



**SGS MUSCOWPETUNG**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 5**

**JANUARY 7<sup>TH</sup> TO JANUARY 13<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	TLU Heritage Resource HER 134 & HER135	Ongoing	Y
Rock Formations (rocks of significance, tipi rings, etc.)	0			
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	Native Prairie Zone SSKP622.28-SSKP625.75	Ongoing	Y
Aquatic Life	0			
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	1	SK441, SK446	Ongoing	Y
Watercourse Crossing	2	SK WC68 & SK WC64	Ongoing	Y

## Additional Observations and Summary of Activities or Concerns

Beginning of the week, Banister crews continued with the ovality excavation and backfill process throughout the spread during the entire week, ovalities are a condition in which the internal diameter of the pipe is not consistent around the entire circumference of the pipe. (Think egg-shaped). Ovality can be measured by using Calipers. The process begins with a hoe operator clearing the roach on ditch side, then the hydro vac operators come in and daylight a slot trench locating the pipeline and finally an authorized hoe operator excavates exposing the pipeline. The hydro vac truck returns and is used to clear under the pipeline enough for the Caliper tool to measure the circumference of the pipeline by a qualified engineer.

Another area of interest where construction was taking place throughout the week was Water Course Crossing "Manybones creek" SK WC-64 SSKP581.81, located at this site is Heritage Resource HER124 and a wet land crossing, Banister finished up the spring mitigation clean up, installing erosion control devices on both sides of the creek. Erosion controls are devices utilized for controlling erosion from a work area to non-work area: such as silt fence, used during restoration or to assist with re-vegetation.

Returning to Water Course Crossing Chapleau Lake SK WC68, SSKP624.04 monitored the area when crews continued to clean up the de-watering site on right of way, removing geo tech and mats from the fill point. Labour crews removed the de watering pipe from the area cutting it into sections for transportation. There was a tie in by welding crews, so it was busy area by Saturdays end, clean up continues in this area.

Machine clean-up continues which the operators break down the sub soil and spread it out levelling the right of way and has reached the border of Native prairie zone SSKP622.28 which leads to the west side of Chapleau Lake which includes Heritage Resource TLU HER132 & HER133. Follow up in the next week.

## Photos of Sites Visited & Topics Discussed This Week



Ovality site SF33 east



Ramp removal SF26 east



Ovality excavation



Ovality site Caliper tool used to measure the pipe



Machine Clean up continues



Chapleau Lake East side – tie in section



Beginning of MLBV15 compaction area requires 6inch grade to lift

## Approvals

### Prepared by

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Jennifer Wolfe  
Senior Construction Monitor

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January 13<sup>th</sup>, 2019

### Reviewed by



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Joseph Roach  
Project Manager

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January 15<sup>th</sup>, 2019

### Approved by



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Emmanuel Olotu, P.Eng.  
Technical Manager, Geotechnical

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January 15<sup>th</sup>, 2019





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