

19-11-26 – Weekly Project Update #7

19015A – CD1 - Offsite Sewer and Water

As most of the work of on the off-site sewer and water project has been complete there was limited activity on this section. All work that occurred on this section are related to the truck fill building. On the truck fill building the piers for the slab had been poured previously and then the stainless-steel pipes and gravity drain feeding into and out of the building installed. Due to interference with the grade beam one the vertical stainless pipes needed to be modified. This can be seen in the picture below where a stainless elbow was welded into the pipe.



As the professional accommodations concrete has been the priority the slab for the truck fill building was delayed until this coming week. Heating and hording of the slab is significantly easier during colder temperatures. Currently the plan is to pour and finish the slab this coming week. Pictures of the slab and form work can be seen below.



19015C – CD2 – Onsite Sewer & Water

Over the past two weeks the sewer and water crew has continued progress. A significant ramp down in manpower and equipment occurred for one week while most of the crew completed their turn around however some tasks continued through. These tasks mainly included the drilling and blasting as well as the heating and hording of set and grouted manholes. Some of the hording of the manholes can be seen in the below picture.



As of Tuesday November 26, 2019, the final blast was completed for the piping alignments. JNR is working towards calculating the final quantities of rock that was drilled, blasted and excavated and comparing against the baseline bid that formed the Stipulated Price Contract. This data will be presented to the HCE project team in the coming weeks once the survey data is able to be evaluated. The drilling and basting crew will remain onsite and completed some small other blasts that will facilitate the HCE construction as well as ensure that if high trench bottom is encountered due to poor rock breakage while blasting it can be quickly dealt with.



The gravity sewer and water main have now been installed and backfilled up to the professional accommodations and back towards the onsite lift station. A picture of the piping installation looking towards the professional accommodations can be seen below of the crews completing this work under the assistance of light plants due to the short daylight hours experienced onsite.



Installation of the gravity sewer, force main and water main was continued to be installed along the access road in front of the new HCE. It can be seen in the below photo that clean stone has been used under the pipes for a suitable compacted base to aid in precise grade and ensure compaction.



As well the use of bedding sand and warning tape can be seen to ensure that the pipes are adequately protected in the stepped triple trench seen below.



Over the next week pipping will continue to be installed from the onsite lift station towards the off-site tie in. The mainline pipe installation should be completed in approx. 10-14 days with the service lines, valves and hydrants being completed approximately 7 days after that. The onsite lift station will be completed in conjunction with the offsite metering chambers, lift station and truck fill building which should be commencing the first week of December.

Respectfully,

Sean Campbell
Project Manager
JNR Construction