

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

AUGUST 27TH TO SEPTEMBER 1ST

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 August 27th to September 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)	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 continue to check access points on the ROW and checking SF, 31-33, 35, 35A, 36, 38, 40A,41.

August 27, 2018 - Safety included: Slips, trips, falls, 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. Weather forecast, Cloudy High of 15. Fine clean and bleach when entering a new RM or land owner requested wash. Stay off ROW to prevent getting stuck or causing ruts. SF 31 (KP961+03) Excavator and dozers continued to strip toil soil from the ROW and pile the soil on the Southern part of the ROW. SF 31 East side on road equipment cleaning was being performed. Crew members cleaned off Rig mats before equipment pulled onto them. Crew knocked off big chunks of soil with track shovels and then sprayed down with compressed air. All appropriate PPE was worn. Crews putting up silt fences. SF36 Approach done and silt fences are good. SF37 Caterpillar stripping topsoil for approach. SF38 Logging in progress. SF40A Line locating and Approach installation taking place. SF 41 North side of Hwy 23 Hydro Vaccing was taking place. Crew was line locating foreign utilities. Crew members wearing appropriate PPE for the scope of work being performed. KP(978+351) Hydro Vac being used to locate foreign utilities. Once locate is complete crew staked, fenced off, and covered the hole. All appropriate PPE being worn. (KP978+61) Approach installation is under way. Excavator stripping topsoil on the boundary line while Dozer piled top soil on the south side of the ROW. Crew members laid out CAPELA cloth in the ditch before soil was placed on top for the approach. Goal post installation was performed at access.

A Salamander was found on an access road South East of Glenboro. Salamander was not found on project but they are in the area.

Work forecast: Continue to monitor wetland habitat, water courses, and traditional land use areas. Check Top soil piles and silt fencing.

August 28, 2018 – Safety included: Slips, trips, falls, 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.

Weather forecast, Cloudy High of 15.

Fine clean and bleach when entering a new RM or land owner requested wash. Stay off ROW to prevent getting stuck or causing ruts. Watch for conditions of the ROW. Arrived at SF 32. Crews were shutting down due to rain. Indigenous Liaison Gerald Scott informed us to shut down early as well due to rain, field conditions, and ROW

restrictions. Work Forecast: Continue to monitor wetland habitat, water courses, and traditional land use areas. Check Top soil piles and silt fencing.

August 29, 2018 – Safety included: Slips, trips, falls, 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 High of 15. SF 38 North side of the Road. Senior and Junior monitors swept through area that has been cleared by mechanical logging. During the sweep there was no signs of any. Traditional or Cultural heritage objects within the ROW. *On request from Swan Lake First Nation and Community Liaison Gerald Scott, I went to Spread 9 to sweep a culturally sensitive area with their Senior Monitor. Swept the width of the ROW in two separate areas, looking for any signs of cultural or traditional objects. No signs were found. (KP1026+400). At KP1027 a metal object was found (See attached picture), Senior Monitor from Spread 9 documented object. SF 33 Top soil stripping was taking place. An excavator was stripping top soil in preparation of installing an approach. Top soil was piled for later use for installing the approach. Excavator had a spotter onsite during operation. Work Forecast: Continue to monitor wetland habitat, water courses, and traditional land use areas. Check Top soil piles and silt fencing. Check culturally sensitive area at SF 36.

August 30, 2018 - Safety included: Slips, trips, falls, 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. Weather forecast, Sunny high of 29. SF 38 (KP 975) Culturally sensitive area swept for any signs of traditional land use or cultural heritage objects before mechanical logging took place. No signs were found. Junior monitors arrived onsite late afternoon for arrival of Mulcher. Site was monitor during construction. SF 36 (KP 969+200) Mechanical logging taking place onsite. Site is a culturally sensitive area. Work area was swept for signs of cultural heritage and traditional objects in parts of the sensitive area where they were not working and when equipment was shutdown. Excavators were used to pull stumps and load them into dump trucks for disposal at another location. Skidder collected, piled trees, and shrubs for an excavator that was placing wood into the Wood Chipper. Wood was chipped into awaiting semi. SF 35-35A Top soil stripping was taking place onsite. Site is a culturally sensitive area. site was swept several days before construction took place a cow bone was found in work area. No other signs of traditional or cultural objects were found. Site was too congested to enter on the ROW. Construction was monitored from road allowance. Excavators worked to strip top soil from hill while dozers pushed and piled soil on the Southside of the ROW. Bridge instalment on the Cypress River was in the process of being completed. Work Forecast: Continue to monitor wetland habitat, water courses, and traditional land use areas. Check Top soil piles and silt fencing. Monitor culturally sensitive area at SF 36, SF 38.

August 31, 2018 - Safety included: Slips, trips, falls, driving conditions, congested sites, wildlife, distracted driving, fatigue. Watch out for vehicles in uncontrolled intersections. Weather forecast; Sunny high of 29. Junior monitors sent to SF 38 (KP975) to monitor Culturally sensitive area. Government road 30N, East of 35A. 3 cows got out of fence and were walking down the road. Cows were guided off the road to avoid being hit by traffic. Construction Specialist was called to contact Lands. SF 36 (KP969+500) Top soil stripping and Mechanical logging was taking place. Excavator piling rocks out of the way on the South side of the ROW. Excavators also pulled tree stumps/roots and loaded tandem trucks for disposal at another location. Dozers pushed and piled top soil to the South side of the ROW. Top soil piles are within the boundary line. Seer logging was onsite hauling bucked up trees off site. Culturally sensitive area was swept a few days prior to construction. Site was swept where ever machines were not working and at a safe distance. No signs of tradition or cultural objects found. Work Forecast: Continue to monitor wetland habitat, water courses, and traditional land use areas. Check Top soil piles and silt fencing. Monitor culturally sensitive area at SF 36, SF 38.

September 1, 2018 - Safety included: Slips, trips, falls, 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 100 ft away from mowers. Stay back 150M from mechanical logging equipment. Watch out for busses on rural roads and school zones. Weather forecast Sunny high of 29. Junior monitors sent to SF 38 (KP975) to monitor culturally sensitive area. SF 36 (KP969+500) Top soil stripping taking place. Excavators continuing to pile top soil on the South side of the ROW. Boundary lines were checked, none exceeded the limit. Area was swept for traditional/cultural heritage objects none were found. SF37A access, Crew was onsite cleaning an excavator with hammer drills and chisels. Once tracks are free from soil the excavator will be sprayed down with compressed air. Environmental team is onsite to document the cleaning and inspect once completed. SF38 (KP975) Access and Topsoil crew on the North and Southside of the road. Approach being installed on the North side of the road. Crew laid out CAPELA cloth and Geotech cloth on the ground, access mats were placed at the front and the back of approach. Soil is to be placed on top. Silt fencing being installed. Top soil stripping taking place on the South side of the ROW. Excavators stripping the edges of the ROW. Dozers piling top soil on the Southside of the ROW. Work Forecast: Day off

Photos of Sites Visited & Topics Discussed This Week



Photo facing East
SF 36 (KP969+200)
Photo of Culturally Sensitive area.



Photo facing East
SF 36 (KP969+200)
Excavator loading stumps into tandem trucks.



Photo facing South
SF 35 South side of the road. (Cypress river crossing)
Excavators stripping top soil from hill. Dozers piling top soil on South end of ROW



Photo facing West
SF 36 (KP969+500) Photo of Cultural Sensitive area.



Photo facing South
SF 36 (KP969+500)
Excavator piling stumps, loading up tees.



Photo facing North West
SF 37a
Photo of crew cleaning excavator.



Photo facing North West
SF 38 (KP975)
Crew installing silt fencing. Excavator to place soil ontop of Geo Cloth and CAPELA cloth

APPROVALS



Justin McKinney
Senior Construction Monitor

October 19, 2018

Date



Daniel Tober
Senior Environmental Scientist

October 19, 2018

Date