

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

OCTOBER 29TH TO NOVEMBER 3RD

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 29th to November 3rd, 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: 41,55,59,60,68,73,75,82-85,87,88,91-94,102,105,106,108,110,111,113-116,123,125-130,131,133,136,142,144, and shoofly: 28,30,34,36,37,41-45,48-53,56,57,62-70,75-83,86,89.

On October 29, the daily safety theme was communication with others, always be clear and informative. The weather forecast was partly cloudy. At SF 36 and 37, seeders were on the ROW. At SF 44, excavator was working on edges of ROW, dozer was shaping sub-soil, and wetland excavator was working on ramp removal. At SF 48 and 49, crane lowboy was loading flumes, and utility crew was flagging for traffic control. At SF 52, excavator was shaping sub soil before wetland ramp removal. At SF 56, dozers were shaping sub soil, excavators were bailing soil to dozer, and dozers were ripping sub soil to dry. At SF 57, crane was picking up rig matting from the ROW, and dozers were shaping and contouring soil. At SF 63, lowboy was loading blocks, excavator and dozer were working on seconds, and tractor/discer was on the ROW. At SF 69, excavator was offloading garbage, and grader was levelling on the ROW. At SF 70, utility crew was installing matting on topsoil, ovality dig was completed, and excavator and dozer were replacing topsoil at ovality dig site. At SF 75, geotec was scattered throughout 3m buffer, north of the ROW, strong winds were tearing the geotec under ROW access. Dylan walked the ROW and cleaned up some of the garbage. At SF 77, excavators and dozer were spreading topsoil, and geotec and woodpiles need to be disposed. At SF 79, dozer was working on final grade. At SF 80, tire pile at the access road needs to be removed. At SF 82, tractor and utility crew were prepping for rig mat removal. At SF 89, bale buster and crimper were working on the ROW.

October 30, the daily safety theme was heights and fall protection. The weather forecast was partly cloudy. At SF 50, 51, 63, 65, 69, 75, 77 and 79, excavators were spreading out topsoil. At SF 50, lath markers were left on the ROW edge, geotec pieces were scattered throughout the ROW, and subsoil was exposed through topsoil. At SF 51, excavator was digging up topsoil to dry, two excavators were prepping for ovality dig, wetland matting was brought to access, and skidsteer was removing geotec from soil. At SF 52, lowboy was delivering dozer and utility crew was on traffic control. At SF 63, excavator was pulling topsoil and spreading it onto ROW. At SF 64, excavators were bailing topsoil to dozers, and dozers were spreading it. At SF 67, tractor discer was working on subsoil, roto spik was breaking up clumps after grader work, and grader was shaping subsoil. At SF 68, geotec was removed, and grader was levelling topsoil. At SF 70, utility crew was putting up fencing on ROW, crews were installing coconut matting on the hillside, third ovality dig was completed, and soils were being replaced. At SF 75, rock picker was on the ROW. At SF 77, tractor was harrowing, and grader was shaping seconds. At SF 78, dozer was shaping subsoil. At SF 79, lowboy was removing rig

mats. At SF 80, geotec was removed from private property. At SF 83, bale buster and crimper were working on the ROW. At SF 81 and 86, cattle's fencing was down on the ROW.

October 31, the safety theme was parking at the worksite and to be aware of children since it is Halloween. The weather was partly cloudy. At SF 30 and 83, crimper and bale buster were on the ROW. At SF 43, dozers and excavators were on ovality dig. At SF 44, nine dozers and four excavators were working on sealing the ROW. At SF 45, dozer was spreading final grade. At SF 50 and 78, dozers were spreading topsoil. At SF 50, buried geotec and garbage were noted on topsoil. At SF 51, excavator was loading truck with geotec for disposal. At SF 52, longstick was fixing roach at the wetland, and dozer was shaping and contouring soils. At SF 57, excavators were bailing topsoil to dozers, dozers were shaping and contouring, roto spik was breaking up soil, and crews were picking up large rocks from the ROW edge. At SF 64, Triton Co. was checking out soil profiles, excavator was on ramp removal, geotec was removed and placed at the access, and majority of topsoil have been replaced. At SF 79, mechanic was servicing dozer.

November 1, the safety theme was watch out for farmers. The weather forecast was sunny. At SF 34, pipeline tie-in side boom, and excavators were holding pipe for weld. At SF 41, utility crew were installing wattles on the hillside. At SF 44, 51, 64, 65, 66, 77, and 78 dozers and excavators were spreading topsoil/seconds. At SF 45, utility crew was cleaning dozer at clean station. At SF 50 and 52, dozer was working on final grade. At SF 51, excavators were working on wetland, moving soil. At SF 52, utility crew were picking rock and wood debris, tractor with roto spik was delivered, and excavator was removing wetland ramp material. At SF 53, crews were picking up rock and wood debris, and skidsteer was back blading the ditch. At SF 56, utility crew were taking down stakes, and dozer was working on final grade. At SF 57, tractor was ripping soil, dozer was shaping and contouring, tractor was pulling roto spik and breaking up soil clumps, and crews were rock picking. At SF 62, tractor was prepping for seeders. At SF 63, seeders were working on ROW. At SF 64, excavator was loading rig matting onto flatdeck trailer, the majority of topsoil are replaced, and geotec and rocks were removed and placed for disposal. At SF 66, excavators were bailing soils to dozers, and Dylan picked up lath that was left along the ditch. At SF 70, hydrovacs were working at ovality site. At SF 76, grader was shaping subsoil. At SF 77, rig mats and flumes were piled at access. At SF 78, excavator was working on ramp removal, and oiler was flagging for traffic control.

On November 2, the safety theme was do not leave vehicles unattended when fuelling up. The weather forecast was snow. At SF 42, bale buster and crimper were on the ROW. At SF 44, excavator and dozers were spreading out seconds, and excavators were packing subsoil. At SF 45, excavator and dozer were replacing soil at ovality dig. At SF 48, ovality dig excavators were working on the ROW. At SF 49, geotec needs to be removed. At SF 51, wood debris needs to be disposed, marooka was loading geotec and unloading it at access, excavators and dozer was working on wetland ramp removal, and tractor roto spik was working on ROW. At SF 52, utility crew was cleaning dozers and soil testing was taking place. At SF 56, lowboy was loading excavator for transport. At SF 57, project material piled at access. At SF 64, excavators were bailing

out topsoil to dozer, dozers were levelling and oilers were picking up lath from ROW. At SF 65, excavator was bailing out topsoil to dozer, and dozer was spreading soils. At SF 68, graders were shaping and contouring. AT SF 72, hydrovac was emptying material.

November 3, the daily safety theme was slippery conditions. The weather forecast was cloudy. At SF 40 and 43, ovality dig was noted. At SF 44, excavator and dozer were working on seconds, and digging around day lighted pipe. At SF 45, hydro vac was day lighting pipe, excavator was digging day lighted pipe, dozers were pushing soils back from ovality dig, hydro vac was stuck on the ROW, and utility crew was flagging for traffic control. At SF 49, excavators were working on topsoil. At SF 48,49 and 51, access road geotec material needs to be removed. At SF 52, lowboy was hauling excavator, equipment needs to be removed and medic was onsite.

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



Tractor seeding on ROW – SF 36 – Oct 29, 2018



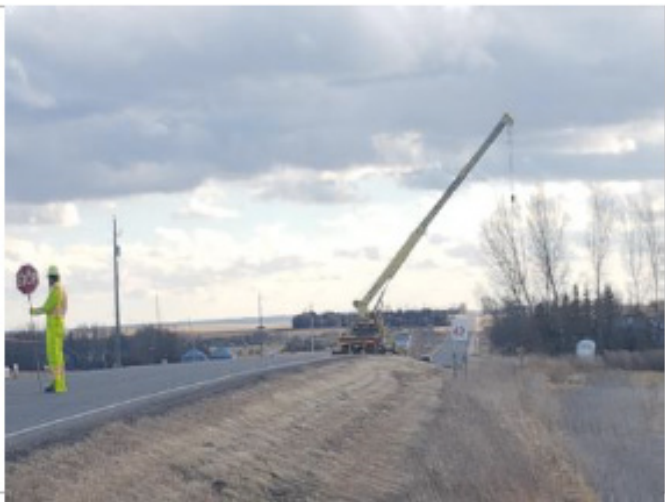
Ramp removal at wetland– SF 44 - Oct 29, 2018



Second ovality dig– SF 70 – Oct 29, 2018



Excavator roach shaping – SF 52 - Oct 29, 2018



Loading flumes - SF 48-49 – Oct 29, 2018



Lowboy loading wood blocks– SF 63 – Oct 29, 2018



Bale busting on ROW – SF 83 – Oct 30, 2018



Excavator pulling topsoil back on ROW – SF 79 - Oct 30, 2018



Crews placing mats for erosion protection – SF 70 – Oct 30, 2018



Topsoils replaced – SF 50 – Oct 30, 2018



Grader working on transition – SF 77 – Oct 30, 2018



Cattle fence down – SF 86 – Oct 30, 2018



Excavator fixing roach on wetland – SF 52 – Oct 31, 2018



Buried geotext and garbage found on wetland – SF 50 – Oct 31, 2018



Excavator loading geotext– SF 51 - Oct 31, 2018



Crimper on ROW – SF 30 – Oct 31, 2018



Equipment working on ovality dig - SF 43 - Oct 31, 2018



Dozer spreading out final grade– SF 45 – Oct 31, 2018



Excavators replacing topsoil – SF 51 – Nov 1, 2018



Dozer and excavator on topsoil – SF 77 – Nov 1, 2018



Topsoil placement– SF 66 – Nov 1, 2018



Excavators removing ramp material– SF 52 – Nov 1, 2018



Crew working on tie-in - SF 34 – Nov 1, 2018



Excavator working on ramp removal – SF 78 - Nov 1, 2018



Utility crew cleaning excavator - SF 52 – Nov 2, 2018



Lowboy transporting excavator – SF 56 – Nov 2, 2018



Hydrovacing test sites - SF 72 – Nov 2, 2018



Equipment track packing subsoil – SF 44 – Nov 2, 2018



Ovality clean up - SF 45 – Nov 2, 2018



Ovality dig – SF 51 – Nov 2, 2018



Equipment working on ovality dig - SF 40 – Nov 3, 2018



Lowboy transporting excavator off of ROW– SF 52 – Nov 3, 2018



Hydrovac prepping to day light pipe - SF 46 – Nov 3, 2018



Excavator digging to expose pipe – SF 44 – Nov 3, 2018



Equipment(18) to haul - SF 52 – Nov 3, 2018



Hydro vac stuck on ROW – SF 45 – Nov 3, 2018

APPROVALS



Wennell Swampy
Senior Construction Monitor

November 13, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 13, 2018

Date