

**SAMSON CREE NATION – MATRIX SOLUTIONS INC.
PARTNERSHIP**

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

OCTOBER 22ND TO OCTOBER 27TH

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Aboriginal Monitors that are working on spread one. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for the weeks of October 22nd to October 27th, 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)	No Occurrence			
Rock Formations (rocks of significance, tipi rings, etc.)	No Occurrence			
Artifacts	No Occurrence			
Bones	No Occurrence			
Potential Gravesites	No Occurrence			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	No Occurrence			
Aquatic Life	No Occurrence			
Animal Observations or Burrows	No Occurrence			
Bird Nests	No Occurrence			

Trees (Red Willow)	No Occurrence			
Wetlands	No Occurrence			
Watercourse Crossing	No Occurrence			

Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison, Mel Abraham and/or the Senior Construction Monitor, Wennell Swampy. Additionally, the crew attended scheduled midweek meeting with Eric Foster from Matrix Solutions.

Weekly activities included spot-checking km: 68-70,75,81-84,88-91,94,95,100-108, 110,111,114-116,119,132,133,134, and shoofly: 21,25,28,31,34,35,37,41-44,46,48-52,54,55-57,59,60-65,70,72,82,83.

On October 22, the daily safety theme was fatigue and complacency. The weather forecast was clear. At SF 21, farmer's equipment was parked on ROW. At SF 25, utility crew was picking up geotec and marker stakes. At SF 31 and 37, rock pile at access needs to be removed. At SF 34, side boom was installing pig sender crew holding tag lines. At SF 41, dozer was spreading topsoil, excavator and dozer were working on the wetland, excavator was pulling topsoil, and dozer was pulling wood blocks to shape topsoil. At SF 42, lowboy was hauling rock truck, excavator was working on topsoil and dozer was spreading soil. At SF 43, excavator was working on seconds. At SF 44, monitors were informed that the ROW would be sealed until next year. At SF 48, excavator was working on topsoil. At 50, dozer was decompacting soil, excavators were working on ramp crossing, and a rock truck was hauling materials from ramp removal. At SF 57, dozers were working on drying out subsoil, a tractor was discing, and tires were noted as being too close to the highway. At SF 59, wetland AB-114 excavators, dozer and rock service trucks were onsite. At SF 60, cleaning station was set up. At SF 62, excavators were prepping for transition soil placement, and the clean up foreman and soil inspector were onsite. At SF 63, dozer was decompacting soil. At SF 64, graders were levelling, dozers were being re-fuelled, dozers were moving rig matting, tractors were rock picking, and soils were slightly wet at the hot line ramp. At SF 72, ROW was walked, geotec was piled for removal at access and medic was onsite. At SF 62 and 64, dozers were shaping and contouring soils.

October 23, the daily safety theme was complacency. The weather forecast was clear. At SF 49, geotec was piled at the access road and needs to be disposed. At SF 50, dozer was decompacting soil, and excavator was pulling geotec from wetland ramp. At SF 51, tractor/rotospik was on subsoil, long stick excavator was working on the wetland, dozers were back blading subsoil, excavator hot line ramp and geotec removal, and dozers were shaping and contouring ROW subsoil. At SF 54, excavators were working on topsoil, dozers were spreading seconds, the rock picking crew and tractor/discer were on the ROW. At SF 55, excavators were working on seconds. At SF 56, tractor/harrow was working on subsoil. At SF 57, dozer was setting subsoil to dry. At SF 59, dozer and excavator were spreading seconds. At SF 64, grader was shaping subsoil. At SF 65, ovality dig excavator was onsite, hydro vac was working around pipe and graders were levelling the ROW. At SF 70, excavator and dozer were prepping soil for ovality dig. At km 110 to 111, dozer was spreading soils, coconut mats were set for

erosion control, silt fence was installed for run off control and excavator was prepping for a second ovality dig. At SF 83, rig mats were at the access.

October 24, the safety theme was to take your time when driving, and absolutely no speeding. The weather was clear. At SF 21, seeding on the ROW was noted. At SF 25, access road backfill material for roadway onsite. Utility crew and skid steer were at SF 28. At SF 35, utility crew was installing wattles on the ROW. At SF 41, dozers and excavators were spreading out seconds, and excavator was working on wetland and ramp remediation. At SF 42, dozer was shaping subsoil, and excavator was working on wetland. At SF 43, dozers were spreading topsoil. At SF 44, dozer was working on soil to dry. At SF 46, excavator was loading marooka with soil to set aside for drying. At SF 49, dozer was spreading topsoil, and excavator was working on wetland ramp. At SF 50, tractor was working on decompacting subsoil. At SF 56, tractor was ripping and discing on the ROW, tractor was loading rock into bucket, crews were rock picking, dozers were shaping and contouring subsoil, and excavators were pulling excess topsoil from ROW edge. At SF 59, excavator was bailing out topsoil to dozer, dozers were shaping and contouring subsoil, and tractor was pulling rotospik. At SF 62, dozers were shaping and contouring subsoil. At SF 70, ROW was inspected at ovality site, hydro vac was day lighting pipe and excavator was being offloaded.

October 25, the safety theme was watch out for farmers. The weather forecast was sunny. At SF 41, dozers and excavators were spreading topsoil. At SF 43, lowboy was hauling dozer and utility crew was flagging traffic. At SF 48 and 49, access road geotec needs to be disposed of. At SF 50, excavator was loading rock truck, dozer was spreading material to dry, and geotec at the access road needs to be disposed. At SF 51, dozer was decompacting soil. At SF 53, access ramp was removed. At SF 56, dozers were shaping and contouring subsoil, and excavators were bailing topsoil out to dozers. At SF 58, rig mats need to be removed, harrow and discer were on the ROW. At SF 60, heli-pad site cleared soil was replaced. At SF 61, majority of topsoil have been replaced and the monitors inspected the ROW. At SF 63, tractor was pulling rock pickers, rocks were being disposed at the ROW access, excavators were bailing out soils to dozers, dozers were shaping and contouring subsoil, tractor was ripping soil for decompaction, and hotline ramp removal was noted. At SF 64, grader was levelling soils. At SF 65, grader was shaping subsoil. At SF 70, the monitors walked on the ROW at the ovality dig, excavators were stripping soil to prep, dozers were pushing soils, hydro vac was day-lighting pipe, excavators were digging hydro vac hole to create a ditch, clean up crews were also on the ROW. At SF 79, mechanic was servicing excavator, and excavator was spreading soil. At SF 80, excavator ramp removal and dozer was shaping subsoil. At SF 81, rig mats were piled at access for removal.

On October 26, the safety theme was vehicle safety. The weather forecast was clear with winds. At SF 41, dozers and excavators were spreading topsoil back on the ROW, and excavator was working on the ditch line putting topsoil back. At SF 42, excavator was bailing topsoil to dozers, and dozers were shaping and contouring subsoil. At SF 43, excavators were levelling the last of topsoil placement, and dozers were shaping and contouring topsoil. At SF 44, excavators were loading rock truck. At SF 45, lowboy was loading marooka and mini dozer. At SF 50, excavator was working on ramp removal at wetland, removing geotec, excavator was loading rig mats onto rock truck,

and tractors were discing on the ROW. At SF 51, excavator was working on ramp removal at wetland, and excavator and dozer were working on grade. At SF 52, dozer was stripping soils off of wetland matting at access, excavator was pulling wetland material off of wetland matting, excavator was removing geotec before bailing it out to dozer, and skid steer was loading wetland material before bailing it out to dozers. The wetland transition piles were scanned, the majority of piles do not have markers to determine what topsoil or transition soils are. At SF 54, tires are too close to the road. At SF 56, Paragon soil checking, majority of topsoil are replaced, excavator was picking large rocks from the ROW edge and tractor was ripping soil for decompaction. At SF 57, utility crew dozer was loading rocks into rock truck, excavator and dozer were pulling topsoil and seconds, topsoil was being spread out and rotospik was decompacting. At SF 59, excavator and dozer were pulling and spreading out transition and topsoil. At SF 62, dozer was compacting topsoil. At SF 64, dozers were being fuelled up, excavators were bailing topsoil to dozers to spread, graders were levelling and rock pickers were picking rocks. At SF 65, dozers were shaping subsoil. At SF 70, hydro vac was daylighting pipe for ovality, and excavator was digging the daylighted hole.

October 27, the daily safety theme was fatigue when working long shifts. The weather forecast was cloudy. At SF 41, tractor/discer was on the ROW. At SF 44, excavator was pulling mud and dozer was spreading to dry. At SF 50, access road wood and stakes need to be removed. At SF 49, surveyors were onsite. At SF 51, excavator was loading rock truck, and excavator and dozer were spreading seconds. At SF 52, medics were onsite, and long stick excavator was working on wetland ramp removal. At SF 55, dozer was working on final grade. At SF 56, ramp was being removed and oiler was flagging for traffic control. At SF 57, tractor/discer was on the ROW, and excavator was working on topsoil. At SF 64, tractor/discer was on the ROW, dozers were spreading out soil, oiler was picking up garbage, tractor was rock picking, and grader was levelling soil. At SF 65 and 67, dozer and grader were shaping subsoil. At SF 70, excavator/dozer were prepping for ovality dig, utility crew was setting up fencing as a barrier for the dig site, and dozer was replacing topsoil, and ovality repair was completed. At SF 71, medic was onsite. At SF 79, wood debris needs to be removed, excavator was spreading topsoil, and geotec needs to be removed. At SF 80, dozer/tractor harrow was on the ROW. At SF 82, rig mats were at the access, and needs to be removed. At SF 82, rig mats are ready for removal at access road. At SF 88, crimper was on the ROW.

The location of these features was documented and photos were collected (see below). No additional cultural or environmental features were observed within the scanned areas.

Photos of Sites Visited & Topics Discussed This Week



Dozer spreading out transition – SF 49– Oct 22, 2018



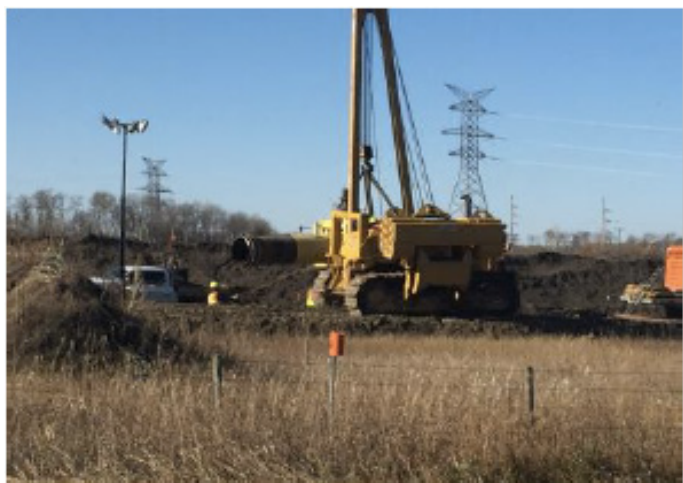
Tractor with discs at cleaning station– SF 60 - Oct 22, 2018



ROW prepped for rock picker– SF 64 – Oct 22, 2018



Levelling the ROW – SF 62 - Oct 22, 2018



Side boom installing pig sender - SF 34 – Oct 22, 2018



Wetland AB 114 – SF 59 – Oct 22, 2018



Rotospik on ROW – SF 51 – Oct 23, 2018



Crew working on ovality dig – SF 65 - Oct 23, 2018



Excavator pulling geotec on ROW – SF 50 – Oct 23, 2018



Wood and stakes debris – SF 72 – Oct 23, 2018



Ovality dig at Eyehill – SF 111+800 – Oct 23, 2018



Excavator and hydrovac dig – km 108+000 – Oct 23, 2018



Excavator working on wetland– SF 49 – Oct 24, 2018



Rotospik – SF 50 – Oct 24, 2018



Eyehill ovality dig– SF 70 - Oct 24, 2018



Dozer pushing topsoil – SF 62 – Oct 24, 2018



Excavator working on wetland - SF 41 - Oct 24, 2018



Excavator moving soil to dry out– SF 46 – Oct 24, 2018



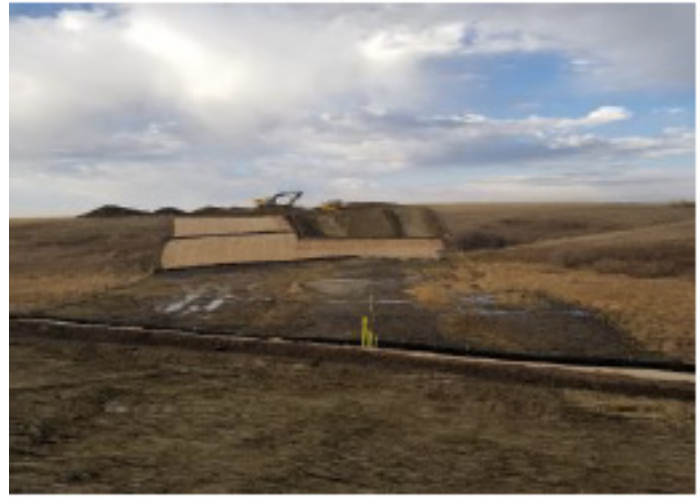
Ovality dig site – SF 70 – Oct 25, 2018



Ovality dig site – SF 70 – Oct 25, 2018



Eye hill ovality dig– SF 70 -Oct 25, 2018



Excavator prepping for ovality dig – SF 70 – Oct 25, 2018



Lowboy unloading and transporting dozer - SF 49 - Oct 25, 2018



ROW covered and completed with topsoil - Oct 25, 2018



Ramp removal - SF 50 - Oct 26, 2018



Excavator ramp removal - SF 51 - Oct 26, 2018



Tractor ripping topsoil for decompaction - SF 56 - Oct 26, 2018



Stripping material off of wetland matting - SF 52 - Oct 26, 2018



Ovality dig site - SF 70 - Oct 26, 2018



Ramp removal - SF 44 - Oct 26, 2018



Tractor crimping ROW - SF 89 - Oct 27, 2018



Excavator and dozer moving topsoil back - SF 79 - Oct 27, 2018



Second ovality dig - SF 70 - Oct 27, 2018



Tractor discing subsoil - SF 64 - Oct 27, 2018



Wetland ramp removal - SF 44 - Oct 27, 2018



Ovality dig - SF 71 - Oct 27, 2018

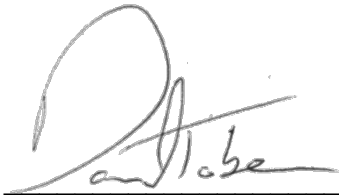
APPROVALS



Wennell Swampy
Senior Construction Monitor

November 5, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 5, 2018

Date