



**SGS MUSCOWPETUNG**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD # 6**

**OCTOBER 8<sup>TH</sup> TO OCTOBER 14<sup>TH</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)	0			
Rock Formations (rocks of significance, tipi rings, etc.)	1	DIMI-3 Bison Rubbing Rock (HER-139)	Fenced off and marked	No
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	0			
Aquatic Life	0			
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	0			
Watercourse Crossing	5	The Little Pipestone Creek SK WC 87 - 751 + 781 Montgomery Creek WC 77 Drainage 712 + 000 Montgomery Creek WC 78/SK 753 712 + 883 Jackson Creek SK WC 88 777 + 594 SK WC 99	Bridges were installed as per crossing agreements	No

## Additional Observations and Summary of Activities or Concerns

This week spread six monitors travelled to site locations to observe and monitor various phases of construction on the pipeline.

Safety focused on driving, weather conditions, working around heavy equipment and the (green) new workers on site. The Buses that take the crews to work will all be equipped with amber lights.

Environment focused on the changing weather conditions - Soil separation with minimal disturbance for future restoration to natural state. Based on the moisture we had during the week the wetlands could change classes. Our team continued to comply with the bio security system.

The Little Pipestone Creek SK WC 87 - 751 + 781 (FB) Crews prepped for the bridge installation, Geo textile was placed on both the East and West sides of the creek, skids and matting were put in place and geo teck was put on top of the matting. Select clay from the excavated area was placed on top. The seventy-foot engineered bridge was installed at the end of the week and crews finished with geo textile wingwalls and access ramps on both sides were completed. Within this area the right of way is completely stripped and graded with soils separated in piles along the south side (topsoil seconds and clay are clearly identified). The DIMI-3 Bison Rubbing Rock (HER-139) and DIMI-4 Broken rock fragments are located on either side of the creek. The DIMI - 3 is located to the South of the bridge. A fence was put up around and along the right of way and a marker identifying the Rock. the fences for the leopard frogs are still in place. A fine wash station was set up at the access road west side. Throughout the week this wash station was busy cleaning heavy equipment compliance with the bio security system.

During the week our team travelled to the Pipestone creek 805 + 300 the area was re surveyed and staked to give our team proper alignment for roping of the area of interest. Our team also attended a ceremony. The rare plants are still properly roped off and the frog fences are still in place. Restricted access signs were installed (Heritage Resource Site).

Montgomery Creek WC 77 Drainage 712 + 000 the clear span bridge is completed, Montgomery Creek 712 + 883 SK WC 78 the clear span bridge is also completed. WC 79 - 716 + 321 un named Tributary to Montgomery Creek crews are in process of completing this bridge, geo textile, matting and skids have been set in place. All three bridges are clear span with no tree clearing, minor mowing outside of each buffer, all creeks were dry at time of assessment and during bridge installation. SK Marshes 753 and SK 754 are within the Montgomery creek area they are roped off and properly marked with signage.

Jackson Creek 777 + 594 observed bridge installations through SK WC 88 The topsoil had been stripped and access had been built to the east side of the CN railway. The bore bay was excavated on the South side of the tracks. Prep work for the bore under the Railroad continues.

Crews built a bridge over water crossing SK WC 99 The area was dry at time of assessment. A Ramp and culvert were installed with geotextile wingwalls at the approaches, under the ramps and continuous layer across the vehicle crossing.

Our team observed access approaches built at various right of way entrances.

The super dozer, graders and track hoes continued stripping topsoil and transition on right of ways, separating piles into topsoil, seconds and clay. At 729 + 467 crew installed a bridge over Enbridge corridor and prepped for the aqua dam. Our team observed the hydro vacs in different locations daylighting parallel lines to expose pipe and utility lines. The holes were filled with select material covered with plywood and fenced off. Slurry

pits were excavated ahead of the hydro vacs, the slurry pits were excavated separating the soils properly, roped off and signage was installed at each location.

Team six monitors moved forward on completing training modules, preventative maintenance and winterizing vehicles. Reviewing policies and procedures, attending daily meetings, filling in daily field level risk assessments and working safe.

## Photos of Sites Visited & Topics Discussed This Week



Little Pipestone Creek Prepping for the Bridge Installation



Little Pipestone Creek setting Bridge in place



Little Pipestone Creek Bridge Installed



Stony Creek one of three slurry pits excavated



Dozers stripping topsoil



Super Dozer



Heritage Resource sign at the Pipestone Creek



LITTLE PIPESTONE CREEK DIMI-3 BISON RUBBING ROCK (HER-139)



## Approvals

### Prepared by

*D. Masney*

Darlene Masney  
Senior Construction Monitor

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Oct 14, 2018

### Reviewed by

*J Roach*

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Joseph Roach  
Project Manager

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October 16, 2018

### Approved by

*Emmanuel Olotu*

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Emmanuel Olotu, P.Eng.  
Technical Manager, Geotechnical

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October 16, 2018

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