



**SGS MUSCOWPETUNG**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 6**

**OCTOBER 15<sup>TH</sup> TO OCTOBER 21<sup>ST</sup>, 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)	2	Stony Creek Archaeological sacred site 805 +200 - 806 + 000 - Pipestone Creek HER 147 to Her 151	Sites are marked with Caution Heritage Resource. Roped off and marked.	Continue to monitor at various stages of construction
Rock Formations (rocks of significance, tipi rings, etc.)	2	Stony Creek – Rocks of interest Pipestone Creek – Rocks of interest	Areas are roped off.	Continue to monitor at various stages of construction
Artifacts	0			
Bones	0			
Potential Gravesites	0			

### Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	3	VG 75 Shining leaved arnica VG 76 Pincushion Beardtongue VG 77 Golden Bean	Buffer around the area and proper signage	No
Aquatic Life	2	Stony Creek – NLF Pipestone Creek – NLF	Frog fences are set up with signage	No
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	0			
Watercourse Crossing	2	Stony Creek SK WC 89 & SK WC 90	Properly marked with signage and no fuelling buffer within 100m	Continue to monitor at various stages of construction

## Additional Observations and Summary of Activities or Concerns

This week our team travelled to locations where crews were working to do observations, and areas that required monitoring. Daily morning meetings were attended, and our planning meeting was done daily. Bio security was completed daily with washing our trucks and spraying tires and boots. Equipment continued to use the wash stations set up at various locations. This procedure will continue until all the right of way is stripped and the ground is frozen. Crews continue to install environmental signage and clean up right of way daily.

Stony Creek SK WC 89 and SK wetland crossing 944 - 5 class III. Hydrovac crew daylighted holes on both sides of the creek. Slurry pits were excavated on both sides of the creek for excavated catchments. The fence for the leopard frogs is still up with the buffer area staked and signage. The area of interest to the South along the treeline is roped off. Entering from SF 138 matting is placed over the utility line for vehicle and equipment crossing Heritage area signage is placed on both sides of the creek. There is a no fuelling buffer within 100m of the wetland and water crossings.

Our team Monitored at the Pipestone Creek 805 + 567 The area is very rocky with a steep valley and MB 1010 Pipestone Creek wines north to south within this area. The entry to the SF 146b trail is fenced with signage, the power lines at the entry are marked with ribbon and signage for height - distance and voltage to notify the equipment entering on site. Matting was placed at entrance and three separate locations for the track hoe and dozer to crossover. Geo textile was placed under the matting and sand was used for ramping. Double matting was placed at the line crossings including the area hydro vac was completed to expose buried lines on east and west sides of the SF trail, plywood covering was put on top of holes, and fencing with signage was put up to encase the excavation. Wetlands 1033 are all properly marked with signage and staked buffers. 805 + 612 Slashing crew hands slashed the work space area west side of the creek and the track hoe cleared the brush to one pile, the labour crew cleared away by hand the remainder brush near the roped off area of interest. Heritage Resource - TLU - ID # 151 SSKP 805.63-805.93 This area was re surveyed for further alignment and our team roped off the entire area. A Heritage sign is placed at two locations stating (Caution Heritage Resource Restricted Access No ground disturbance without an Arky on site. Banister installed these signs at all the Heritage site locations. The 400m buffer fence for the Northern Leopard frogs is still in place on both sides of the Creek, the environment signage states (Attention Wild Life Feature - Northern Leopard Frog Zone notify EI before work and use caution with the 400m buffer) An additional sweep for frogs took place this week. Adjacent to the area of interest the track hoe keyed the edge and stripped topsoil using a spotter and the dozer pushed the dirt to the boundary and moved them into piles on the South side. Four Archaeologists and ICM's were present to monitor the excavating and walked the excavated area when stripping was completed SF 146a west across the railway tracks three rare plants are roped off, the area was stripped and graded with soils separated and rocks separated into piles. A slurry pit was excavated at the far north/south side of the right a way.

Additional observations included an aqua dam was constructed and installed at Wetlands SK 799 730 + 080 the topsoil and transition were stripped and segregated from class III potion of SK 799 wetland complex. Crews placed skids for piping for skid decks and the side boom lowered the pipe onto skids. Crews ramped access roads and installed, removed and replaced fencing. Stripping and grading continued with the power dozer moving east, the soil is separated and piled to the South of the right a way.

## Photos of Sites Visited & Topics Discussed This Week



Wetland SK 799 Aqua dam 730 + 080 – 730 + 225



Equipment lined up at 764 + 542



Power dozer and equipment at Stony Creek



West side of the Pipestone Creek



Spotting Track hoe at 805 + 600 Pipestone Creek



805 + 567 D6 Dozer and Track hoe



Pipestone Creek Track hoe stripping soil



Pipestone Creek ramping underground lines



Track hoe travelling on ramp at Pipestone Creek





Piping crossing SF road 112



SF 113 East ROW entry Piping set on skids

## Approvals

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Oct 21, 2018

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October 23, 2018

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October 23, 2018

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