

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

NOVEMBER 5TH TO NOVEMBER 10TH

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 November 5th to November 10th, 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 November 5th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, welders flash; High of plus 6 today, cloudy skies, rain at the end of the day, roads will be very icy tomorrow morning, fine clean and bleach when entering new R.M, or land owner requested wash; SF 6, west side, one excavator moving topsoil from the side of the ROW closer to the middle so the dozers can spread it out over the ROW without getting too close to the edges of the ROW, three dozers pushing topsoil putting it back to how it was, dozer crossed the road from west to east, flaggers were used to hold traffic; SF 10, west side, lowering in crews lowering pipe into the trench, tying in, welders on sight getting ready to tie in; SF 12, west side, quad track discing the ROW; SF 12, east side, excavator scrapping top soil that is on the edge of the ROW that's up on the side ledge where the mulch was sprayed SF 14, east side, crews tying in the pipe; SF 15, east side, crews tying in, welders welding the pipe; SF 39, east side, four dozers and one excavator pushing soil on the ROW, smoothing it out putting it back to how it was before the pipe came through.

On November 6th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; minus 5 today, icy road conditions, blowing snow, fair visibility; fine clean and bleach when entering new R.M, or land owner requested wash; SF 12, east side, three quad tracs discing the ROW; SF 21, east side, crews loading up hoase, ladders, and pylons into the back of a trailer cleaning up the sight, two excavators, one long arm excavator and one dozer all backfilling the pipe, one excavator picking up rig mats off the ground and stacking them up in a pile so they can be transported out; SF 22, south side, two dozers and one excavator pushing soil on the ROW, smoothing it out; SF 22, east side, wetlands crew on sight installing sheet piling, crane using hydraulic press to pound sheets into the ground, excavator assisting by holding sheet piling in place, site is matted; Left early due to poor road conditions, (icy roads, poor visibility, blowing snow). The vehicles that were provided for us by SWAN LAKE FIRST NATION still do not have winter tires on them, Senior Monitor Justin McKinney has made multiple requests to have winter tires installed on the vehicles but winter is here and still nothing has been done.

On November 7th, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; minus 9 today, icy road conditions, blowing snow, fair visibility, road conditions better than yesterday; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 6, semi loading dozer onto his trailer on the road, flaggers and pilot truck are being used; SF 9, north side, crews tying in the pipe, three side

booms holding pipe, welder is on sight; SF 9, south side, two excavators backfilling, both operators have spotters; SF 10, east side, one dozer pushing transition soil, an excavator already moved it away from the top soil so the dozer won't mix the two together; SF 14, east side, two excavators backfilling the pipe; SF 17, north side, directional driller drilling underneath the road and the bit is out of the hole on the other side and is laying on the ground, crews eventually changed drills bits; SF 20, east side, one semi loading up an excavator on the ROW, pilot truck guided the semi, one dozer and one excavator are backfilling the pipe; SF 41A, west side, two side booms holding onto the pipe in the trench while welders weld it, two more side booms getting ready to lower another section of pipe into the trench to tie in; SF 41 A, long arm excavator has a spray attachment on the end of his bucket and the operator is spraying a blue mist onto the top soil that is piled up on the south side of the ROW, tackifying.

On November 8th, slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; Minus 9 today, very cold this morning, roads starting to clear up, fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, north side, two excavators back filling the pipe; SF 10, east side, one excavator removing dirt used to build approaches, crews assisting in removing geo-tech, crews also removing stop signs from access and pipeline construction signs, wooden steaks from the ditch, one dozer is pushing dirt close to the entrance smoothing it out, multiple excavators and dozers, and the power dozer are down the ROW pushing top soil back; SF 11, east side, dozer removing dirt from the ditch that was used to build the approach, two crew members assisting in removing the geo-tech, two dozers pushing transition soil back onto the ROW; SF 17A, east side, lowering in crew lowering pipe into the trench, tying in pipe, one hydrovac hydrovacating the bore hole that goes under the road; SF 35, north side, long arm excavator spraying brown tackifier on the soil; SF 41A, east side, two excavators backfilling the pipe; SF 41A, west side, lowering in crew lowering in pipe and tying in.

On November 9th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; minus 10 today, cloudy skies, light snow; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 6, east side, one excavator removing top soil from ditch that was used for approach, one dozer pushing soil on the ROW, spreading it out; SF 9, north side, one excavator backfilling the pipe, pipe is almost all buried at this SF; SF 11, west side, three dozers pushing topsoil, spreading it out on the ROW, one excavator moving top soil from the edge of the ROW closer to the centre; SF 12, west side, three dozers pushing topsoil back on the ROW, spreading it out; SF 12, east side, multiple excavators and dozers putting topsoil back on the ROW, speed dozer is also on sight pushing topsoil making things go faster; SF 14, west side, dozers and multiple excavators pushing topsoil back on the ROW, one grader grading

over the pipe; SF 14, east side, one excavator separating transition soil from the topsoil, one quad track tractor is discking the ROW; SF 20, east side, four excavators covering up the pipe with soil, one excavator has a tamping device and is pounding down the soil, a loader is unloading some things off a semi on the ROW, a spotter is being used, another semi then came to pick up extra things laying around on the sight, rig mats, sheet metal piles, etc., Acre Prime is on sight spraying brown tackifier on the top soil on the south side of the ROW; SF 41A, west side, five side booms lowering in the pipe, tying it in, welders on sight welding the pipe; SF 41A, east side, one dozer and one excavator backfilling the pipe.

On November 10th, Slips, trips, falls, wide loads on the number 2 highway, spotter, tag lines, flaggers, congested work sites, wildlife, distracted driving, fatigue, farm equipment on roads, semis with long loads on grid roads, dress in layers, icy road conditions, reduced visibility when driving while snowing, take more time to stop on icy roads, defensive driving; Minus 7 for the high today, gloomy skies, road conditions getting better; Fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, north side, one dozer scrapping dirt off the approach, pushing it onto the ROW so the access can be de-commissioned; SF 11, east side, multiple dozers and excavators pushing top soil back onto the row; SF 17, north side, two excavators back filling the pipe; SF 17A, east side, three excavators backfilling the pipe, one dozer pushing soil onto the pipe, one grader grading, there was also a semi on the ROW loading up the metal sleigh/cage that has all the skids neatly piled on it, spotter was assisting the driver SF 41, north side, five side booms lowering pipe into the trench; SF 43, south side, four excavators all back filling the pipe; SF 50, west side, one dozer pushing soil from the ROW off to the side into a big pile.

Photos of Sites Visited & Topics Discussed This Week

November 5, 2018



Description & Location:

SF 10, photo facing west, lowering in/tie in crew.



Description & Location:

SF 15, photo facing east, tie in crew, welders welding the pipe together.

November 6, 2018



Description & Location:

SF 12, photo facing east, three quad tracks
discing the ROW.



Description & Location:

SF 20, photo facing north east, crews
backfilling the pipe.



Description & Location:

SF 22B, photo facing east, crews installing
sheet metal piles.

Photo

Description & Location:

November 7, 2018



Description & Location:

SF 14, photo facing east, two excavators back filling.



Description & Location:

SF 41A, photo facing east, long arm excavator spraying tackifier on the top soil.

November 8, 2018



Description & Location:

SF 10, photo facing south east, crews pushing dirt, multiple dozers in the far backround pushing back topsoil.



Description & Location:

SF 17A, photo facing east, lowering in/tieing in crew.

November 9, 2018



Description & Location:

SF 12, photo facing east, multiple dozers and excavators putting topsoil back on the ROW.



Description & Location:

SF 20, photo facing east, excavators burying pipe.

November 10, 2018



Description & Location:

SF 43, photo facing south east, four excavators backfilling the pipe.



Description & Location:

SF 17, photo facing west, two excavators backfilling the pipe.

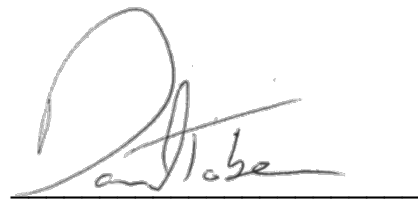
APPROVALS



Brook Syrnyk
Construction Monitor

November 14, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 14, 2018

Date