

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

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 2**

**NOVEMBER 19<sup>TH</sup> - NOVEMBER 24<sup>TH</sup>**

## **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 two. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for November 19<sup>th</sup> – November 24<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)	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			

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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 Dean Pooyak, and/or the Senior Construction monitor Drayton Kasokeo.

Weekly activities included spot-checking km:

195,196,213,216,221,222,223,224,225,232,233,234,236,241,242,253-266; and shoofly: 123,134,136,139-144,148,149,150,151,154,155,161-168,170.

On November 19, the daily safety theme was evacuation safety; maintain a 6-metre buffer and ensure that equipment operators know you are in their danger zone. The weather forecast was overcast. At SF 170, track hoe was loading augers onto trailer, equipment was crossing and boring crew was at work. At SF 168, crews were loading equipment, and mechanic was breaking down booms. At SF 162, the mechanic was servicing the ditching wheel, track hoe was digging the ditch and grader was levelling off the ROW. At km 254+200, crews were lowering in. At km 253+600, the backfill crew was shading pipe. At km 256+400, the ditching wheel was digging the ditch, dozer was ripping frost for the track hoe, and a cement truck poured concrete for coating. At SF 161, lowering crew was lowering in a straight section through the ditch in the Native Prairie. At SF 141, tie-in crew was digging the tie-in ditch at Eagle Creek. The spill pile was screened after the excavators dug the tie-in ditch, but nothing of significance was found. At SF 140, tie-in backfill crew was working on the east side, and the tie-in ditch and bore bay was backfilled, and they started to build the roach on the ditch line for any setting. At SF 139, the tie-in crew were working on the tie-in weld on the west side, and the crew had the welder working on the final tie-in.

November 20, the daily safety theme was vehicle safety. The weather forecast was partly sunny. At SF 139, track hoe and dozer were moving dirt. At SF 141, the tie-in crew were crossing equipment through Eagle Creek, and the tie-in crew was breaking ice and monitoring water flow at the other side of the Creek. At SF 142, equipment crossing, grader was levelling; tie-in and track hoe was digging out a tie-in section. At SF 143 welding and equipment crossing were observed. At SF 148, hydro vac was exposing the hotline; the ditching wheel crossed on the east side of SF 163, and began to dig the ditch. At SF 161, excavator was shading with outlaw bucket to stop rocks from entering the ditch, backfill is completed at the bottom of the valley, and excavators and dozers were shading and backfilling. At SF 163, crews were crossing with the ditching wheel, lowering crew lowered pipe, crew was crumbing the ditch and track hoe was digging the ditch.

November 21, the daily safety theme was to do a complete walk around before entering and operating vehicles and equipment. The weather forecast was sunny with some foggy conditions. At SF 141, track hoe was moving dirt, the wheel ditcher was digging the ditch, and crews were pre-jeeping pipe and crumbing the ditch. At SF 142, tie-in crew and welders welding the tie-in section. At SF 149, crew was crossing equipment. At SF 162, excavator was shading and backfill crew was working east to west, and the mechanic was servicing the ditcher. At SF 163, lowering crew was working east, the

track hoe was digging the bell hole, the ditcher was working on the east, and the long stick track hoe was crumbing the ditch. At SF 164, excavators were digging on the east side.

November 22, the safety theme was fatigue management. The weather forecast was sunny. At SF 134, backfill tie in, mechanic was servicing equipment, equipment was crossing, excavators were putting subsoil back and dozers were levelling the ROW. At SF 136, tie-in crew and equipment crossing was noted. At SF 141, crew was pumping water at the aqua dam, and track hoe was loading rock trucks with ice. At SF 142, tie-in crew was observed. At SF 162, mechanic was servicing equipment. At SF 163, backfill crew was moving dirt. At SF 165, three track hoes were backfilling the ditch. At SF 166, excavator was digging the ditch. At SF 167, lowering crew, track hoe was digging the ditch, crew crossed with the ditching wheel, and two track hoes were digging the ditch.

November 23, the safety theme was complacency. The weather forecast was windy. At SF 170, welder was welding on the track bore before being pulled, and welders were welding the bore pipe. At SF 168, the ditching wheel was at work, dozer was pushing and moving clay from where the excavator was digging, and crews were crumbing the ditch. At SF 167, excavator was digging the bend out for the lowering in crew. At SF 166, the lowering in crew was working east, excavator was plugging out the ML ditch for lowering in, grader was levelling and excavator were backfilling. At SF 165, the backfill crew was working east, and grader was fixing the entrances of the ROW. At SF 162, the mechanic was servicing equipment. At SF 141, two track hoes were digging the creek section.

November 24, the safety theme was watching out for co-workers, especially when they are asking questions. The weather was cold, and cloudy. At SF 168, backfill crew was shading and backfilling pipe. At SF 162, track hoes were digging the tie-in section, welders were welding above tie-in and dozer was pulling a trailer. At SF 155, track hoes were digging the tie-in. At SF 154, tie-in crew was observed. At SF 151, final tie needs to be completed, and rock truck was dumping sand. At SF 150, final tie-in open was ready to be cut and welded. At SF 149, tie-in welders were welding. At SF 149, tie-in crew and welders were at work. At SF 148, x-ray was working on the ditch, and tie-in on the corner bend. At SF 144, tie-in crew was prepping for tie-in. At SF 143, the ditch was dug for section to be lowered in for the tie-in crew. At SF 141, equipment was crossing to assist with backfill, and the backfill crew dozer and seven excavators were cleaning up in the heritage area, and pumping water. At SF 123, the tie-in crew was fitting weld, backfilling tie-in section on the east side, track hoe was shading, and the hydro vac was day-lighting hotlines.

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**



Digging ditch at heritage site - km 254+400 – Nov 19, 2018



Dozer ripping frost - km 255+850 – Nov 19, 2018



Digging tie-in ditch – km 222+670 – Nov 19, 2018



Tie-in backfill excavator in Stranraer Valley– Nov 19, 2018



Lowering-in crew waiting on ditch – km 253+900 – Nov 19, 2018



Excavator plugging out mainline– km 255+900 – Nov 19, 2018



Tie-in crew weld – km 224+590 – Nov 20, 2018



Excavator taking out ice at Eagle Creek – Nov 20, 2018



Shading pipe – km 254+000 – Nov 20, 2018



Checking water flow – km 222+100 – Nov 20, 2018



Digging ditch – km 259+300 – Nov 21, 2018



Removing ice – km 221+975 – Nov 21, 2018





Mainline section ready for lowering in – km 260+300 – Nov 21, 2018



Excavator shading pipe – 255+625 – Nov 21, 2018



Backfill ditch – km 258+000 – Nov 22, 2018



Lowering in pipe – km 262+631 – Nov 22, 2018



Ditching wheel working – km 262+800 – Nov 22, 2018



Tie-in weld in the ditch – km 216+800 – Nov 22, 2018



Track bore – km 266+700 – Nov 23, 2018



Digging ditch – km 264+350 – Nov 23, 2018



Excavators digging ditch – km 264+500 – Nov 23, 2018



Lowering-in crew waiting on ditch – km 263+800 – Nov 23, 2018



Cleaning up and backfilling – SF 141 – Nov 24, 2018



Excavator shading backfill – km 195+500 – Nov 24, 2018

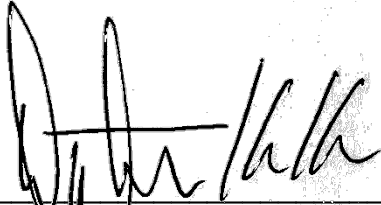


Backfilling creek section – km 222+300 – Nov 24, 2018



Backfill– km 264+550– Nov 24, 2018

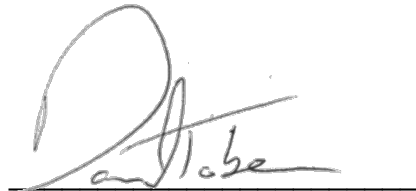
**APPROVALS**



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Drayton Kasokeo  
Senior Construction Monitor

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November 28, 2018

Date



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Daniel Tober  
Senior Environmental Scientist

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November 28, 2018

Date