

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 8

DECEMBER 3RD TO DECEMBER 9TH

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 December 3rd to December 8th, 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 December 3rd, 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, traction aids; High of minus 5, good driving conditions, a bit foggy early this morning. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, crews in the trench getting pipe perfectly levelled so they can install the big white valve; SF 22B, east side, multiple excavators, dozers and rock trucks all working together back filling the pipe, rock trucks are being loaded with dirt on the west side of the road from an excavator, one semi unloaded a dozer on the road, flaggers where in place to hold traffic; SF 35, north side, two rock trucks hauling dirt from the bottom of the hill to the top, the rocks trucks are pulling out onto the gravel road then driving back onto the ROW at the top of the hill, flaggers are in place to hold traffic while rock trucks are moving on the road.

On December 4th, safety theme identified as 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, traction aids; High of minus 4, good driving conditions, clear skies. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, white valve in place, welding crew on sight preparing to weld the valve, there are three ladders on each side of the trench, each ladder is securely tied down; SF 22B, east side, crews backfilling the pipe, rock trucks getting loaded from the west side by an excavator and there dumping their loads in the trench and a dozer is pushing it down the pipe going east; SF 22B, west side, huge pile of rig mats all piled up and organized neatly ready to be hauled out, machine removing sheet metal piles form the ground; SF 35, south side, one excavator taking out the approach, a spotter is on the road with an air horn to warn the operator if he gets too close to the road; SF 40A, west side, one excavator building up the hill bank with dirt; SF 41, south side, one dozer back blading the ROW near the entrance, approach is taken out.

On December 5th, safety theme identified as 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, traction aids; High of minus 8, good driving conditions, clear skies. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, valve in place and installed, sandblasting crews on sight sandblasting the pipe preparing for it to be coated; SF 22B, east side, one dozer and one excavator working together backfilling the pipe, one excavator removing sand points from the ground, a helper is helping by grabbing the bottom of them and guiding them to the spot where there are pilling them up, both aqua damns have been removed

SF 22B, west side, boom semi loading up extra pieces of short pipe; SF 42, west side, crews on sight preparing for valve instalment, light plants set up around open trench.

On December 6th, safety theme identified as 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, traction aids; High of minus 14, windy, very sunny, good road conditions. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, valve installed in the trench, coating crews heating the pipe with tiger torches, all six ladders in the trench are evenly spaced and properly secured, back fill crews started to back fill the pipe/valve; SF 42, west side, trench prepped for valve instalment, pipe still needs to be cut, there are two ladders on the north side of the trench that are properly secured and tied down, one side boom has sling already attached to the valve, pipe will not be cut until the pig goes through the pipe but the pig malfunctioned yesterday due to dirt getting inside of it; High pressure testing from SF 21 to SF 35.

On December 7th, safety theme identified as 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, traction aids; high of minus 10, good road conditions, clear skies; SF 5, west side, valve installed, crews in the trench packing down dirt with two tamping machines, one excavator is slowly backfilling the trench while one other excavator and one dozer break up chunks of dirt for the trench; SF 22B, east side, sheet metal piles being removed from the ground; SF 22B, west side, semi hauling rig mats out of the site; SF 42, west side, sandblasting crew on sight sandblasting the pipe, preparing to install the valve, there is a pre caution sign in place to warn workers of sandblasting, all the ladders in the trench are tied down and properly secured.

On December 8th, safety theme identified as 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, traction aids; High of minus 6, clear skies good road conditions. Fine clean and bleach when entering new R.M, or land owner requested wash; SF 5, west side, one dozer and two excavators backfilling the valve/pipe, one of the excavators has a hydraulic packer on it and is packing the ground down around the valve; SF 22B, west side, all sheet metal piles removed from the ground; SF 22B, east side, two cranes with hydraulic vibrators are removing the sheet metal piles from the ground; SF 42, west side, still waiting for the pig to go through the pipe but it malfunctioned again, pipe is sandblasted where it will be cut for the valve to go in.

Photos of Sites Visited & Topics Discussed This Week

December 3, 2018



Description & Location:

SF 5, photo facing west, crews preparing to install white valve.



Description & Location:

SF 22B, photo facing east, rock trucks preparing to dump dirt over top of pipe.



Description & Location:

SF 22B, photo facing west, trench backfilled with dirt.



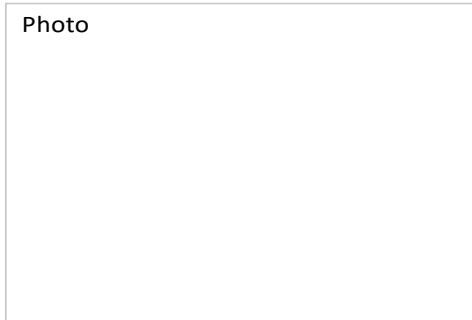
Description & Location:

SF 22B, photo facing east to the other side of the creek, trench being backfilled.

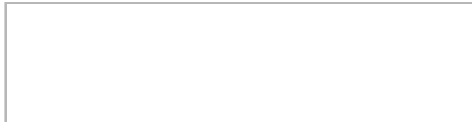


Description & Location:

SF 22B, photo facing west, rock trucks dumping dirt on pipe, dozer then pushing that dirt down the pipe.



Description & Location:



December 4, 2018



Description & Location:

SF 5, photo facing west, valve is in place,
two side booms holding pipe.



Description & Location:

SF 22B, photo facing east, crews
backfilling the pipe.



SF 40A, east side, one excavator building up
the hill bank.

December 5, 2018



Description & Location:

SF 5, photo facing west, valve installed, sandblasting crew on sight sandblasting the pipe.



Description & Location:

SF 22B, photo facing north, excavator removing sand points from the ground.



Description & Location:

SF 22B, photo facing north, aqua damns removed from both sides of the creek.



Description & Location:

SF 22B, photo facing east, dozer pushing dirt over pipe, excavators moving misc things around.



SF 22B, photo facing north west, boom semi truck loading up short pieces of pipe.

December 7, 2018



Description & Location:

SF 5, photo facing west, crews packing down dirt in the trench with two tamping machines.



Description & Location:

SF 5, photo facing west, excavator slowly backfilling pipe.



Description & Location:

SF 22B, photo facing east, sheet metal piles being removed from the ground.



Description & Location:

SF 42, photo facing east, crews sandblasting the pipe.

December 8, 2018



Description & Location:

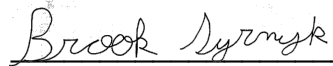
SF 5, photo facing west, crews backfilling pipe/valve.



Description & Location:

SF 22B, photo facing east, sheet metal piles being removed.

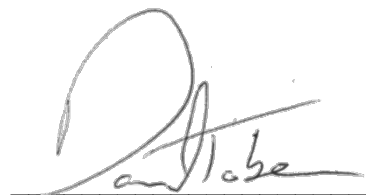
APPROVALS



Brook Syrnyk
Construction Monitor

December 18, 2018

Date



Daniel Tober
Senior Environmental Scientist

December 18, 2018

Date