

## **SGS MUSCOWPETUNG**

# **ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT** 

**SPREAD 6** 

JANUARY 14<sup>TH</sup> TO JANUARY 20<sup>TH</sup>, 2019



### **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)	3	SSKP 805.63 – 805.93 HER 150, 151 798 + 700 Her 146 Dkmh-41 802 + 500 Her 147,148,149 DkMh- 37, DkMh -40 and DkMh- 39.	Excavating ditch line, lowering pipe and tie ins.	Continue to Monitor
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				
Aquatic Life				
Animal Observations or Burrows				
Bird Nests				
Trees (Red Willow)				
Wetlands	6	SK 826 Class III SK 805 Class V SK 847 Shrubby swamp SK 876 Class IV SK 852 Class IV SK 869 Class IV	Monitoring Wetland excavation tie in/ backfilling/restoration	Continue to monitor the various stages of construction
Watercourse Crossing	1	SK - WC 85 (NFB)	Lowered in pipe tied in and backfilling.	Continue to Monitor



#### **Additional Observations and Summary of Activities or Concerns**

With the extreme cold temperatures this week, safety focussed on hypothermia and frost bite. Cold stress can occur when temperatures fall way below zero. Everyone was reminded to dress in layers and pay attention to hands feet and face for frostbite. Take warm up breaks and use the buddy system to spot signs of cold stress. Awareness on the job site and staying focussed during the extreme cold. We can make mistakes, errors in judgment or simply not pay full attention on the job. There is also a tendency to hurry rush in the cold that we do not recognize the obvious. Everyone received a copy of the extreme cold guidelines.

The spread 6 team monitored the west side of the Pipestone Creek this week SSKP 805.63 – 805.93 HER 150, 151 Completion of excavating ditch lines. Archaeologist and ICM's were on site to monitor excavation of ditch at 802 + 562 Her 149. 804 + 400 Track hoes completed excavating, and dozers moved soil into piles along the right of way. Pipe was lowered in and welders completed tie ins. The ditch was then backfilled with sand bedding placed on bottom for padding along wall sides and on top of the pipe. Our team continues to monitor this area.

East side of the Pipestone Creek Construction Manager facilitated a tour to Archaeologists and ICM's. At 805 + 770 Concrete coating and tests of the concrete were conducted on the section of pipe that will be placed across the Pipestone creek. The pipe was jeeped with repairs completed. Wire mesh, spacers and banded tin installed. With the cold weather the section of pipe was tarped, and heaters placed during the concrete coating. By the end of the week cementing of the section was complete. Crew removed the tarps and heaters and cleaned up the site.

Continued monitoring of the Little Pipestone Creek 751 + 400 - 752 + 400 Her 138, 139 dimi - 4, dimi-3 Our team continued to monitor the ditch excavation. Dozer ripped ditch, followed by track hoe excavating Track hoe worked west up to the top of the hill to the access road. Across the road utility crew placed geo teck over transition soil. Tires were placed on bridge for equipment to cross. Another sand pipe well was placed at creek bed to pump ground water draining into sand pipe. Hose was extended to silt bag. A sump pit was excavated on SE side. Track hoe loaded rock tuck with ditched material from the creek. The material was hauled to sump pit and unloaded. Riparian areas stripped on both sides of the creek and placed in separate piles. The hose hooked up to the pump pumping ground water cracked and the silt material in the hose leaked onto the ice surface, crew used scrapers to clean up the spilled material placed it on geo cloth and hauled it to the sump pit. The track hoe scraped up the remaining silt and hauled it to the sump pit. Geo teck was placed along North ditch line to catch drippings from the bucket excavating ditch. The environment was on site during the week observing the construction and ensuring proper mitigation. Bag weights were moved from the laydown area to the extra work space down by the creek. The area through the Little pipestone is very rocky, the rock mitigation was to place sand padding at the base of the ditch before pipe is lowered in and along wall and on top of the pipe once its lowered in the ditch. A pull head was welded onto the pipe lowered in. The bag weights were placed on top of the pipe. Rock trucks hauled sand to the area, the track hoe sand padded the bottom, sides and top of the pipe. Backfilling of the ditch line started at the end of the week.

Our team observed wetland restorations at 731 + 700 SK 805, 740 + 600 SK 847, 741 + 600 WC 85, 742 + 200 SK 852 and SK 869 The restoration process is ongoing throughout the right of ways.



Reclamation will take place later in the project SK 876 Class IV pipe was stung into the ditch with welders completing tie ins.

Additional monitoring included excavation of tie in ditch 802 + 600 HER 189 Archaeologist and ICM's on site, across access road monitored 801 + 500 - 802 + 500 HER 147,148,149 (dkmh 37, dkmh 39, dkmh 40) Excavating ditch through MB 1027, Geo cloth placed on top off upper wetland soil, spoil pile excavated and placed on top. Pipe is prepped and ready to be lowered and tied in.

Coating crew continued field inspections on pipe during the week. HD bore crew completed bore at 797 + 020 and 798 + 196. The road bore, and crossing are almost complete to the end of the spread. The night crew-maintained clean-up of the right of way, clean-up of debris t-posts and stakes and pumped water out of bell holes and ditches. Maintenance of the right of ways continues with restoration placing the roaches back on the ditch line. Our team continues to monitor the pipeline construction within the TLU areas and heritage site at various stages of construction.



# **Photos of Sites Visited & Topics Discussed This Week**



Side booms crossing Bridge at SK WC 87 Little Pipestone Creek



Excavating ditch line at Little Pipestone Creek SK WC 87









Lowering Pipe through excavated ditch at the Little Pipestone Creek







Geo teck and silk cloth placed for ground water pumped





Bag weight and sand placed over product pipe







753 + 300 Excavating wetland ditch at SK 876 Class IV



Pipe lowered into excavated ditch SK 876 Class IV





Backfilling Ditch SK 876 Class IV



805 + 150 Ditch excavated West side of the Pipestone Creek





805 + 150 Sand bedding placed in ditch bottom & pipe lowered in



Site tour of East side of the Pipestone Creek Archaeologists and ICM's





Ice bridge across the Pipestone Creek



Excavated ditch through MB 1027 – 802 + 500 - pipe prepped for lowering in



### **Approvals**

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