

19-09-24 – Weekly Project Update

19015A - CD1 - Offsite Sewer & Water

Over the last two weeks most of the work being undertaken was the tie in at the existing watermain and forcemain along Paupanekis Point Road. All drilling and blasting required, and tie ins have been completed on this side of the river at this time. Both metering chambers and all required valves have been installed with only the installation of the metering equipment remaining. This work will be completed in conjunction with the installation of the Lift station on the opposite side of the river.



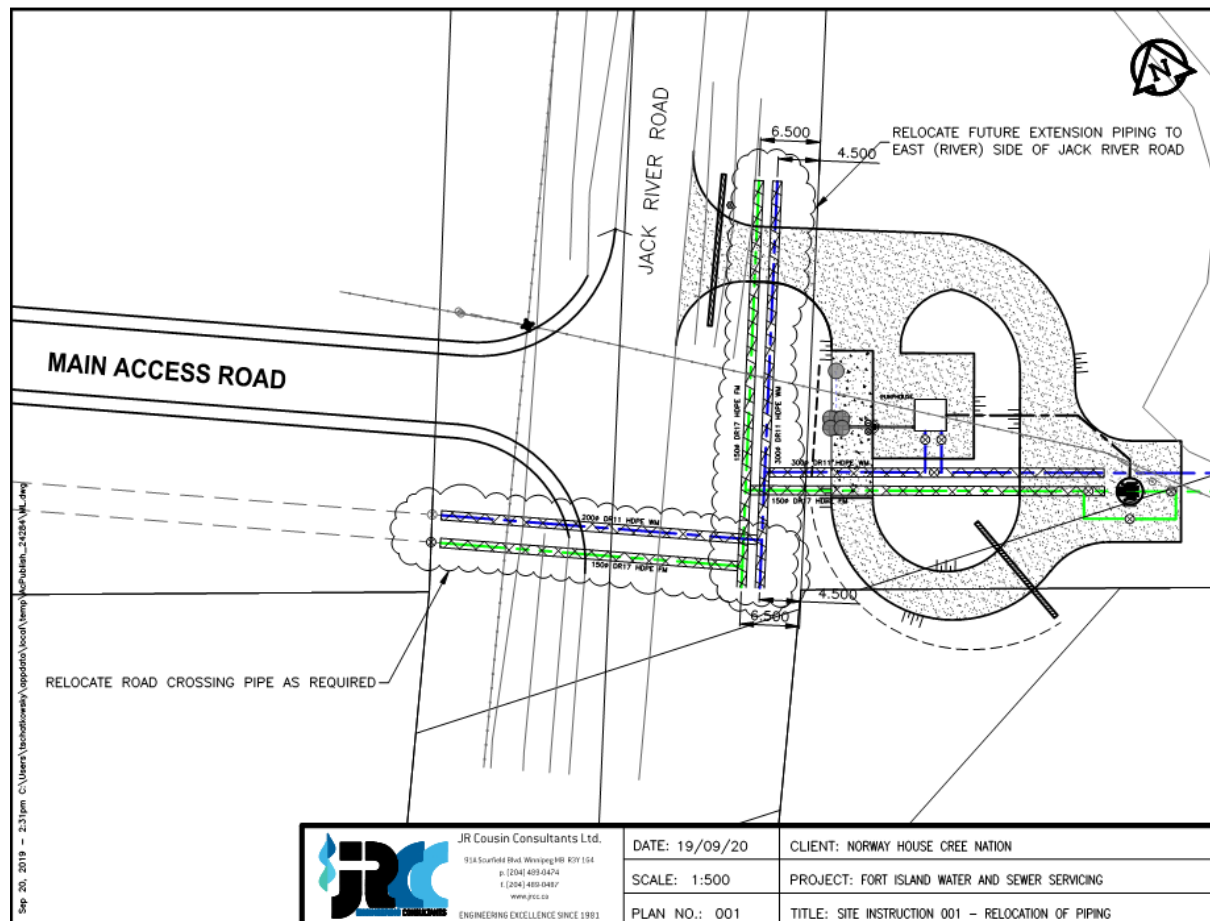
As can be seen below the area has been restored to final graded state and fully cleaned up.



Prior to this tie in work being completed the forcemain and the water main needed to be floated across the river and then weighted and sunk to the bottom. At this point all work associated with the river crossing and tie in has been completed.

Moving to the other side of the river where the truck fill, lift station and other metering chambers need to be installed most of the drilling and blasting along the main pipe alignment and road crossing has been completed up to the CD2 – Onsite Civil Contract boundary. The balance of drilling and blasting

needing to be completed will be to install the truck fill pad and piping as well as extend the forcemain and water main past the new truck fill approach. This work should be completed in the next 6-8 days. A sketch of this site instruction can be seen below.



Major work items that will be completed over the coming week are the commencement of the lift station installation and associated piping. This work will be occurring concurrently with the foundation work and piping works for the new truck fill station. Drilling and blasting will continue followed by the piping installation for the stub out past the new approach as shown. When drilling and blasting offsite is complete the crews will move to assist the other drilling and blasting crews completing the onsite drilling and blasting.

19015C- CD2 – Onsite Civil

The onsite work in conjunction with the drilling and blasting has started at Jack River Road and progressing through STA 1+800. This work will continue to advance further into the health center site. Waste stripping materials have been hauled away with suitable materials being stock piled onsite or used for construction activities. Specifically, additional surplus waste rock from the trench blasting has been used to fill low spots and for rock fill for the access road construction. Pictures of the main access road in from approximately STA 1+825 can be seen below.



The second access road has now been fully cleared with the initial rockfill lift being placed on top of geotextile. Due to the significant amount of peat and unsuitable materials that were stripped off it was necessary of JNR to haul a significant amount of material offsite. This material has been hauled to either the local housing projects if suitable or to waste at the PDC Yard site in an identified waste pile.



Near the new professional accommodations in the area where the new parking lots are to be established rock fill has been hauled in to create a rock laydown pad for the construction activities. This area will be later brought up to final grade with a combination of 4" material and traffic gravel and then paved at the completion of the project. For the construction period it is the intention to leave it as a gravel pad.



Moving forward over the next week the access road and rock laydown area will be finalized and leveled off by bringing in a limited amount of processed granular material. Drilling and blasting will commence at the onsite lift station as soon as the offsite drilling and blasting is completed and then work backwards towards STA 1+800. The only major outstanding issue at this point is the alignment of the piping and location of manhole for the final tie into the professional accommodations which JNR is expecting to receive sometime this week.

Respectfully,

A handwritten signature in black ink, appearing to read "Scampbell", written in a cursive style.

Sean Campbell
Project Manager
JNR Construction