



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 6

NOVEMBER 19TH TO NOVEMBER 25TH, 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)	1	Pipestone Creek Area of interest will be bored under to preserve the location	Entry and exit bore pits are complete test bore completed final bore in process.	Yes, continue to monitor
Rock Formations (rocks of significance, tipi rings, etc.)	1	Pipestone Creek Area of interest will be bored under to preserve the location	Entry and exit bore pits are complete test bore completed final bore in process. .	Yes, continue to monitor
Artifacts				
Bones	Many	HER 151 SSKP 805.63 – 805.93	Archeologist tagged the bones for further assessment	NO
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	1	MB1027 Clay ramp constructed	Geo textile laid, and clay being placed on top	No
Watercourse Crossing	1	An ice bridge is being constructed across the Pipestone Creek MB1010 creek 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 weather conditions and ice fog in the mornings. Driving to work and back can be hazardous with the icy road conditions fog, animals and darkness. Our team takes extra precautions when travelling during these times.

The Pipestone Creek continued to be an area of interest for our team, Archaeologists and ICM's. At 805 + 304 the pile driver was set up and completed four piles 16 ½ m deep with 1m above ground for the valves. Pipe was welded sand blasted and coated at the laydown area. Welders corked equipment at the laydown area as well. Tackifying (soil stabilization) was completed throughout the pipestone creek area. 805 + 612 West side of Pipestone Creek – Bore equipment broke down again due to lines freezing up, Crew defrosted the lines and continued with the pilot test. they were having difficulty pushing past a rock in the bore path, Crew pulled the drill for the pilot out of the hole moved it over 16" and continued to drill the bore under the railway tracks and area of interest. Pilot pushed through and bore continued completing the 90m bore. The slurry was pumped out and gravel was placed at the bottom of the pit. Spider was installed to lead the casing through the bore. Welders prepped the casing with auger to bore while the side boom held the pipe in place. By the end of the week the casing was 21m through. The east side of the tracks Heritage Resource TRU 151 SSKP 805.63 – 805.93 area was surveyed and re staked. Excavator filled in a portion of the tail ditch. At 805 + 800 On the Pipestone creek crew continued to build the ice bridge across MB1010. Stairs were made down to the creek and a light plant was set up at the top of the creek bed with spill pans placed underneath both the light plant and pump. The water was pumped from the creek onto the ice surface for the bridge. Screens are set up on the pump for water flow through only. At 805 + 700 East side of the pipestone creek dozer was stripping topsoil at HER 151 SSKP 805.63 – 805.93 Archaeologists ICM's and ACM's were on site. The area was walked, various bison bones were found, tagged and bagged by the Archaeologist.

Observed the area at Her 189 802 + 550 Dozers were cleaning up right of way, ACM ICM and Archaeologist walked the area after the additional soil was moved. A primary flake was found by the Archaeologist the item was tagged for further assessment.

Monitored 802 + 050 – 802 + 500 Her 148 DKmh -42 and 149 adjacent to MB 1027 Wetland Class IV Brush was cleared to the South side and geo textile was stretch out throughout the wetland area. Clay fill was placed on top the ramp and wing walls were completed.

Our team Monitored 785 + 051 The Area of interest was still roped off and Heritage resource signage was still in place. Heritage Resource 140 Dkmi-4 between 786 + 950 – 787 + 860 is within this right of way on the South side. Access entry to the right of way in laydown area Pipe was welded, and road bore were excavated at 784 + 842, Cattle fencing was put up at the Stony Creek crossing WCSK 89 soil stabilization was completed all through the area.

Additional observations this week included soil stabilization completed on spread six by the end of the week., Observed the straw waddled placed between the soil piles and at access ditches to eliminate erosion. With all the stripping completed the soils are separated and piled into windrows all along the right of ways. The ditch lines have clay covering to help prevent complete freeze up of the ground. These rows will be excavated for the pipe. Pipe was loaded from pipe yards and strung along the right of ways and placed on skids. Pipe was welded coated and in certain spots bending was completed to maintain contour of the land. Access bores were excavated with the pipe installed at road crossings. Excavators dug the trenches and the side booms lowered the pipe into the ditches/trenches.

Our team will continue to Monitor the Pipestone Creek and additional areas through various stages of construction.

Photos of Sites Visited & Topics Discussed This Week



Ice Bridge across Pipestone Creek



Rock of interest and ceremonial cloth in trees at the Pipestone Creek



Archaeologist and ICM's walking the area and picture of the bones that were found at the Pipestone Creek





Soil Stabilization at the Pipestone Creek and Stony Creek



802 + 050 – 802 + 500 Her 148 DKmh -42 and 149 adjacent to MB 1027 Wetland Class IV



Pipe strung along right of way, side booms holding pipe and pipe placed in the ditches/trenches



Approvals

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Nov 25, 2018

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November 27, 2018

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November 30, 2018



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