



**SGS MUSCOWPETUNG**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD # 3**

**JANUARY 15<sup>TH</sup> TO JANUARY 21<sup>ST</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)	0			
Rock Formations (rocks of significance, tipi rings, etc.)	0			
Artifacts	0			
Bones	0			
Potential Gravesites	0			

### Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	0			
Aquatic Life	0			
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	1	Cleaning up ramps and Geotech over wet lands	Ongoing	No
Watercourse Crossing	1	South Saskatchewan River Crossing. Horizontal directional drilling and testing the water turbidity.	South Saskatchewan Crossing ongoing.	Ongoing

## Additional Observations and Summary of Activities or Concerns

The horizontal directional drilling at the South Saskatchewan River is currently still an ongoing process. Mears group has drilled out with the 48-inch reamer and they tripped back and did a wiper clean on the bore hole. They have pulled the drag section pipe Friday and worked through the night, it took approximately 22 hours. As of yesterday, they were stuck with 30 metres left to pull. The pipe was stuck at a pipe casing at the entry point.

Reclamations of wetlands was ongoing all week but are currently all done on spread three. All waterways are completed where they were needed. Alley ways for cattle were installed and fences built. All access approaches that were needed to be removed have been completed. No concerns.

Installation of two valves were completed they were welded and coded and currently just awaiting inspection approval then they will be buried.

Golder Associates are still testing the turbidity of the water on the east side of the river and it has remained consistent throughout this week.

## Photos of Sites Visited & Topics Discussed This Week



GOLDER ASSOCIATES RETRIVING WATER SAMPLES



EQUIPMENT ALL SET UP FOR DRAG SECTION





TAIL END OF THE BORE BEING PULLED





VALVE



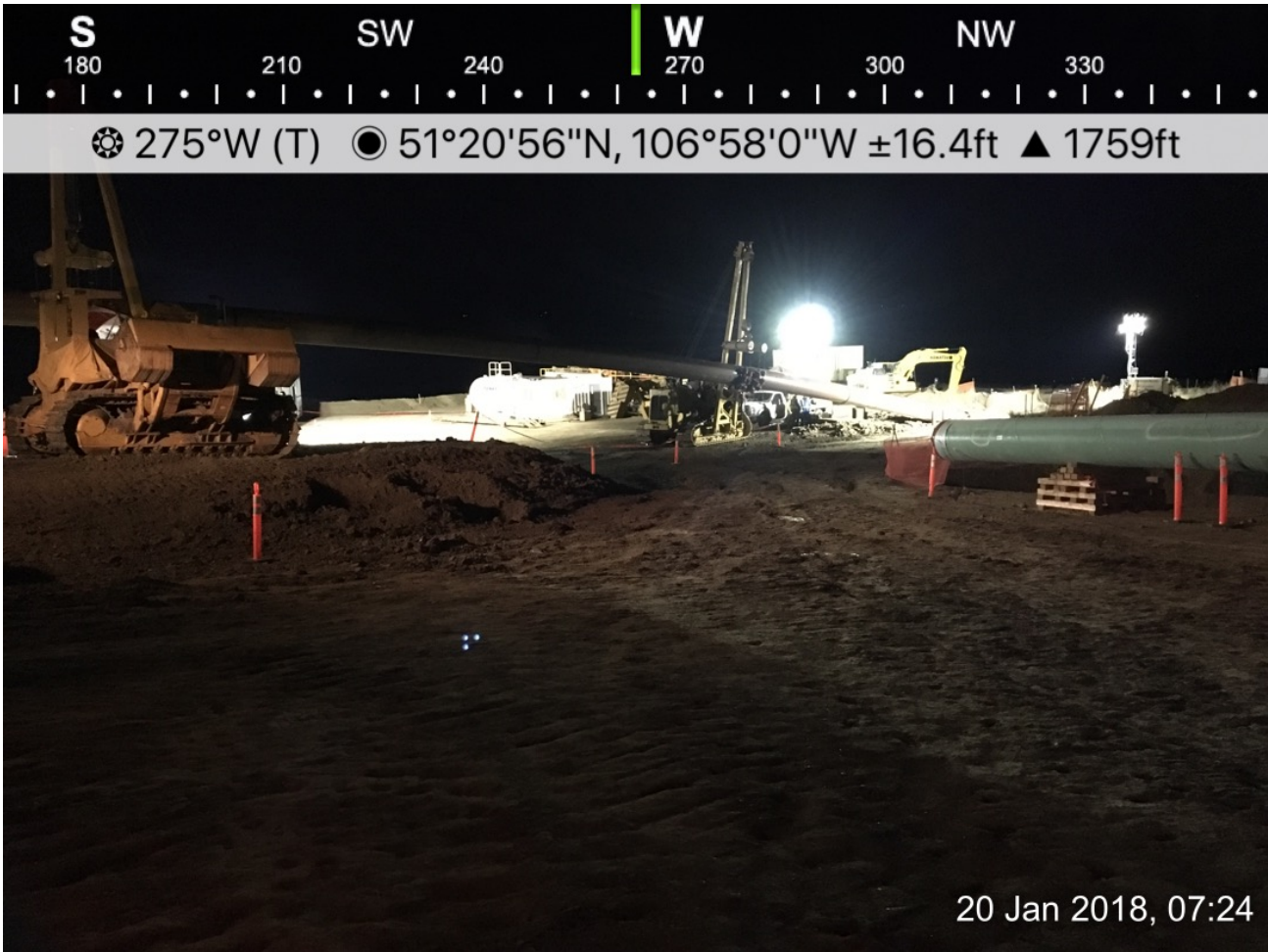
CREW MOVING SOIL PILE OUT OF THE WAY FOR DRAG SECTION





PULL HEAD





DRAG PULL OF PIPE



WET LAND RECLAMATION





ENTRY POINT





WETLAND RECLAMATION

## Approvals

### Prepared by



---

Gary Gopher  
Senior Construction Monitor

---

January 21, 2018

### Reviewed by



---

Joseph Roach  
Project Manager

---

January 21, 2018

### Approved by



---

Emmanuel Olotu, P.Eng.  
Technical Manager, Geotechnical

---

January 21, 2018