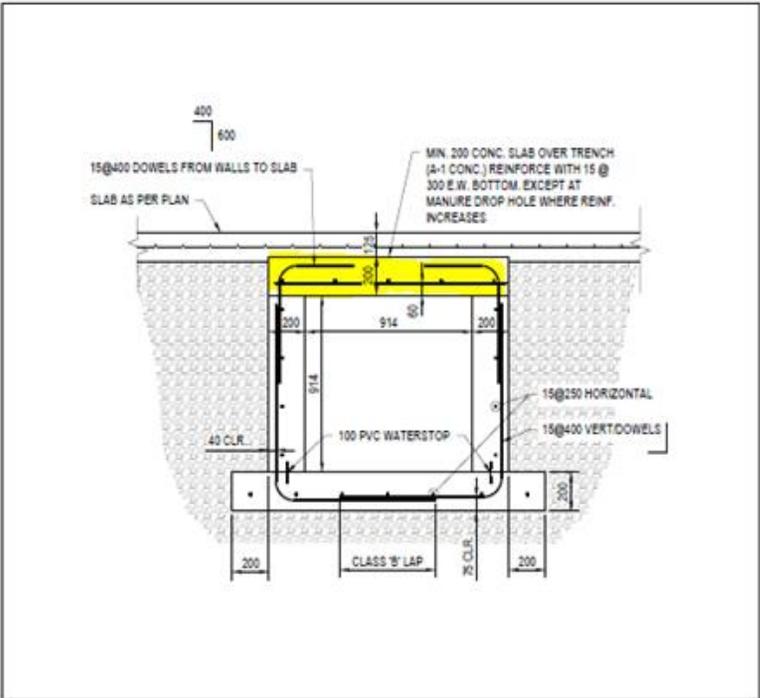
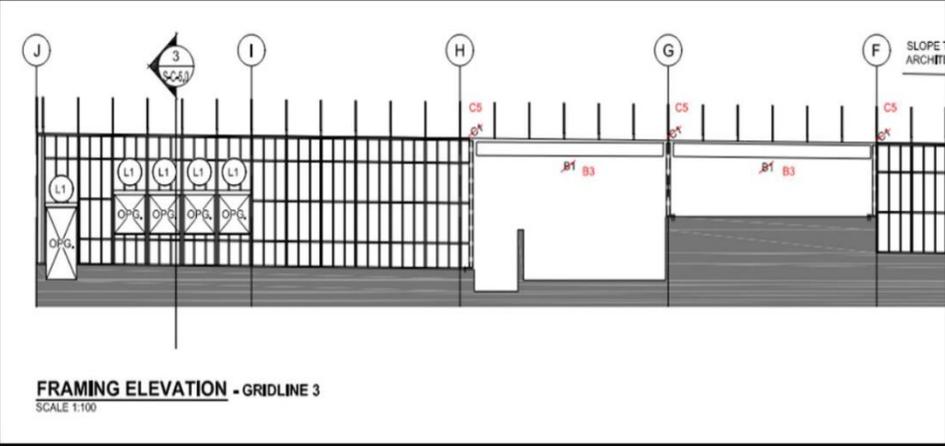


Amendment No. 008

Technical Questions and Answers

#	Question	Response
1	Would the engineer please provide invert elevations for the proposed Forcemain and Watermain pipe?	The watermain pipe invert will match the existing service at the tie-in and otherwise the invert shall be set a minimum of 1.5 meters below the finished grade along the watermain alignment. The forcemain inverts at the pump station and leaching bed will be dependant upon the precast structures provided and can be reviewed during the shop drawing review process otherwise the formain shall be a minimum of 1.5 meters below grade along the forcemain alignment The proposed sewage system forcemain invert from 1800L Pump Tank shall outlet above the inlet obvert (124.70m).
2	There is a Stormceptor noted to be installed at the Stormwater Retention Pond. Could you please provide the details for this structure?	Refer to the Stormwater Memorandum for requirements for the quality management device. See 191-08574-02-SWM Memo_2022.01.01
3	Subdrain is noted throughout the project, but appears note to have any exit points on site. Could you please clarify?	The subdrain is to outlet into the proposed stormwater retention area.
4	Service Plan shows 50mm Dia. Forcemain to be DR18, but this is not available in DR18. Specifications state that 50mm Forcemain can be Polyethylene Pressure Pipe Series 100. Could you please indicate the associated DR for this material?	A DR rating of 11 would be acceptable for HDPE series 100.
5	Water Services are marked as 75mm Dia. PVC DR 18 on the Service Plan, however this is not available in DR18. HDPE is an option within the specifications. Could you please confirm that 75mm Dia. HDPE DR11 is acceptable?	HDPE Series 100, DR9 would be acceptable.
6	Is it possible to have a new copy of Drawing C1.0 produced that includes contour lines at 0.25m increments and a scale bar? This is helpful to accurately calculate earthmoving volumes. Alternatively if we can get the file in CAD format, that would be even better.	Drawings will be provided with contours at 0.25m contours for the existing and the proposed plans. See Addendum 003 for Set 01 incl two contour drawings
7	The tunnel to be made out of pre-cast concrete in lieu of cast in place? If so, please provide any specs	The tunnel is to be cast in place as detailed.

<p>8 An alternative to a total pre-cast tunnel, could the top slab (see yellow highlighted section in screenshot below) be made of precast? The reason for this inquiry is the length and inside diameter of the tunnel making a very small confined space to strip after pouring. It would result in us having to make very small pours for the top slab in order to make stripping the top slab safe for our workers. Not only is it a confined space risk, it would be to do so many small pours. Precast is a much more efficient product in terms of installation and cost.</p>	<p>The tunnel is to be cast in place as detailed.</p>
<p>(35 cont)</p>  <p>The diagram is a cross-section of a tunnel. The top slab is highlighted in yellow. It shows a concrete slab with reinforcement. Labels include: '15@400 DOWELS FROM WALLS TO SLAB', 'SLAB AS PER PLAN', 'MIN. 200 CONC. SLAB OVER TRENCH (A-1 CONC.) REINFORCE WITH 15 @ 300 E.W. BOTTOM. EXCEPT AT MANURE DROP HOLE WHERE REINF. INCREASES', '15@250 HORIZONTAL', '15@400 VERT. DOWELS', '100 PVC WATERSTOP', '40 CLR.', 'CLASS 3 LAP', 'K CLR.', '200', '914', '814', '200', '200', '200'. A circular callout at the bottom left contains the number '9' and the text 'SECTION' and 'SCALE: 1:20'.</p>	

<p>9</p>	<p>Could you please clarify the following question in regards to Construction of Dairy Facility and Cattle Barn at Joyceville Institution? On drawing S-C-2.0 at GL's F, G and near H the columns are shown as C5 columns, on drawing S-C-3.0 they are shown as C1 columns, which are they to be?</p>	<p>The column and beam notations on the Structural Framing Plan S-C-2.0 are correct. The framing elevation for gridline 3 on drawing S-C-3.0 should be corrected to indicate column C5 at gridlines 3-F/G/H and beam B3 spanning between these columns. Drawing updated per Consultant Addendum 04 to Set 02</p>
<p>9 (cont)</p>		
<p>10</p>	<p>On Drawing AC-2.0 we see there are gates missing that are not showing on drawing for cow flow do we price only gates shown on drawing or include missing gates?</p>	<p>Gates have been intentionally excluded to be picked up during construction phase PSPC will coordinate between contractor and client (CORCAN). Price out just the gates shown on drawings. Future gates that have yet to be laid out will be subject to a change order as required.</p>
<p>11</p>	<p>What distance is the Manure pit/Tank from the manure room need this for pipe length</p>	<p>Distances can be measured from drawings in Document set 1 and Document set 2.</p>
<p>12</p>	<p>Dairy equipment list under section c1.1 it says condensing unit/ supply and install all equipment, materials to provide milk pre-cooling and refrigerated holding systems outlined on plans and schedule. Where is the plans and schedule for this so we can price?</p>	<p>All information can be found in document set 2 drawings. Refer to the following details/sheets: Detail 5/A-6.0, Detail 1/A-C-2.1 (item 4 on equipment list "Cooling Unit"), Detail 4/A-C-3.0 . Note term "schedule" refers to equipment list that accompanies Detail 1/A-C-2.1 as numbered keynote list. Specifications updated in 11 82 01 Dairy Equipment List per Consultant Addendum 04 to Set 02 to omit reference to schedule for item C1.1./Cooling Equipment/Condensing Unit</p>

13	Can you pls confirm the Air flow (L/S) and E.S.P (Pa) for the fans tagged F-01, F-02, F-03.	There are not any fans tagged F-01, F-02, F-03 in the mechanical drawings (please clarify which fans this question pertains). We can confirm that the exhaust fan schedule on drawing M-1.1 has units Airflow (L/s) and ESP (Pa)
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All other terms and conditions of the Invitation-to-Tender remain unchanged.