



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 6

DECEMBER 17TH TO DECEMBER 23RD, 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)				
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				
Watercourse Crossing	1	Montgomery Creek tributary SK WC 79 (FB) Open cut and isolated for pipe installation. Backfilled, Seed mix and Erosion blanket installed	Completed (EPP)	No

Additional Observations and Summary of Activities or Concerns

This week safety focussed on secure loads. All equipment on personal trucks service and work trucks must secure the items they are carrying properly. The loads must be secured always even if driving a short distance. Driving/returning home for the holidays was another safety topic this week. With the holidays fast approaching everyone was reminded daily to keep mind on task not to become complacent and stay focussed. All the bell holes bore bays and open excavations must be fenced off and have proper signage.

Environment focussed on the wetland/WC restoration/ mitigation, backfilling and right of way clean up. During the holiday's all equipment must be parked 100m away from all wetlands/water bodies.

Our team followed up monitoring 803 + 494 – Heritage resource TLU area 805.63 – 805 .93 East side of Pipestone Creek. At the extra work space geo tech fabric was laid out, and matting was hauled in and unloaded at the site. To eliminate stripping of the area Geo tech fabric and over two hundred mats were placed on the ground for the extra equipment laydown area. Pipe strung along the right was prepared and ready for lowering in. On the west side of the Creek the track bore bay was backfilled. At the laydown area product pipe was prepared, coated and ultrasonic testing completed. Archaeologist and ICM's were on site throughout the week.

Montgomery Creek Tributary was monitored at 716 + 600 SK WC-79. At the beginning of the week the track hoe stripped/excavated south side ditch line. The Sk WC 79 soil was separated and placed on the work side. Seconds and clay were excavated and loaded in rock trucks then placed on the south side, pushed into piles with the dozer. Product pipe was prepared and strung along right of way ready for tie in. The ditch line was excavated up to the tributary. A steel plate was placed across the creek for isolation. The area isolated was then excavated. The pipe was lowered and tied in. Sand shading was completed with inspection of rock mitigation. The ditch line was completely backfilled before seed mix and erosion blanket were placed on top.

Our team observed the track Bore completion, pipe lowered in and tie in at 719 + 077 Langbank station.

Additional monitoring included observing the ditch wheel and ten track hoes excavate ditch line through 776 + 022 – 779 + 495 Jackson Creek area. Our team monitored the ditching and preparation of the pipe early in the week. By mid-week lowering in the pipe and tie in was completed. The week ended monitoring shading, rock mitigation and mainline backfilling.

Spread six has over five hundred tie ins to complete. Mainline ditching continues east with two ditch wheels followed by twelve track hoes.

Night shift continued to grade the right of ways and general clean-up including pumping water out of ditches.

The last day this week crews tightened up the right of way areas with making sure gates were closed, equipment was parked in areas away of any water sources or wetlands. All bell holes and ditches were roped or fenced off with proper signage. All crew working, and speed limit signs were covered up. And access roads were cleaned off from mud tracked off the right of way.

All pipeline activities will continue after the Holiday break.

Photos of Sites Visited & Topics Discussed This Week



Montgomery Creek SK WC 79 excavating ditch and tying in pipe.



Montgomery Creek SK WC 79 backfilling ditch line and erosion blanket placed over seed mix.



Pipe Stone Creek - Geo tech fabric and matting laid over area for equipment workspace & Track bore bay backfilled.



777 + 900 Jackson Creek area Mainline backfill and pipe shading.

Approvals

Prepared by

D. Masney

Darlene Masney
Senior Construction Monitor

Dec 23, 2018

Reviewed by

J Roach

Joseph Roach
Project Manager

January 4, 2019

Approved by

E Olotu

Emmanuel Olotu, P.Eng.
Technical Manager, Geotechnical

January 4, 2019



This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content of appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.