

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

**INDIGENOUS CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 7**

**SEPTEMBER 24<sup>TH</sup> TO SEPTEMBER 30<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 September 24<sup>th</sup> to September 30<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			
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 September 25<sup>th</sup>, safety theme identified, slips, trips, falls, weather congested sites wildlife dusty roads: Environment: +9, UV index 4 or moderate, fog patches, clean and disinfect vehicle and boots, pick up garbage on the ROW when needed, wetland MB-054 semi-permanent marsh (Class 4) wetland complex, 1 Wetland MB-054 semi-permanent marsh SSKP 841+300 status work ongoing; SF15(822+300) Monitor Banister poor boy welding crew, the welding crew are moving very well down the ROW. They got as far down as SF 16 (823+300), all sites from SF4 to SF17 that we monitor are nice and clean; SF17(KP 824+500) monitor Banister welders, they were welding the pipe going towards SF20; SF23 (KP831+000) horizontal drilling was prepping the site for the bore pipe to be installed under the roadway (Highway 254); SF23 (KP830+900) Monitor Banister prepping the trench for the bore pipe to be installed under the roadway of (Highway 254); SF28(KP841+300) Reassess the wetland MB-054 semi-permanent marsh (class4) wetland complex. Banister did some very good progress with laying down the geo-tech and sand hauling. They have 30 meters to go with the geo-tech and the sand, before they could continue ahead they have to wait for confirmation from banister to move ahead because of the wetland.

On September 26<sup>th</sup>, safety theme identified, slips, trips, falls, weather, congested sites, wildlife, emergency response number, 911, check your cell phone for service once on site; follow all bio security. Clean and disinfect vehicle and boots, risk of freezing rain this morning, Wetland: 1 MB-060, broad leaf treed swamp wetland complex status work ongoing, Wetland: 1 MB-061, broad leaf treed swamp wetland complex status work ongoing; SF29(843+100) to (843+200) assess the wetland site:MB-060 Broad leaf treed swamp wetland complex; SF29(843+300) to (843+400) Assess wetland site :MB-061 Broad leaf treed swamp wetland complex; Work forecast: Go back on the ROW tomorrow and monitor.

On September 27, 2018, safety theme identified as slips, trips, falls, weather, wildlife, contact info for Medic-camp (1-780-329-9183): Temp +7, clean and disinfect vehicle and boots. Follow all bio-security, pick up garbage on the ROW when seen which doesn't happen very often, Wetland: 1 MB-071 SSKP 848+400 Semi-Permanent Marsh Class 4 Wetland Complex. Banister is building an Aqua Dam to get across the wetland. They are also building a ramp to get across the wetland; SF5 (816+062) Monitor Banister cleaning up the trench on the east side. They were pulling out the box in the trench hole and pumping water out. After all of that they were back filling the trench. This is where the bore pipe is located going under the roadway; SF21 (KP827+062) Monitor Banister welding crew. There was 5 welding shacks attached to the dozer's each dozer has a side boom; Welding shack number 1 their job is to do the inside hot pass; Welding shack number 2 and 3, their job is to weld the outside of the pipe where the pipe joints together; Welding shack numbers 4 and 5, their job is to do the final weld cap on the outside the pipe; SF29 (848+350) Wetland: MB-071 Banister are in the process of building an aqua dam across the wetland. They are pumping water from the north side to the south side of the aqua dam. They are also going to be laying down geo-tech and hauling sand and building a ramp across the wetland to protect the

wetland. They are doing very well to get across the wetland. Work forecast: Go back and monitor the wetland MB-071.

On September 28, 2018, safety theme identified, slips, trips, falls, weather, wildlife, contact info for Medic-camp (1-780-329-9183; Temp 5 , UV index 3 or moderate, follow all bio security; Wetland: MB-071 Semi- permanent marsh (Class 4) Wetland Complex Aqua Dam; SF29 (KP 848+800) reassess wetland mb-071 semi-permanent marsh (class4) wetland complex; banister is done pumping the water on the north side of dam for the aqua dam; in the process of laying down the geo-tech and building the ramp, the sand is in the front of the wetland ready to be move on the geo-tech, ready for banister to cross the wetland; SF4 (KP811+900) Monitor Banister lowering crew were in the process of putting the pipe in the trench. Ditch wheel is the piece of equipment that doing the trenching. The trench is 2 meter's deep and could trench 1kms a day. They also have 3 dozers with side boom. On the side boom there is a roller cradle that fits around the pipe and is suspended from the side boom. The pipe run's through the cradle rolling on it rubber roller or wheels. The rubber rollers are to protect the pipe as it being move to the trench; Work forecast: Go back and monitor the lowering crew installing the pipe.

On September 29<sup>th</sup>, safety theme identified as slips, trips, falls, weather, congested sites. Check for cell service when you get to your work site; Temp +10, UV index 4 or moderate. Follow all bio-security measures; Traditional Land Use : 1 heritage sensitive area : her-160 Archaeologists working in area and further action required: yes; Wetland : 1 Semi-Permanent Marsh Class 4 Wetland Complex aqua dam in process of finishing further action required: yes; SF29- (KP848+400) re-assess AQUA DAM MB-071; They will be done today with the AQUA DAM. The geo-tech and the sand hauling will be done today also. The reason for the sand hauling is they are building a ramp to get across the wetland. Banister is doing an amazing job of protecting the wetland; SF38 (KP863+392)Monitor the archaeologist at heritage sensitive area: her-160 .Native Prairie starts from KP number (863+300) to(864+000) .The archaeologist have found a known native camp 5000 years ago. Banister was roping the sensitive area off; Work forecast: Go back Monday and re-assess the native prairie (heritage sensitive area DJ mb-26).

## Photos of Sites Visited & Topics Discussed This Week

September 25, 2108



SF28(841+300)

Wetland MB-054 semi -permanent marsh  
(CLASS 4) wetland complex, photo taken  
facing west



SF28(841+300)

This is the stake that shows where the  
wetland begins. Wetland MB-054 semi-  
permanent marsh. Photo taken facing west.



SF23(KP831+000)

Monitor Banister Crew sweeping the mud of the roadway after the equipment cross highway 254, photo taken facing north



SF23(KP830+900)

Monitor Banister prepping the trench for the bore pipe to be installed under the roadway Highway 254 Photo taken facing west

## September 26, 2018



SF29(843+100)(843+200)

Wetland MB-060, broad leaf treed swamp wetland complex, photo taken facing west



SF29(843+300)(843+400)

Wetland MB-061. The start of the wetland broad leaf treed swamp wetland complex. Photo taken facing east



SF29(843+300) (843+400)

Wetland MB-061. Broad leaf treed swamp wetland complex, photo taken facing east.

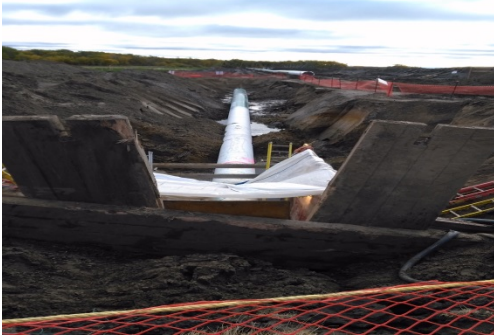


SF29 (843+100) (843+200)

Wetland-MB-060. Broad leaf treed swamp wetland complex, photo taken facing west.



September 27, 2018



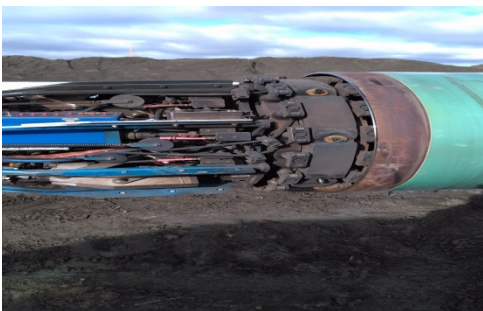
SF5(816+062)

This is where Banister is pulling out the trench box and pumping out water backing filling the trench. Photo taken east.



SF21 (KP 827+100)

These are the welding shacks that I was talking about on my report. Shacks 1,2,3,4 & 5, photo taken facing north.



SF21 (KP827+100)

This is an internal welding machine that does the welding inside the pipe



SF29 (848+350)

Wetland: MB-0571 AQUA DAM. This is where the crew is pumping water from the north side to the south side of the wetland. Photo taken facing west

### September 28, 2018



SF29(KP848+400)

Re-assess wetland mb-071 , semi-permanent marsh (class 4) wetland complex. Aqua Dam Photo taken facing west.



SF4 (KP811+900)

Banister lowering crew. The pipe is being put into the trench. Photo taken facing south east

September 29, 2018



SF(KP848+400)

AQUA DAM WETLAND MB-071. This is where banister laying down the geo-tech and the sand on the wetland. Photo taken facing west.



SF38(863+300)(864+000)

HERITAGE SENSITIVE AREA : HER-160  
This is where the archaeologist found a native camp that is as old as 5000 years old.  
Photo taken facing west.

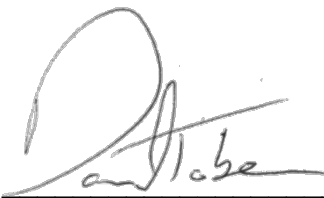
**APPROVALS**

  
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Arnold Breland  
Construction Monitor

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November 27, 2018

Date

  
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Daniel Tober  
Senior Environmental Scientist

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November 27, 2018

Date