

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

NOVEMBER 13TH TO NOVEMBER 18TH

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 13th to November 18th, 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 13th, 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; high of minus 8 today, roads are bare, no ice, good driving conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 22, south side, two dozers pushing dirt on the ROW, smoothing it out; SF 24A, east side, one dozer and one excavator pushing dirt on the ROW, smoothing it out ; SF 39, east side, bender bending a piece of pipe, one side boom is holding up one end of the pipe while the other end is in the bender; SF 43A, west side, one dozer pushing dirt over top of the buried pipe, one excavator moving dirt from the pile on the south side to the centre of the ROW and another excavator is putting that dirt on top of the pipe, there is also a third excavator parked on the approach, four crew members came and manually cleaned the tracks with shovels; SF 45, east side, crews putting metal posts around the open ditch, one dozer and one excavator pushing large rough piles of dirt on the ROW; SF 48, west side, four side booms lowering a big section of welded pipe into the trench; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 14th, 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; Plus 3 today, clear skies, snow melting, good weather, good driving conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 40, east side, one dozer pushing dirt up the hill to the side of the ROW; SF 39, east side, two excavators digging down the creek, there then loading two rock trucks with mud, the rock trucks are then dumping that mud on each side of the creek at the top of the hill, where there is one dozer on each side pushing that mud into a pile to the side of the ROW; SF 49, east side, one excavator removing big chunks of ice from the trench, a spotter is being used, another crew member is in the trench pushing the ice away from the pipe to help the operator get the ice out easier, the crew member and the operator are both in constant eye contact and communicating efficiently; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 15th, 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, freezing rain, icy highway; High of minus one today, blowing snow near SF 47, visibility was very low, fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, north side, one dozer pushing top soil back onto the ROW, spreading it out; SF 9, south side, two excavators and four dozers all moving topsoil back onto the ROW; SF 16, east side, two excavators moving top soil from the edge of the ROW to the centre of the ROW so dozers can push it and spread it out over the ROW; SF 16, east side, five dozers pushing top soil on the ROW, spreading it out, putting it back to how it was, one quad

track is discing the ROW; SF 17, north side, four dozers and one excavator all moving dirt on the ROW; SF 47, west side, two excavators piling dirt on top of the pipe, one dozer pushing dirt on the ROW, spreading it out; SF 49, west side, one excavator starting to back fill the trench; SF 49, east side, five side booms lowering pipe into the trench, tying in, welders on sight in their tent welding the pipe together; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 16th, 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, blowing snow; high of minus 9, good road conditions, light blowing snow, fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, north side, one dozer and one excavator putting topsoil back on the ROW, spreading it out/smoothing it out SF 9, south side, two excavators and three dozers pushing topsoil back onto the ROW, one grader sitting on the approach getting ready to grade the ROW; SF 16, west side, two dozers and one excavator pushing topsoil back onto the ROW, one quad track disking the ROW; SF 16, east side, six dozers, power dozer and three excavators putting topsoil back onto the ROW; SF 28, west side, five side booms attached to the pipe getting ready to lower it into the trench then tie it in; SF 35, north side, two hydrovacs hydrovacating right over the buried pipe; SF 41A, west side, one dozer and three excavators pushing dirt on the ROW, smoothing it out; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

November 17th, 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; High of minus 11, good driving conditions, clear skies, sunny, fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, east side, three excavators moving topsoil from the edge of the ROW to the centre so dozers can push it, seven dozers pushing top soil on the ROW, the power dozer is also on sight pushing top soil; SF 17, east side, five dozers pushing top soil, back blading, one quad track disking the ROW; SF 28, west side, nine side booms all attached to the pipe with slings, preparing to lower it in then tie it in; SF 35, north side, one excavator breaking up solid chunks of dirt so he can then backfill the open ditch, open ditch is barricaded off, there's a sign, ladder is tied down and secured SF 41A, west side, three excavators and tow dozers backfilling the pipe; SF 47, east side, one dozer backsliding rough dirt, one excavator scrapping dirt off ledge on the ROW; SF 49, west side, one dozer and one excavator spreading out big pile of dirt that is in the middle of the ROW; SF 49, east side, side booms lowering pipe into the trench, tie in crew tying in, hydrovacers hydrovacating the pipe.

On November 18th, 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; high of minus 9, clear skies, good road conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 23, west side, one rock truck dumping dirt over top of the pipe, one excavator spreading out that dirt; SF 28, west side, four side booms lowering

pipe into the trench, welders on sight tying in pipe on the far west side underneath the river crossing, excavator loading up rock truck with dirt from near the river and that rock truck is dumping the dirt back in its original place on the pipe; SF 49, east side, excavators backfilling the pipe, tandems dumping dirt near the trench so excavators can use that dirt to backfill, spotter is being used to back up tandem and guide the driver as the area is fairly tight; SF 50, west side, two hydrovac trucks hydrovacating over top of the pipe.

Photos of Sites Visited & Topics Discussed This Week

November 13, 2018



SF 43A, photo facing west, excavators and one dozer moving dirt.



SF 45, photo facing east, one dozer and one excavator pushing dirt on the ROW.



SF 48, photo facing west, side booms lowering in pipe.

November 14, 2018



SF 40, photo facing east, one dozer pushing dirt up hill.



SF 49, photo facing east, excavator removing ice from trench.



SF 39, photo facing east, equipment digging out creek crossing.

November 15, 2018



Description & Location:

SF 49, photo facing west, excavator backfilling the pipe.



Description & Location:

SF 49, photo facing east, tie in crew tying in the pipe.



Description & Location:

SF 47, photo facing east, two excavators moving dirt on top of pipe.

Photo

Description & Location:

November 16, 2018



Description & Location:

SF 16, photo facing west, crews pushing topsoil.



Description & Location:

SF 16, photo facing east, crews pushing topsoil.



Description & Location:

SF 35, photo facing west, hydrovacacs daylighting pipe.



Description & Location:

SF 41A, photo facing west, crews pushing dirt on ROW.

November 17, 2018



Description & Location:

SF 9, photo facing west, crews pushing top soil back onto the ROW.



Description & Location:

SF 17, photo facing north east, dozers back blading top soil, quad track disking.



Description & Location:

SF 35, photo facing north, excavator backfilling open ditch.

Photo

Description & Location:

November 18, 2018



Description & Location:

SF 28, photo facing west, crews tying in underneath the river.



Description & Location:

SF 49, photo facing south east, crews backfilling pipe.

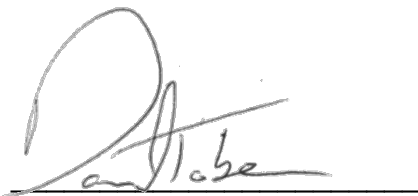
APPROVALS



Brook Syrnyk
Construction Monitor

November 22, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 22, 2018

Date