

**SWAN LAKE FIRST NATION – MATRIX SOLUTIONS
INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

SEPTEMBER 10TH TO SEPTEMBER 15TH

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Indigenous Construction Monitors that are working on spread eight. 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 September 10th to September 15th, 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)	N/A			
Rock Formations (rocks of significance, tipi rings, etc.)	N/A			
Artifacts	N/A			
Bones	N/A			
Potential Gravesites	N/A			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	N/A			
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	N/A			
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

Weekly activity included attending daily safety meetings and to continue to check access points on the ROW and checking: SF 43, 43A, 44, 44A, 45, 47, 48.

September 10, 2018 - Safety included: Slips, trips, falls, driving conditions, congested sites, wildlife, distracted driving and fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100 ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections.

Weather forecast: Sunny with a high of 23

Attend morning meeting. SF 43A Top soil stripping was taking place. Dozers worked to strip the top soil and pile it on the South side of the ROW. SF 43 Flaggers were onsite crossing two excavators and one dozer. Proper PPE was worn. SF 44 (KP 984+835) Top soil stripping and approach installation taking place. Dozers stripped the ROW and piled soil on the South side of the ROW. Dozers had spotters in area. Crew members placed culvert in proper area and laid out CAEPLA cloth overtop of the culvert. An excavator and a dozer worked to place and compact the soil to complete the approach. Silt fencing was also installed. SF 44 (KP 984+923) Top soil piles were checked, none exceeded the boundary line. Seconds pile was kept separate from top soil pile. SF45 Cat making approach on West side, Grader moving transition. SF 47 Approach finished on East side. Goal posts are also done. Pads dropped off for the approach on West side. SF48 Tractors discing. Goal posts up on West side.

Work Forecast: Continue to monitor construction as well as wetland habitat, water courses and traditional land use areas. Sweep culturally sensitive areas, post top soil stripping.

September 11, 2018 – Safety included: Slips, trips, falls, holes in certain places from badgers and other animals. Dusty roads.

Weather forecast: Cloudy and warm with a high of 24.

Environment: Fine clean and bleach when entering a new RM or land owner requested wash. ROW assessment by foremen before crews enter site. Attended morning safety meeting. Top soil and Grading crews are the only crews working. SF47 Laying out geotec for approach on East side. SF44 Caterpillars stripping topsoil. SF48A Silt fences and approaches and goal posts completed. SF48 Caterpillar pushing up topsoil. SF 44A (KP986+746) Dozers working to strip the ROW, spotters onsite to help operators stay within boundary lines. Garbage on the ROW, food containers, water bottles were picked up. SF 44 (KP984+900) Excavator fixing top soil piles, oiler moving along with the machine. SF 44 between KP 983+300 and KP 983+500 some top soil was over the boundary limit. Bigger chunks of soil I moved off by hand, Michael Jespersen was contacted in order to deal with the rest of the soil over the boundary line.

Work Forecast: Continue to monitor construction as well as wetland habitat, water courses and traditional land use areas. Sweep culturally sensitive areas post Top soil stripping.

September 12, 2018 - Safety included: Slips, trips, falls, holes in certain places from badgers and other animals. Dusty roads. Driving conditions, Congested sites, Wildlife, Distracted driving, Fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections.

Weather forecast: Cloudy with sunny periods with a high of 16

Attend morning meeting. SF45 Caterpillars pushing up topsoil, doing clean job. Approaches and fences look good. Grader moving transition to side. SF47 Approaches and silt fences done. SF 19 (KP936+720) Road boring crew onsite pumping water out of excavation pits into Geo-Tech cloth bags to filter the soil out of the water. Geo bags are placed North and South of the ROW in the ditches. SF 35 (KP 967) Cultural sensitive area was swept for any signs of traditional or cultural heritage objects/tools, none were found. *During ROW stripping a Rare Plant (Blunt-fruited Sweet Cicely) was stripped along with the soil it was on. Soil containing plant material was kept separate from other soils and was fenced off and signs were put in place. Survey crew was onsite staking the ROW, all proper PPE was worn. SF 24 North side of the road Pipe bending was taking place. Side boom assisted Pipe bending machine by holding pipe in place while the process of bending the pipe occurred. Once completed pipe was placed on skids. SF 46 Equipment cleaning was taking place. Crew members worked to clean off bigger chunks of soil from the tracks of the equipment with hammer drills and chisels. Machines proceeded to the next section of cleaning which was being sprayed down with compressed air to rid what-ever loose soil is on the equipment. The equipment then entered the final step of the cleaning process. Equipment was washed with pressure washer and bleached once wash was complete. All crew members were wearing the proper PPE requirements for each section of the cleaning process.

Work Forecast: Continue to monitor Wetland Habitat, Traditional Land Use, Water course crossings, and heritage sites.

September 13, 2018 - Safety included: Slips, trips, falls, holes in certain places from badgers and other animals. Dusty roads. Driving conditions, Congested sites, Wildlife, Distracted driving, Fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections.

Weather forecast: Plus 10 very wet

Attend morning meeting. Shut down for the day due to last night rain.

Work Forecast: Continue to monitor Wetland Habitat, Traditional Land Use, Water course crossings, and Heritage sites.

September 14, 2018 - Safety included: Slips, trips, falls, driving conditions, congested sites, wildlife, distracted driving and fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch

out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections.

Weather forecast: Cloudy with a high of 10

Fine clean and bleach when entering a new RM or land owner requested wash. ROW to muddy for most crews. Sent home Work Forecast:

September 15, 2018 - Safety included: Safety included: Slips, trips, falls, driving conditions, congested sites, wildlife, distracted driving and fatigue. Stay 2x the length of tree being cut for safe distance. Watch for farm equipment on roads, Watch for dust up on dirt roads. Stay 100ft away from Mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Watch out for vehicles in uncontrolled intersections.

Weather forecast: Cloudy with rain showers and a High of 12.

Got to SF43, Sent home by Indigenous Liaison due to ROW and weather conditions.

Work Forecast: Day off.

Photos of Sites Visited & Topics Discussed This Week



Sept 10/18
Photo facing West
SF 43 Access
Excavator crossing road with flaggers in place



Sept 10/18
Photo facing east
SF 44 (KP984+923)
View of top soil and seconds piles.



Sept 10/18
Photo facing South East
SF 45 East side of the road
Semi unloading access mats



Sept 10/18
Photo facing west
SF 48



Sept 10/18
Photo facing east
SF 43A



Sept 11/18
SF 44
Cats piling topsoil



Sept 11/18
Photo facing West
SF 44A KP 986+746
Dozers stripping the ROW



Sept 11/18
Photo facing East
SF 44 (Between KP983+300 and KP 983+500)
View of top soil exceeding the limit.



Sept 11/18
Photo facing East
SF 44A cleaning station
Excavator being cleaned by compressed air and water



Sept 12/18
SF45 Facing West. Silt fence and cutting of edges.



Sept 12/18
SF47 facing North. Silt fence geo- tec and pads laid down for approach to be covered.



Sept 12/18
Photo facing South East
SF 19 (KP936+720)
Water being pumped into Geo bag.



Sept 12/18
Photo facing North
SF 24 North side of the road
Pipe bending taking place.



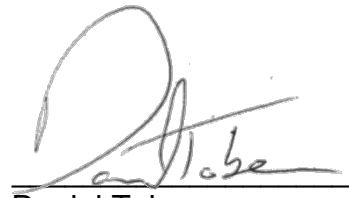
Sept 12/18
Photo facing North West
SF 35 (KP967)
Rare plant material fenced off and kept separate from other soil piles.

APPROVALS



Justin McKinney
Senior Construction Monitor

November 13, 2018
Date



Daniel Tober
Senior Environmental Scientist

November 13, 2018
Date