

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

**INDIGENOUS CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 7**

**OCTOBER 9<sup>TH</sup> TO OCTOBER 13<sup>TH</sup>**

## 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 October 9<sup>th</sup> to October 13<sup>th</sup>, 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	Rare plant in area andropogon haliii sand bluestem (s2)		
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	2	SF12 (KP820+100) Wetland		NO

		<p>mb:1039 semi-permanent marsh (class4) SF28 (KP 843+100) Wetland: mb-060 broad leaf swamp wetland complex. Oct 10, 2018 SF28 (KP 845+600) Wetland: MB065 (class 4) seasonal marsh. Oct 11, 2018; SF7 (KP817+700)WETLAND-MB:1039 SEASONAL MARSH. There is a 10meter buffer from the wetland. SF7(KP817+800)WETLAND-MB:1039-2 SEASONAL MARSH. There is a 10 meter buffer from the wetland. October 12, 2018: (SF29)-(KP850+851)WETLAND AREA : MB-074 SEASONAL MARSH WETLAND COMPLEX. SF29 (KP 850+850) WETLAND AREA: MB-073 SEASONAL MARSH AREA (CLASS 3) work ongoing. October 13, 2018; SF4 (KP 815+300) WETLAND AREA: MB- 1037 SEASONAL MARSH (CLASS 3) SF 4(KP815+100)</p>		
--	--	--	--	--

		WETLAND AREA:MB-1037 SEASONAL MARSH (Class 3).		
Watercourse Crossing	N/A			

### Additional Observations and Summary of Activities or Concerns

On October 9<sup>th</sup>, slips, trips and falls, congested sites, weather, wildlife. Stop at all railway crossing, don't work alone. Have cell service in case of an emergency. Have a tailgate meeting before going on the ROW; Temp 4, Follow all Bio Security, risk of freezing drizzle in the morning; SF4 (KP 813+200 ) Monitor Banister tie-in crew. The tie-in crew is responsible for filling in and connecting any gaps left in the pipeline. Workers in the tie-in crew need to perform a variety of tasks. SF10 (KP 820+100) WETLAND: MB-1039 (Class4) SEMI PERMANENT MARSH. Banister was fencing along the wetland to keep the cattle away from the ROW. SF28 (KP 841+700) Monitor Banister Poor Boy welding crew going east down the ROW; SF28 (KP 843+100) Monitor Banister welding crew by WETLAND: MB-060 BROAD LEAF TREED SWAMP WETLAND COMPLEX; Work forecast: Go back and monitor the ROW tomorrow.

On October 10<sup>th</sup>, slips, trips, falls, congested sites, weather, wildlife; Temp 2 Follow all Bio Security.SF28 (KP 844+700); SF28(KP843+900) Monitor Banister using a spotter when backing up the bus on the ROW; SF28(KP844+700)RARE PLANT AREA: The name of the rare plant is a ANDROPOGON HALIII SAND BLUESTEM (S2); SF28(KP845+600)Monitor Banister Welders by the WETLAND:MB065 (Class 4) SEASONAL MARSH; SF6 (KP816+800) The ditch wheel was trenching at SF6.The lower end crew was also at SF6 prepping to lower the pipe into the trench; Work forecast: Go back and monitor the ROW in the morning.

On October 11<sup>th</sup>, slips, trips, falls, congested sites, weather, wildlife; Temp 2, Follow all Bio Security, UV index 3 or moderate; Temp 2, Follow all Bio Security, UV index 3 or moderate; SF7(KP 817+700 ) Monitor the WETLAND-MB-1039 SEASONAL MARSH. There is a 10 meter buffer from the wetland; SF7 (KP 817+700) Monitor the WETLAND:MB-1039-2 SEASONAL MARSH. There is a 10meter buffer from the wetland; SF8 (KP817+600) Banister was pumping water from the trench to the pig pen. Filter bag is attached to the discharge hose and direct into the pigpen. They also have a silt cloth in the box of the pig pen. These measures are intended to prevent sediment to enter our water ways; SF30 (KP 850+500) Monitor the Beveling crew are doing a good job of cleaning up as they move along down the ROW; Work forecast; Going back and monitor the ROW.

October 12<sup>th</sup>, slips, trips, falls, wildlife, weather; SF29 (KP850.59 +851.000) Monitor Banister Welding Crew by the WETLAND AREA-MB74.The wetland area is a seasonal marsh wetland complex (class 3)There is a 10 meter buffer by the wetland. They have the wetland stake out very well. There is also geo-tech put down on the wetland to protect the wetland. SF29(KP850.34+850.36)Monitor Banister Welding Crew by WETLAND AREA-MB073 this wetland is a seasonal marsh wetland complex (Class4 ) The site's by the wetlands are very clean as the welding crews moves forward; Work forecast: go Back tomorrow and monitor the welding crews by the wetlands;

October 13<sup>th</sup>, slips, trips, falls, weather, congested sites, Medic's-camp 1-780-329-9183, Don't work alone down the ROW. Have cell service just in case of an emergency; Temp 7, UV index 4, Follow all Bio Security; SF4 (KP 815+100) Monitor the WETLAND AREA:MB -1037. This wetland area is a SEASONAL MARSH (CLASS 3 ) All wetlands area are very well identify; SF4 (KP815+300)Monitor WETLAND AREA : MB 1037.This wetland area is also a SEASONAL MARSH (CLASS 3); SF8 (KP818+000) Monitor BANISTER TIE-INS. The TIE-IN CREW is responsible for filling in and connecting any gaps left in the pipeline. Anywhere there is a tie-in, a backhoe operator will widen the ditch in that area to make more room for the crew to manoeuver; Work forecast: Go back Monday morning and monitor the ROW.

## Photos of Sites Visited & Topics Discussed This Week

**October 9, 2018**



SF12 (KP 820+100)

WETLAND: MB-1039 (CLASS 4)  
SEMI PERMANENT MARSH. This is where  
Banister was fencing.  
PHOTO TAKEN FACING WEST



SF12(KP820+100)

This is the WETLAND: MB-1039.(Class 4)  
SEMI PERMANENT MARSH. Banister was  
fencing along the wetland.  
PHOTO TAKEN FACING SOUTH



SF28(KP843+100)

Banister main welding crew.  
WETLAND: MB-060. BROAD LEAF TREED  
SWAMP WETLAND PHOTO TAKEN FACING  
EAST





SF12(KP820+100)

This is the WETLAND: MB-1039. (Class 4)  
SEMI PERMANENT MARSH. Banister was  
fencing along the wetland.  
PHOTO TAKEN FACING SOUTH



SF28(KP843+100)

This is where Banister main welding crew  
were welding by the wetland.  
PHOTO TAKEN FACING EAST.

## October 10, 2018



SF28 (KP 844+700)

Rare plant in area andropogon halii sand  
bluestem photo taken facing north



SF28 (KP 844+700)

Banister is welding in the area of the rare plant area. The area is very well staked out to identify the area. PHOTO TAKEN FACING WEST.



SF28(KP 845+600)

WETLAND:MB-065 SEASONAL MARSH (CLASS 4) Banister is welding next to the wetland Everything is stake out very well



SF6 (KP 816+800)

The excavator is prepping the trench so the ditch wheel could start trenching. PHOTO TAKEN FACING SOUTH

October 11, 2018



SF8 (KP817+600)

WETLAND: MB-1039-2. There is a 10 meter buffer from the wetland PHOTO TAKEN FACING WEST



SF8 (KP 817+600)

Banister is prepping the silt cloth for the pig pen. So they could contain the water from the trench. PHOTO TAKEN FACING SOUTH.



SF8 (KP 817+800)

This is what we call a pig pen. These measures are intended to prevent sediment pollution into the land. PHOTO TAKEN FACING SOUTH.



SF(850+500)

This is Banister beveling crew. These are the guys that do the clean up after the beveling is complete on the pipe (Metal Shaving)  
PHOTO TAKEN FACING SOUTH.

### October 12, 2018



SF29 (KP850.89+851.000)

WETLAND AREA-MB074 SEASONAL MARSH  
(Class 3) PHOTO TAKEN FACING EAST



SF30 (KP 852+400)

WETLAND AREA:MB 074 SEASONAL MARSH  
(Class 4)This is where the welding crews are welding by the wetlands. They have a 10 meter buffer. PHOTO TAKEN FACING NORTH.





SF30 (852+400)

WETLAND AREA:MB-076  
SEASONAL MARSH WETLAND COMPLEX  
This is where the welding crew is working  
PHOTO TAKEN FACING NORTH



SF29 (KP850.34+850.36)

WETLAND AREA :MB-073 (Class 4)  
SEASONAL MARSH WETLAND COMPLEX  
PHOTO TAKEN FACING EAST

### October 13, 2018



SF4 (KP81+300)


WETLANDS AREA: MB-1037  
SEASONAL MARSH (CLASS 3)  
PHOTO TAKEN FACING WEST



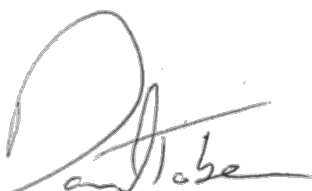
SF8(KP818+000)

This is the area where the TIE- IN CREW is going to do some tie-in and welding. Banister having little problems with water in the trench. PHOTO TAKEN FACING EAST

**APPROVALS**

  
\_\_\_\_\_  
Arnold Breland  
Construction Monitor

\_\_\_\_\_  
November 6, 2018  
Date

  
\_\_\_\_\_  
Daniel Tober  
Senior Environmental Scientist

\_\_\_\_\_  
November 6, 2018  
Date