

**19-11-07 – Weekly Project Update #6**

**19015A – CD1 - Offsite Sewer and Water**

Work continued on the offsite sewer and water with work getting close to being completed. Valves were installed on the extensions of the force main and water main running parallel along Jack River Road. These can be seen below. Sand was placed and compacted with valve stem and markers installed.





As the road crossing was previously re-established and detour removed it was actively maintained to ensure that there wasn't any rutting or potholes in the reestablished road. The road is currently still delineated and will remain that way until construction activities are complete.



The truck fill building slab form work continued to be completed this pour will be occurring tomorrow Friday November 8, 2019. Due to freezing conditions the concrete poured will be heated and horded for at least 7 days or until the compressive break strengths return a suitable result. After this the building will be framed and completed. As has been discussed with the project team this truck fill will not be brought online until spring 2020 to ensure that it doesn't mistakenly get used and then allowed to freeze.

### **19015C – CD2 – Onsite Sewer & Water**

As mentioned last week the quarry continues to be pumped down and discharged into the low areas away from the project site. This operation will continue until the quarry is sufficiently drained or pumping operations cease due to freezing conditions. Last week it was stated that the drilling and blasting was completed however some additional areas of high rock were encountered and additional trench blasting was required to be completed. This area of high rock was located in the force main trench in front of the new Health Centre of Excellence and didn't interfere with any of the other work occurring onsite or delay any of the piping installation.



In preparation for the onsite lift station to be installed pipe alignments are marked on the rock and sumps are prepped in the event that ground water becomes an issue. The level compacted granular pad for the lift station base can be seen below.



Due to the size of the onsite lift station a tandem lift was required. Prior to this task being completed a JSA as completed and all workers completed a specific FLHA. As is the case with all lifts no equipment or persons was to enter the area below any suspended loads.



At certain locations along the pipe alignment installation significant amount of ground water was encountered. To manage this a sump was dug and a barrel surrounded by clean stone was installed. This clean stone and barrel allowed for the water to enter and not the mud and sediment allowing the pump to continuously dewater.



As lift station sections and manholes are installed, they are required to be insulated and heated to allow the sealing grout to set appropriately. This needs to be completed prior to the manhole sections being backfilled and can be seen below.



Respectfully,

Sean Campbell  
Project Manager  
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