

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 7

NOVEMBER 13TH TO NOVEMBER 17TH

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 seven. 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 17th, 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	Nov 13/18; MB-054 semi-permanent marsh (class 4) wetland complex SSKP		

		<p>840+700 Access crew in area; Nov 15/18; RD#27 (SSKP 839 +200) Banister is prepping the aqua dam at SF 27 going east towards SF 28. This aqua dam site is a wetland area MB-053 ephemeral /temporary marsh (class 1/class 2) wetland complex.</p>		
Watercourse Crossing	N/A	<p>Nov 17/18: watercourse crossing MB-WC-31 ID# Drainage SSKP 903+000</p>		

Additional Observations and Summary of Activities or Concerns

On November 13th, Medic's camp 1-780-329-9183, Virden Hospital (204) 748-1230 Emergency 911, hunting season has started make sure you have your high visibility vest on, make sure you have your boot cleats on the ROW is slippery; Temp minus 7, Wind chill minus 24 in the morning and minus 12 in the afternoon; UV index 1 or low.

MB-054 semi-permanent marsh (class 4) wetland complex SSKP 840+700 Access crew in area; RD#1 (SSKP 808+568) Banister is de-watering at sf 1. The bore pipe has been installed under the roadway. All gas jugs on site are in drip trays. The site is very clean and organized; RD#28 (SSKP 840 + 882) Banister prepping the aqua dam site. The crew on site is pumping water so banister could start building a ramp to get across this wetland area. This area is a semi-permanent marsh (class 4) wetland complex. They will be installing wetland ramps with material from the borrow pit east of sf 27; RD#28 (SSKP 847 + 200) Banister back filling at sf 28 going east. They are using spotters to make it easier for the excavator to back fill; RD#38 (SSKP 863 +400) Monitor the excavating that's going on at sf 38 and running the pilot hole. Archaeologist was on site;

On November 14th, Medic's camp 1-780-329-9183; Virden Hospital (204)748-1230 Stars Emergency Link Centre 1-888-888-4567 Site ID#2832; Hunting season has arrived make sure you wear your high vis at all times; Make sure you have cell service on the ROW just case of an emergency; Temp 1, Wind chill minus 15 in the morning UV index 1 or low; RD#12 (SSKP 819 +500) Monitor banister prepping the de-watering site, the crew were drilling holes at the de-watering site to get the system up and running; RD#20 (SSKP 826 +700) Monitor banister welding tie-ins west of sf 20. Site is very clean and organized; RD#28 (SSKP 840 +882) re- assess the aqua dam west of sf 28, things are going very well at this site. The crew is doing a very good job of keeping it clean; RD#37 (SSKP 861 + 600) Banister spraying beet juice and tree sap on top of the topsoil. This keeps the topsoil from being blow away in windy conditions.

On November 15th, Stars Emergency Link Centre 1-888-888-4567 Site ID# 2832 Medic's camp 1-780-329-9183; Virden Hospital (204) 748-1230, do not use cruise control on slippery roads, hunting season has arrived make sure you wear your high vis at all times on the ROW; Temp 1, Periods of snow. Snow mixed with freezing rain early in the morning, wind becoming north 20 km/ gusting to 40 near noon, follow all bio security; RD#17 (SSKP 824 +900) Monitor Banister removing some ice from the trench at sf 17. Banister prepping the trench so they could go ahead and installed the trench box and do an x-ray on the pipe; RD#27 (SSKP 839 +200) Banister is prepping the aqua dam at SF 27 going east towards SF 28. This aqua dam site is a wetland area MB-053 ephemeral /temporary marsh (class 1/class 2) wetland complex.

RD#28 (SSKP 840 +882) Banister is making very good progress with this aqua dam at sf 28. They have pump all water to the other side of the dam. Ready to put down the geo-tech and building a ramp out of sand. Hauling ramp material from the borrow pit.

RD#38 (SSKP 863 +371 to 863 + 983) Banister is prepping the native prairie site. Banister will be reaming 38" and installing the trench box at this site. Archaeologist was on site.

On November 16th, Stars Emergency Link Center 1-888-888-4567 Site ID#2832; Medic's camp 1-780-329-9183; Virden Hospital (204)748-1230; Buckle up your seatbelt before you start to drive, follow speed limit at all times, hunting season has arrived make sure you have your high vis on at all times; Temp -9, wind chill near minus 18, UV index 1 or low, follow all bio security; RD#5 (SSKP 816+200) Monitor banister tackifier moving east of sf 5. The crew is spraying beet juice and tree sap. This application keeps the topsoil from being blown away; RD#14 (SSKP 821 +100) Banister doing a very good job of cleaning the site at sf 14. The crew is removing some fencing and geo-tech at this site; RD#28 (SSKP 840 +882) Monitor banister at the aqua dam hauling sand material from the sand hills east of sf 28. They also laid down some geo-tech to protect the wetlands. This area is a wetland area MB-054 semi-permanent marsh (class 4); RD#28 (SSKP 848 +400) Monitor banister at SF 28. The crew is moving east of SF 28 doing some back filling. The site is very clean.

On November 17th, Medic's camp 1-780-329-9183, Virden Hospital (204)748-1230, Make sure your windshield is clear before you start to drive away, do not speed, follow the speed limits at all times, hunting season has arrived make sure you wear your high vis, do not use your cell phone while driving, dress for the cold weather; High minus 12, Wind chill minus 33 in the morning and minus 22 in the afternoon. Risk of frostbite, UV index 1 or low, watercourse crossing MB-WC-31 ID#, drainage SSKP 903+000 Tackifying crew area; RD#63 (903+400 to 904+200) Banister has completed applying beet juice and tree sap from (903 +400 to 904 +200). From SF4 to SF 63, the ROW is very clean and organized; RD#61 (903 +000) Banister has completed applying beet juice and tree sap also at sf 63. This area was a watercourse crossing MB- WC-31 ID# Drainage; RD#28 (840 +882) Monitor banister hauling ramp material from the sand hills east of sf 28 to the ramp west of SF 28; RD#50 (883 +500) Banister has completed the bore pull under highway 2. The crew will be removing fencing and moving across the highway 2. Banister will be digging the entry pit and prepping to install the trench box. They are also waiting for a corrosion test before they could start the back filling.

Photos of Sites Visited & Topics Discussed This Week

November 13, 2018



RD#1 (SSKP 808 +568)

De-watering station
Photo taken facing west



RD#1 (SSKP 808 +568)

Banister doing a good job of putting gas
in drip trays at the de-watering station
Photo taken facing west



RD#28 (SSKP 840 +882)

Banister prepping the aqua dam
pumping water so they could get across
the wetland
Photo taken facing west



RD#28 (SSKP 847 +200)

Banister back filling at sf 28
Banister using spotters to backfill
Photo taken facing east

November 14, 2018



RD#12 (SSKP 819 +500)

DE-Watering system
The crew prepping the site for the
de-watering system
Photo taken facing west



RD#20 (SSKP 826 +700)

Banister tie-ins crew
The site is very clean and organized
Photo taken facing west



RD#28 (SSKP 840 +882)

Aqua Dam
This is a wetland area MB-054
semi permanent marsh (class 4)
Photo taken facing west



RD#37 (SSKP 861 +600)

Banister spraying beet juice and tree sap
To keep the topsoil from being blow
away
Photo taken facing west

November 15, 2018



RD# 38 (SSKP 863 +371 to 863 +983)

This area is the native prairie
Banister going to do some reaming 38"
and installing the trench box
Photo taken facing east



RD#28 (SSKP 840 +882)

Aqua dam sf 28
Banister pretty much done pumping
water
They will be laying down geo-tech and



RD#27 (SSKP 839 +200)

Aqua dam sf 27 going east
Banister prepping the site to pump water
Photo taken facing east



RD# 17 (SSKP 824 +900)

Banister cleaning the ice out of the trench
Photo taken facing south

November 16, 2018



RD#5 (SSKP 816 +200)

This is the tackifier crew
This where they spray beet juice and tree
sap
To keep the topsoil from being blown away
Photo taken facing east



RD# 14 (SSKP 821+100)

Banister clean up crew at sf 14
Crew is doing a very good job of cleaning
Photo taken facing west



RD#28 (SSKP 840 +882)

Banister at sf 28
Banister hauling sand across the wetland
MB-054 semi permanent marsh (class 4)
Photo taken facing west



RD#28 (SSKP 848 +400)

Banister doing some back filling at sf 28
They are using eco bags on top of the
pipe
as a anchor they use these in wetland

November 17, 2018



RD#63 (SSKP 903 +400)

Banister has completed applying
beet juice and tree sap from
(903 +400 to 904 +200)
Photo taken facing west



RD#61 (SSKP 903 +000)

Banister did a good job of applying the
beet juice and tree sap by the
watercourse
Photo taken facing east



RD#50 (SSKP 883 +500)

This is where the bore pipe was installed
under highway 2
Photo taken facing south

Photo

Right Click
Change Picture..

Description & Location:

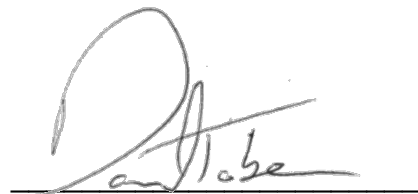
APPROVALS



Arnold Breland
Construction Monitor

November 22, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 22, 2018

Date