

**MANITOBA METIS FEDERATION – MATRIX  
SOLUTIONS INC. PARTNERSHIP**

**INDIGENOUS CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 9**

**OCTOBER 9<sup>TH</sup> TO OCTOBER 13<sup>TH</sup>**

## 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 nine. 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 9<sup>th</sup> to October 13<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)	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

On October 9<sup>th</sup>, Awkward Body Pos. wildlife, theft, slips trips falls, tie your boots, watch your footing, communication - maintain communication amongst the crew, dusty roads - drive slow, keep safe distance between vehicles, be courteous to other drivers; un-controlled intersections, treat them as four way stops, be courteous; congested areas, be ROW ready, avoid if possible; Ensure vehicle/equipment is cleaned and inspected; ensure Tires are cleaned and inspected; vehicle is equipped with bleach and spill kits; ensure proper disposal and separation of garbage and recycling; smoke in designated areas only; proper disposal of cigarette butts; On October 09, 2018 I had arrived for work in Morden, Manitoba at the S/A Energy yard, this morning I had attended the 6:00AM inspectors meeting, during the safety moment being fit for duty after the long weekend was mentioned as well be aware of ground conditions due to last week's weather; 7:00AM progress meeting, during the progress meeting environment had mentioned that hydro test updates will be mentioned tomorrow, Thornhill coulee is getting prepped to be open cut and ready for construction and Dead Horse Creek has begun to have pipe pulled; Shortly after the morning meetings Lorne Parisian had conducted the morning safety tailgate meeting discussing the ERP, muster points, hazards and controls for the work day. The junior monitors were dismissed to go and complete the tasks assigned to them for the work day; I had spent the majority of the morning working with the environmental alignment sheet, the environment notes package and environment protection plan gathering information and developing a help sheet for the junior monitors to assist in their day to day tasks and add value added to their reports as well as mine; Finished off the day with the vehicle in the shop and compiling the days information into my daily report; Work forecast: Finish office work, monitor dead horse creek as well as other SSKPS of interest.

October 10<sup>th</sup>, Slips trips and falls, 3 Point contact, tie your boots, watch your footing. communication, un-controlled intersections, be courteous; congested areas, be ROW ready, avoid if possible; Rain and snow is in the forecast, slippery conditions, be cautious, defensive driving; wildlife, theft, the Right of way is rutted and the clay is slippery be extra cautious when walking and driving; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts; Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow proper Bio-Security measures where required; On October 09, 2018 I had arrived for work in Morden, Manitoba at the S/A Energy yard, this morning I had attended the 6:00AM inspectors meeting, during the safety moment being fit for duty after the long weekend was mentioned as well be aware of ground conditions due to last week's weather; 7:00AM progress meeting, during the progress meeting environment had mentioned that hydro test updates will be mentioned tomorrow, Thornhill coulee is getting prepped to be open cut and ready for construction and Dead Horse Creek has begun to have pipe pulled; Shortly after the morning meetings Lorne Parisian had conducted the morning safety tailgate meeting discussing the ERP, muster points, hazards and

controls for the work day. The junior monitors were dismissed to go and complete the tasks assigned to them for the work day; I had spent the majority of the morning working with the environmental alignment sheet, the environment notes package and environment protection plan gathering information and developing a help sheet for the junior monitors to assist in their day to day tasks and add value added to their reports as well as mine; Finished off the day with the vehicle in the shop and compiling the days information into my daily report; Work forecast: Finish office work, monitor dead horse creek as well as other SSKPS of interest.

October 10<sup>th</sup>, Slips, trips, falls, communication, un-controlled intersections, congested areas rain and snow is in the forecast, awkward body position, wildlife, theft, the ROW is rutted and the clay is slippery be extra cautious when walking and driving; Ensure proper disposal and separation of garbage and recycling; smoke in designated areas only; proper disposal of cigarette butts; ensure vehicle/equipment is cleaned and inspected; ensure tires are cleaned and inspected; vehicle is equipped with bleach and spill kits; follow proper bio-security measures where required; Arrived for work on October 10, 2018 attended meetings such as: 6:00 AM inspectors meeting, safety topics were discussed such as to ensure flaggers are in place, signage uncovered, light plants grounded when used for water pumping and be aware and prepare for the weather conditions coming our way; 6:15 AM environmental meeting only topic of concern was Thornhill coulee which I will be spending a good duration of my day monitoring; 7:00 AM Progress meeting, safety had mentioned use turn signals at all times as well winter boots and the use of studded cleats for boots with upcoming freezing temperatures, environment spoke of Thornhill coulee, asked start date for Queens channel possible start date of October 23, 2018 and at SSKP 1063 there will be no de-watering commencing at the moment; I had conducted the safety meeting amongst the junior monitors, the ERP, muster points, hazards and controls for the work day were discussed as well they were assigned SSKP's of interest to go and monitor; Monitored Thornhill Coulee SSKP-1035 (MBR-WC3) referring to Section 9.0 in the E.P.P.; The construction commencing when I arrived was stripping and ditching to prepare for open cut and installation, the environmentalist monitoring the site had educated and explained to me the controls put in place and measures taken. Silt fencing was installed to prevent any water and sediments from entering the watercourse in the event of a flash flood or heavy rainfalls, he has informed me the importance of keeping sediments out such as the sediment may cover fish eggs if it were water bearing. Sandbags were in place on stand-by in the event of flash flood and the channel starts to bear water they will use the sand bags to dam the stream until they are able to complete the pipe installation and water pumps are at the ready on stand-by to re direct water. As well the channel is not water bearing at the moment so it is the best time to open cut and trench without harm and temporary spoil pile storage areas were being constructed at the time I was there; On a side note I had joined the environmentalist and observed a pig pen and its purpose, from what I had been shown was the pig pen is a double filtration system consisting on a filter cloth bag surrounded in geo tech in which water gets pumped into the filter bag and separates the sediments from the water and the geo tech surrounding the filter bad acts as an second line of filtration; Working closely alongside the environment team has proven to be educational,

informative and beneficial and I feel it will be a crucial part to making this position a success now and for future possibilities; Finished off the day helping the junior monitors understand the alignment sheets and tie them to the environment note package and the E.P.P. (Environmental protection plan) to further increase the value of monitoring and reporting as well compiling the days information into my daily report; Work forecast: Continue to monitor the open cut and installation at Thornhill coulee.

October 11<sup>th</sup>, slips, trips, falls, communication, un-controlled intersections, congested areas rain and snow is in the forecast, awkward body position, wildlife, theft, the ROW is rutted and the clay is slippery be extra cautious when walking and driving; Ensure proper disposal and separation of garbage and recycling; smoke in designated areas only; proper disposal of cigarette butts; ensure vehicle/equipment is cleaned and inspected; ensure tires are cleaned and inspected; vehicle is equipped with bleach and spill kits; follow proper bio-security measures where required; attended meetings such as: 6:00 AM - Safety had touched base on signage being properly used, staying out of line of fire, trucks off to one side of the road on the shoulder, ladders properly secured, light plants to be grounded and black ice out on the highways. Environment had mentioned hydrostatic testing will begin this week and continue into next week as well the locations of water sampling for the hydrostatic tests. Spring preparedness was a topic also of discussion; 6:15 AM - Environmental Lead had mentioned Thornhill Coulee is stripped and the surrounding channel is intact, ditching will commence today. HDD rigs will be moving to Rosenheim drain SSKP 1071.790 (MB-WC76) and Buffalo Creek SSKP 1078.78 (MB-WC1013); 7:00 AM - Safety touched based on the topics discussed at the 6:00 AM meeting and had added to discussion switching out dirty hi-vis for clean to be better visible and to ensure to be using the porta-potties provided by the access. Environment had touched base on what was discussed during the 6:00 AM and the 6:15 AM meetings; this morning I had conducted the safety meeting discussing the ERP, muster points, hazards and controls for the work day as well with the slippery conditions out on the highways. The junior monitors were given instruction to go to specified SSKP's of interest; Monitored Thornhill Coulee SSKP-1035.079 (MBR-WC3) referring to section 9.0 in the E.P.P.; ditching had begun when I had arrived to site, equipment was fine cleaned prior to stripping and ditching at the location, at the channel the ditch was dug to 5.2 meters down with a 1:1 slope. The spoil piles were separated and distanced from the other soils to be put back in its original location and state once the pipe is lowered in and installed. While the channel was being ditched there was minimal water that had made its way out from the ground, sand bags were on stand-by if water started to run through the channel and water pumps were in place as well to redirect water if need be. Lowering in did not commence today I will be there again tomorrow to further monitor the construction taking place, finished off the day compiling the days information into my daily report and continued helping the junior monitors with the E.P.P., note package and alignment sheets.

October 12<sup>th</sup>, slips, trips, falls, communication, un-controlled intersections, congested areas rain and snow is in the forecast, awkward body position, wildlife, theft, the ROW is rutted and the clay is slippery be extra cautious when walking and driving; Ensure proper disposal and separation of garbage and recycling; smoke in designated areas

only; proper disposal of cigarette butts; ensure vehicle/equipment is cleaned and inspected; ensure tires are cleaned and inspected; vehicle is equipped with bleach and spill kits; follow proper bio-security measures where required; attended meetings such as: 6:00 - Safety/Inspectors meeting, safety had discussed winter preparedness for driving along with some life saving tips, to not rush your work take your time and be safe, be aware of surroundings, use a spotter in congested areas and if an incident or accident occurs see a trained professional to assess bodily harm; 6:15 Environment Meeting, environment Lead had discussed Thornhill Coulees progress and the construction plan for the day, SSKP 1014 (Marsh MB-188) - (Wetland complex MB-189) were being reclaimed today, water testing at Rosenheim drain SSKP 1071.79 (MB-WC76) and to ensure workers are following bio-security when working with top soil; 7:00 Construction Meeting, safety had discussed the topics mentioned at the 6:00 AM meeting, environment discussed HDD site contingencies if frack outs happen at Rosenheim Drain and or Buffalo Creek, as well mentioned that during tie in at Dead Horse Creek bio-security measures and mitigations will be put in place for when the construction commences; Monitored Thornhill Coulee SSKP 1035.079 (MBR-WC3) referring to section 9.0 in the E.P.P.; this morning I had arrived at Thornhill Coulee, backfilling was commencing as I monitored the channel. It was backfilled and graded with the native material that had been previously ditched and stripped. Will be there tomorrow to ensure the bed and banks of the water course are as close to their pre-construction profile; Headed out to Monitor the reclamation of SSKP 1014 (MB-188) and (MB-WC76) referring to section 10.0 in the E.P.P. During my time there the clay was being ripped (broke into chunks) and graded in preparation for top soil reclamation. I had spoken with the grader operator working the area, he had informed me that they do their best to reach proper slopes and grade to restore the wetland to its pristine condition before disturbance occurred, will be there again tomorrow to view progress taken place; received report stating at SSKP 1080.09 a spill occurred at that location on stripped soil, absorbent diapers were used to contain the spill, contaminated clay was dug up and contained to be sent off to waste management, will be receiving clean up report later on; finished off day with weekly crew meeting conducted by Matrix-Solutions regional manager Greg Lewis, as well finished daily report with information gained throughout the day.

October 13<sup>th</sup>, slips, trips, falls, communication, un-controlled intersections, congested areas rain and snow is in the forecast, awkward body position, wildlife, theft, the ROW is rutted and the clay is slippery be extra cautious when walking and driving; Ensure proper disposal and separation of garbage and recycling; smoke in designated areas only; proper disposal of cigarette butts; ensure vehicle/equipment is cleaned and inspected; ensure tires are cleaned and inspected; vehicle is equipped with bleach and spill kits; follow proper bio-security measures where required; attended meetings such as: 6:00 AM Inspectors meeting, safety had spoken of the slippery conditions and mentioned to be careful working with stairs in the excavations due to the weather conditions and to be using spotters at all times to help prevent equipment and vehicle incidents. Environment had mentioned that with today's weather conditions to review and refer to wet/thawed soils contingency plans in Appendix D8 in the E.P.P.; 6:15 AM Environment meeting, environment lead had mentioned the above discussed in the 6:00

AM Inspectors meeting to review and refer to Appendix D8 in the E.P.P.; 7:00 AM Construction meeting, safety had spoken of getting proper rest to reduce risk of fatigue caused incidents as well mentioned that the foreman and inspectors are doing a good job with the green hand working on site. Environment discussed that spill #25 had been cleaned up at 1080.09 and properly disposed of; I had conducted the morning safety meeting amongst the crew and had sent them out to their assigned SSKP'S, not much will be happening today as weather permits; Received update on spill response #25, in the report it states the spill was contained as well as properly disposed with proper waste management, report provided pictures of incident, clean up and proof of proper disposal; Mick Morrison and myself had headed out together to go monitor Rosenheim Drain 1071.790 (MB-WC76) as there is a horizontal drill site at the location, we could not get in and monitor the pictures below show the conditions of the right of way; Headed out to Thornhill Coulee to monitor the reclamation of the channel, the crew was shut down to weather so no monitoring took place; Finished off day compiling days information into daily report.



## Photos of Sites Visited & Topics Discussed This Week

**October 10, 2018**



Silt Fencing installed at Thornhill Coulee  
Photo taken facing North

**October 11, 2018**



Excavator loading rock truck with soils from  
Thornhill Coulee to be kept separate  
Photo taken West



Excavator Ditching to 5.2 meters beneath the channel at Thornhill Coulee.  
Photo taken facing North East

**October 12, 2018**



Backfill progress at Thornhill Coulee  
SSKP 1035.079 (MBR-WC3)  
Photo taken facing North



Erosion control (Silt fence) at SSKP 1014  
(MB-189) Photo taken facing North

**October 13, 2018**



Access to 1071 bad conditions  
Photo taken facing East



Access to 1071 ROW conditions  
Photo taken facing South

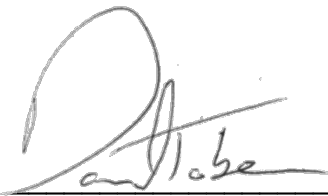
**APPROVALS**



\_\_\_\_\_  
Corey Monkman  
Senior Construction Monitor

\_\_\_\_\_  
November 6, 2018

Date



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Daniel Tober  
Senior Environmental Scientist

\_\_\_\_\_  
November 6, 2018

Date