

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 2

NOVEMBER 26TH - DECEMBER 1ST

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 26th – December 1st, 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 Dean Pooyak, and/or the Senior Construction monitor Drayton Kasokeo.

Weekly activities included spot-checking km:

195,221,222,223,224,225,227,228,229,232,233,234,236,237,240,241,242,243,245, 252,253,255,257,259,260,262,264,265,266; and shoofly: 121,139,141-146,148-151, 154,155,156,160-170.

On November 26, the daily safety theme was congestion on the ROW; do not park in congested areas. The weather forecast was overcast. At SF 141, tie-in crew was noted. At SF 149, tie-in crew, mechanic and tie-in welders were observed. At SF 151, track hoes were moving dirt and tie-in welders were on location. At SF 155, track hoes were digging out the tie-in section, crews were prepping for tie-in, and welders were onsite. At SF 160, track hoes were digging, and dozer was moving dirt. At SF 162, bore crew, hydro vac was day lighting hotlines, and Excalibur survey was monitored. At SF 168, hydro vac was day lighting hotlines, track hoes were digging tie-in section, crews were crossing equipment, picker was loading pipe, and mechanic was servicing equipment.

November 27, the daily safety theme was lighting, please ensure that there's sufficient light in work areas. The weather forecast was overcast and windy. At SF 121, rubber tire hoe was working. At SF 139, track hoe and dozer were levelling the ROW. At SF 141, the tie-in crew were prepping, welders were welding for tie-in, crews were pumping water, track hoe was digging the tie-in section, picker was loading materials, and mechanic was servicing equipment. At km 224+743, tie-in crew was lowering in, and track hoe was cleaning up the ditch. At SF 143, dozers were levelling off dirt on the ROW. At SF 144, tie-in crew was noted, track hoe was shading tie-in section and dozers and track hoes were moving dirt. At SF 148, excavator was heading ML at tie-in to the road, dozer was pushing the spill pile for excavator for the final tie-in, dozer was working on the east side, and tie-in crew was welding in the ditch. At SF 149, tie-in crew was welding at tie-in. At SF 151, tie-in crew was welding in the ditch, and excavator was loading rock truck with clay for transport. At SF 153, dozer and excavator was backfilling at tie-in. At SF 155, tie-in crew was welding in the ditch, and excavator was crossing to the east side. At SF 162, Don met with Kara Wolfe, and crews were offloading equipment. At SF 163, boring crew and track hoes were digging bore pits.

November 28, the daily safety theme was driving in the changing weather conditions. The weather forecast was overcast with some foggy conditions. At SF 161, the monitors met Kara Wolfe, bore crew mob in was monitored, crews were setting up pump station, crews rolled out geo tec, and crews were building containment for light plants. At SF 164, two booms were moving pipe, crews were crossing equipment, and fuel equipment was being fuelled up. At SF 165, dozer and booms were crossing the road. At SF 166, two hydro vacs were day lighting hotlines, track hoes were digging the ditch for tie in, dozer was moving dirt and excavators were cleaning up the ROW and putting back the natural grade. At SF 167, track hoes were digging out tie-in sections. At SF 168, track

hoe was digging the bore pit, dozer was moving dirt, crew was crossing equipment, crews were prepping for tie-in, mechanic was servicing equipment and a welder was welding above ground tie-in. At SF 168, grader was grading ROW. At SF 169, excavator was digging bell hole for tie-in, three excavators were digging ML ditch, and tie-in crew were welding onto the bore bay stub. At SF 170, excavator was digging the ditch and dozer was pushing clay and soil into spill on the offside, and welder was measuring cut for final weld onto the slip bore.

November 29, the safety theme was wildlife. The weather forecast was foggy and overcast. At SF 168, track hoe was digging the bore pit, dozer was moving dirt, crew was coating pipe, equipment was crossing and tie-in prep was noted. At SF 166, hydro vac was day lighting hotlines, and the bore crew was digging out the tie-in section. At SF 162, track hoe was loading ice onto rock truck, and track hoe was moving pipe weights. At SF 161, mechanic was servicing equipment, track hoe was loading rocks onto rock truck, track hoe was digging the ditch for a tie-in section, and fencing crew was installing a fence for the cattle. At SF 160, track hoe was digging out the tie-in section, and tie-in prep was taking place for the welders. At SF 156, tie-in crew were welding a section in the ditch for final tie-in, excavator was cleaning the ditch out for tie-in crew; also, the east side needs to be tied-in. At SF 150, excavator was moving dirt (hydro mulch was sprayed) off of the ROW edge, and backfill and dozers were putting back the natural grade. At SF 149, dozer was crossing, and excavator was digging out ML ditch for tie-in bend. At SF 145, booms hooked up to section and hot bend welded onto section on the east side. At SF 142, excavators and dozers were putting back the natural grade, and tie-in crew was tying a 90-degree left bend section in the ditch. At SF 141, excavators were moving the spill pile to dozers to clean up the ditch line, and put the soil back through the Heritage area.

November 30, the safety theme was complacency. The weather forecast was overcast and foggy. At SF 141, two track hoes and a dozer was levelling off the ROW and cleaning up, and grader was levelling off. At SF 143, crew was crossing equipment. At SF 146, track hoe was levelling off the ROW, and meridian survey was on location. At SF 154, track hoes were moving dirt. At SF 156, track hoes were digging out the tie-in section, crews were prepping for tie-in, and welding was taking place. At SF 160, track hoe was moving dirt and crew was prepping for tie-in. At SF 166, track hoes were digging the tie-in section under the hotline, dozer was moving dirt, grader was levelling and mechanic was servicing equipment.

December 1, the safety theme was to know your exact location, in case of emergency. The weather was cold with sunshine. At SF 170, tie-in crew was welding, track hoe was moving dirt, mechanic was servicing equipment, and equipment was being moved off of the ROW. At SF 166, track hoe was moving dirt, and booms were being lowered into tie-in section under hotline. At km 265+500, tie-in crew was working, and two booms were doing a tandem lift for tie-in, and then lowered into ditch. At km 262+631, excavator was moving dirt, and tie-in crew put in a section in the ditch, to be welded and tied-in. At km 260+560, crew moved equipment, and crew was lowering in the tie-in section at km 260+700. At SF 164, Medcor services were on location, hydro vac was day lighting hotlines, and crews were loading equipment. At SF 162, excavators were

digging through the Heritage area (at the creek), dozers were pushing clay, crews were pumping water and track hoe was digging out a tie-in section.

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 tie-in section - km 221+185 – Nov 26, 2018



Tie-in at heritage site - km 221+890 – Nov 26, 2018



Levelling the ROW – km 222+670 – Nov 27, 2018



Lower in tie-in section – km 222+600 - Nov 27, 2018



Excavator shading tie-in – km 232+800 – Nov 27, 2018



Rubber tire hoe working – km 195+500 – Nov 27, 2018



Digging bore pit – km 265+060 – Nov 28, 2018



Containment for plants – km 255+150 - Nov 28, 2018



Excavator digging bell hole through rare plant area – SF 169 – Nov 28, 2018



Lining up the cut – SF 170 – Nov 28, 2018



Dozer and excavator levelling ROW – km 223+600 – Nov 29, 2018



Digging ditch for tie-in – km 227+900– Nov 29, 2018



Digging bore pit – km 265+160 – Nov 29, 2018



Loading ice and installing aqua dam –km 255+300– Nov 29, 2018



Levelling off ROW and clean up – km 221+920 – Nov 30, 2018



Digging tie-in section – km 262+631 – Nov 30, 2018



End tie-in – km 266+760 – Dec 1, 2018



Lower in tie-in section under hotline – km 262+640– Dec 1, 2018

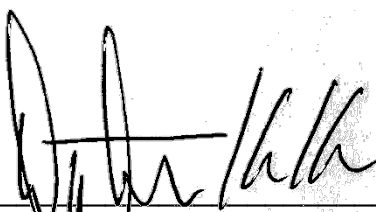


Heritage area and Creek crossing – SF 162 – Dec 1, 2018



Excavator digging mainline ditch – SF 162 – Dec 1, 2018


APPROVALS



Drayton Kasokeo
Senior Construction Monitor

December 10, 2018

Date



Daniel Tober
Senior Environmental Scientist

December 10, 2018

Date