



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 6

DECEMBER 3RD TO DECEMBER 9TH, 2018

Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	4	Heritage Resource TLU area 805.43- 805.93 147 - 151 Heritage Resource TLU 137 – 748 + 200 Heritage Resource TLU 143 DkMi-9 - 794 + 301 Heritage Resource 138 &, 139 - 751 + 400	Completed	Monitor at various stages of construction
Rock Formations (rocks of significance, tipi rings, etc.)				
Artifacts				
Bones				
Potential Gravesites				

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	1	VG 74 & VG 75 were stripped and placed in piles. Properly marked and roped off.	Completed	No
Aquatic Life				
Animal Observations or Burrows				
Bird Nests				
Trees (Red Willow)				
Wetlands				
Watercourse Crossing	1	An ice bridge is being constructed across the Pipestone Creek MB1010 for vehicle equipment crossing.	Ice Bridge is being constructed as per EPP	Monitoring

Additional Observations and Summary of Activities or Concerns

This week safety focussed on working around heavy equipment. Excavators, dozers and side booms are a few of the equipment used to construct the pipeline. Driving by equipment is a daily occurrence. Everyone is to stop and make eye contact with the operator before entering the vicinity. This ensures the operator has seen you. Signal or point in the direction you are heading and wait for the operator to acknowledge. Recognize (know) the blind spots and stay out to the swing zone. When walking on sites where heavy equipment is working. Make eye contact, stay clear away and do not stand downhill from any equipment working on slippery surfaces. Even a corked piece of equipment can slide. Heavy equipment is unforgiving and will cause serious injury or worst if it comes in contact with a vehicle or worker.

Our team continued monitoring 803 + 494 – Heritage resource TLU area 805.43- 805.93 West side of the Pipestone Creek – Fourth section of casing was cut off, the last 24m of product pipe was pushed through under the CN tracks and area of interest. 96m of product pipe was installed, the last sections of casing were bevelled (cut off) at the tail ditch. Night caps were welded on both ends of the product pipe. De mobbing of track equipment bore machine and augers were loaded and hauled to the laydown area. The entire area was de mobbed and cleaned up. Excavator loaded rock truck with clay to cover/build roach (ditch line). Excavator moved the topsoil pile and transition to make room for access across the creek. Topsoil was placed on geo teck with silt fence wing walls, all soils are separated properly staked and marked. Excavator filled in the tail ditch. Survey and engineering were on site to mark ditch line and stake for excavation. No foot traffic signs were installed at the area of interest roped of site. The two areas of VG 74 and VG 75 were stripped and placed in piles on the work side of the right of way. At the end of the week the track hoe started ripping ditch line for the tie in on west side of the entry bore bay. The area is filled with rocks and the ground is frozen the track hoe with the ripper completed 40m by the end of the week. at the laydown area equipment was loaded and hauled of site. Archaeologists and ICM's were on site all week

East side of the Pipestone creek the Heritage sign was put up on the south side of the ramp. The snow machine continued blowing snow onto the creek, and the snow cats pushed and levelled the snow pile. The snow is made from the creek water. The water is pumped from the creek with a screen set on the pump for water flow through only. Proper containment for spills are placed under the light plants and pump including spill barrels and spill kits. The crew worked around the clock to build the ice bridge across MB1010. Areas of the NLFR fence were removed. Surveyors continued to stake ditch line on this side of the creek as well.

Heritage resource TLU 137 – 748 + 200 Ditching was completed this week, pipe strung is along the right of way welded coated and prepped for lowering into ditches. AT 739 + 100 – 740 + 000 Archaeological sacred site (crown Land) Pipe was strung and welded along the right of way.

Continued to monitor at Heritage Resource 143 DkMi-9 - 794 + 301 45m Cradle bore - crew prepped last casing and pushed through under the CN tracks, the bore was pulled through and the excavator backfilled the false ditches. Welders prepped product pipe, equipment and rig were mobbed out and the area was cleaned up. Snow fencing with signage was put up around the excavated bore bays. Our team monitored Heritage resource site 144 & 145 797 + 015 The utility Crew continued fixing snow fences and geo teck wing walls, excavator was grading right of way. And at HER 146 DkMh-41 798 + 200 our team monitored the track hoe excavating ditch through the area, pipe was strung and placed on skids welded, coated, tested and prepped for tie ins.

Excavated ditch line and bell holes through 751 + 400 – 752 + 400 Little Pipestone Creek Heritage Resource 138, 139 – we walked the right of way to observe the fenced off area with the Bison Rock DiMi -3 east of SK W/C 87 – wetland SK 874. Tires were placed on the bridge over SK WC 87 for equipment to cross. The buffers are still up for the NLF. Piping is strung along the right of way prepped for tie ins.

Photos of Sites Visited & Topics Discussed This Week



805 + 500 Ripping ditch line



Making snow for ice bridge across Pipestone Creek MB 1010



805 + 567 re locating soil piles (Archaeologists & ICM on site) & note: foot traffic sign at area of interest



Counter bore on pipe 805 + 400



741 + 779 SF Excavating ditch



Pipe coding 756 + 081



Side booms holding product pipe 746 + 071



Product pipe ready for tie ins



Little Pipestone Creek ditching completed 751 + 400



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