

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

NOVEMBER 19TH TO NOVEMBER 24TH

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 19th to November 24th, 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 19th, 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 12, good road conditions, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 9, north side, one grader grading the ROW, one crew member removing wooden steaks from the edges of the ROW; SF 41A, west side, three side booms lifting pipe, preparing to lower it into the trench and tie it in; SF 48, west side, one excavator scrapping dirt from the edge of the ROW moving it to the centre so the dozers can push it, three dozers pushing dirt, spreading it out/smoothing it out; SF 49, east side, boom semi loading short pieces of extra pipe onto the back of semi-trailer and hauling them off the ROW; SF 50, west side, two side booms moved pipe closer to the trench and placed it on skids that helpers laid out, another side boom came and the three of them lowered in the pipe, welding crews then welded and tied in the pipe; Work forecast: continue to monitor wetland habitats and traditional areas, monitor construction.

On November 20th, 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 4, good road conditions, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 23, east side, excavator removing geo-tech from around wetland habitat area, one crew member gathering wooden steaks used to pin down silk fence and loading them into the back of his work truck, the excavator then moved to a soil pile and is moving top soil to the centre of the ROW so the dozer that is on sight can push it on the ROW and spread it out; SF 28, west side, two excavators and one rock truck backfilling the pipe; SF 41, north side, one welding tent in the trench, welders finishing up welding the pipe, all the pipe is welded together at this SF and is ready to be backfilled; SF 48, west side, one excavator and two dozers spreading out dirt on the ROW; SF 50, west side, lowering in crew have pipe lowered into the trench, welding crews tying in last spot, one excavator starting to backfill the pipe; Work forecast: continue to monitor wetland habitats and traditional areas, monitor construction.

On November 21st, 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 7, good road conditions, cloudy skies, little windy; fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, east side, excavator digging trench for pipe, the operator is then loading the dirt from the trench into the back of two rock trucks, they are then dumping that dirt across the road on the ROW; SF 23, east side, one dozer and one excavator spreading topsoil on the ROW; SF 23, west side, one dozer pushing dirt, smoothing it out, one excavator breaking up chunks of frozen dirt

SF 30, west side, one excavator moving rig mats off the ROW, putting them on the side, the operator is also removing the green geo-tech matting that was used underneath the rig mats, another excavator is moving dirt from the north side of the ROW closer to the centre so dozers can push it and spread it out; SF 32, north side, five dozers and two excavators all pushing dirt back onto the ROW; SF 35, south side, one welding crew welding the pipe; SF 50, west side, two excavators backfilling the pipe, one dozer is breaking up chunks of frozen dirt so the excavators can backfill; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 22nd, 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 plus 1, driving conditions a little sloppy due to the warm weather, blowing snow by SF 47, fine clean and bleach when entering new R.M, or land owner requested wash, SF 28, west side, two dozers and one excavator moving dirt from the side of the ROW closer to the centre SF 30, west side, crew members putting up silk fence around the cat tails, excavator operator is using the bucket to push down the wooden steaks that hold the silk fence in place, crews picking up a pile of assorted wooden marker steaks, loading them into the back of their truck; SF 30, east side, one excavator is loading green geo-tech into the back of a tandem truck, a worker is also on a skid steer assisting the operator with getting the geo-tech into his bucket; SF 32, north side, five dozers pushing dirt on the ROW; SF 34, west side, excavator starting to rip up dirt on the approach, a spotter is being used to spot so the operator doesn't go too far and dig up the road; SF 35, south side, twelve side booms all attached to the same piece of pipe, preparing to move it and lower it in; SF36, west side, two excavators moving soil from the side of the ROW closer to the centre so dozers can eventually push it; SF 50, west side, one dozer pushing dirt on the ROW, breaking up the chunks of frozen mud; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 23rd, 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 plus 1 today, good road conditions, clear skies, fine clean and bleach when entering new R.M, or land owner requested wash; SF 28, west side, one excavator and one dozer pushing dirt on the ROW; SF 33, east side, two dozers pushing dirt, smoothing out the ROW; SF 35, south side, monitored construction here for the majority of the day as this is where there is a fair amount of work going on, seven excavators, three rock trucks and one dozer all working on this site, three excavators were opening the trench, two more excavators were backfilling parts of the trench and the last two excavators were moving dirt closer to the trench so the other operators could backfill, one dozer also pushing dirt into the trench, a rock truck was being loaded with dirt then a spotter backed the operator up close to the trench where he then dumped his load and a dozer pushed it into the trench, one crew member securing ladder in the trench, helpers measuring the depth of the trench as excavators dig it out; SF 50, west side, two dozers and one excavator pushing dirt on the ROW, smoothing it out/breaking up the ice clumps; 4:00 PM

meeting at the SA yard with General Manager Greg Lewis; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 24th, 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 5, good road conditions, clear skies, little wind made it feel very cool, fine clean and bleach when entering new R.M, or land owner requested wash; SF 28, west side, one dozer pushing dirt, spreading it out on the ROW; SF 29, west side, one excavator digging out the approach; SF 31, east side, one excavator digging out the approach; SF 32, south side, one excavator digging out the approach; SF 33, west side, one dozer spreading out rough clumps of dirt near the approach; SF 35, south side, lowering in crews lowering in pipe, tie in crew tying in pipe, welders on site welding pipe in there welding tent, two excavators building back river banks so the creek can be opened up and water can flow back to how it used to be; SF 39, east and west side, approaches being taken out by excavators; Work forecast: Continue to monitor wetland habitats and traditional areas, monitor construction.

On November 25th, high of minus 12, windy, good driving conditions, fine clean and bleach when entering new R.M, or land owner requested wash; SF 22B, east side, excavator digging out trench loading mud into the back of a rock truck, the rock truck is then dumping that mud on the other side of the road on the ROW, one dozer is then pushing that mud up into a big pile on the north side of the ROW, crews are cleaning the mud out of the tracks on one excavator on the ROW; SF 28, west side, one dozer pushing dirt on the ROW spreading it out; SF 40, east side, one dozer breaking up frozen chunks of dirt on the ROW so he can then spread the dirt out evenly, one excavator is pulling dirt from the side of the ROW and moving it closer to the centre so the other dozer on sight can push it and spread it out, another excavator dumped a bunch off wooden marker steaks and metal rods in a pile close to the entrance; Work forecast: continue to monitor wetland habitats and traditional areas, monitor construction.

Photos of Sites Visited & Topics Discussed This Week

November 19, 2018



Description & Location:

SF 50, photo facing north west, crews lowering in/tying in pipe.



Description & Location:

SF 49, photo facing east, semi boom loading extra pieces of short pipe, hauling them out.



Description & Location:

SF 48, photo facing west, crews pushing dirt, spreading it out.



Description & Location:

SF 41A, photo facing north west, crews preparing to lower in the pipe.

November 20, 2018



Description & Location:

SF 23, photo facing east, excavator removing silk fencing from around wetland habitat.



Description & Location:

SF 28, photo facing west, crews backfilling the pipe.



Description & Location:

SF 48, photo facing west, two dozers and one excavator pushing dirt on the ROW.



Description & Location:

SF 50, photo facing west, tie in crew finishing tying in pipe, coating crew coating the pipe in the tent.

November 21, 2018



Description & Location:

SF 30, photo facing east, crews removing rig mats and geotech from the ROW.



Description & Location:

SF 50, photo facing west, two excavators backfilling the trench.

November 22, 2018



Description & Location:

SF 32, photo facing south east, dozers pushing dirt on the ROW.



Description & Location:

SF 34, photo facing west, excavator starting to rip up the approach for the ROW.

November 23, 2018



Description & Location:

SF 35, photo facing south, excavators opening trench, excavators backfilling trench, rocktrucks hauling dirt.



Description & Location:

SF 35, photo facing south, excavator backfilling pipe.



Description & Location:

SF 35, photo facing south, excavator backfilling pipe.



Description & Location:

SF 35, photo facing south, one crew member tamping in metal post so he can then secure ladder to it.



SF 50, photo facing west, two dozers and one excavator moving dirt on the ROW, smoothing/flattening it out.

November 24, 2018



Description & Location:

SF 35, photo facing north, tie in crew tining in.



Description & Location:

SF 35, photo facing south, excavator building up the river bank.



SF 35, photo facing west, excavator building up river bank on the other side.

November 25, 2018



SF 40, photo facing east, two dozers and one excavator moving dirt.

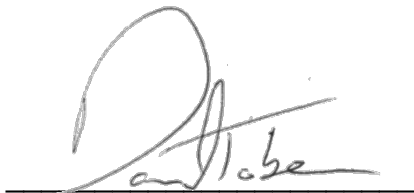
APPROVALS



Brook Syrnyk
Construction Monitor

November 28, 2019

Date



Daniel Tober
Senior Environmental Scientist

November 28, 2019

Date