



Site/Project Location: Spread 7-8 Morton & Dunn Counties

Date of Inspection: 21 October 2016

Inspected Spread 7-8 of pipeline ROW approximately starting near Fort Rice, North Dakota and concluding near Zap, North Dakota.

Observed Work / Weather Conditions

Visit occurred between 9:30 a.m. – 4:30 p.m. Weather included mostly cloudy to partly cloudy skies with unrestricted visibility. No precipitation during visit. SSE wind at 6 mph gusts to 13 mph. No precipitation during visit. ROW surface was dry. Temperature 34 - 54° F.

Grading, Stringing/Skids, Bending, Road Bore, Trenching, Lowering In, Backfill, Tie In, and HDD crews were observed active. MP 159 topsoil stripping and soil segregation was ongoing. Care was taken around wetland boundaries and cultural resource delineated boundary. ROW survey stakes remain.

Top Soil Management / Condition / Erosion Control / Stormwater Management

Topsoil and subsoil segregation appeared to be adequate. Topsoil depth was as thin as 0.5" on hilltops while up to or exceeding 12" on the bottom of hill slopes. A majority of the top soil and subsoil piles from stripping and trenching showed clear separation. Where subsoil and topsoil piles were bordering each other it appeared to occur near where the ROW was narrowed near wetland crossings. Even though they were bordering each other, it was observed care was taken to keep the soils segregated. Storm water BMPs remain in place and in good repair. Drainage points protected with straw bales or silt fence were cleared of silt.

Vegetation Condition

Near MP 159 vegetation stripping was occurring and no trees or shrubs were observed along the ROW. Adequate vegetation buffer at wetland crossings were in place. Near MP 79 the ROW was already seeded and cover crop was growing.

Depth of Cover / Road Crossings / River Crossings / Riparian Condition at HDD Bore Sites

Open trench areas observed appeared to be at specified depth or deeper. Silt fence was implemented to prevent any sediments from entering. Matted road was built over the crossing as it connects HDD bore pads.

Other Project Issues

During the inspection Keitu found one area flagged off from construction traffic adjacent to the ROW. Christian Patrick, Environmental Inspector – Energy Transfer, informed Keitu that an unanticipated discovery was found on or around October 15, 2016 which resulted in a ROW reroute that was approved. It appears that the project is following their unanticipated discovery plan and communicated with Keitu that project archaeologists are working with the ND SHPO. At the time of the inspection on October 20, 2016 Keitu did not find any dockets filed on the PSC website in reference to the reroute. It is possible these documents have been filed but not made publicly available at the date of the inspection.

Deficiencies

None to report.

Actions Taken/To Be Taken

Highlight reported reroutes on interim report to PSC staff. Follow-up on the issue at PSC's discretion.

Keitu Inspector: KRF

Inspection Report Submitted: 24 October 2016

Report Photo #1 Subsoil and Topsoil Segregation



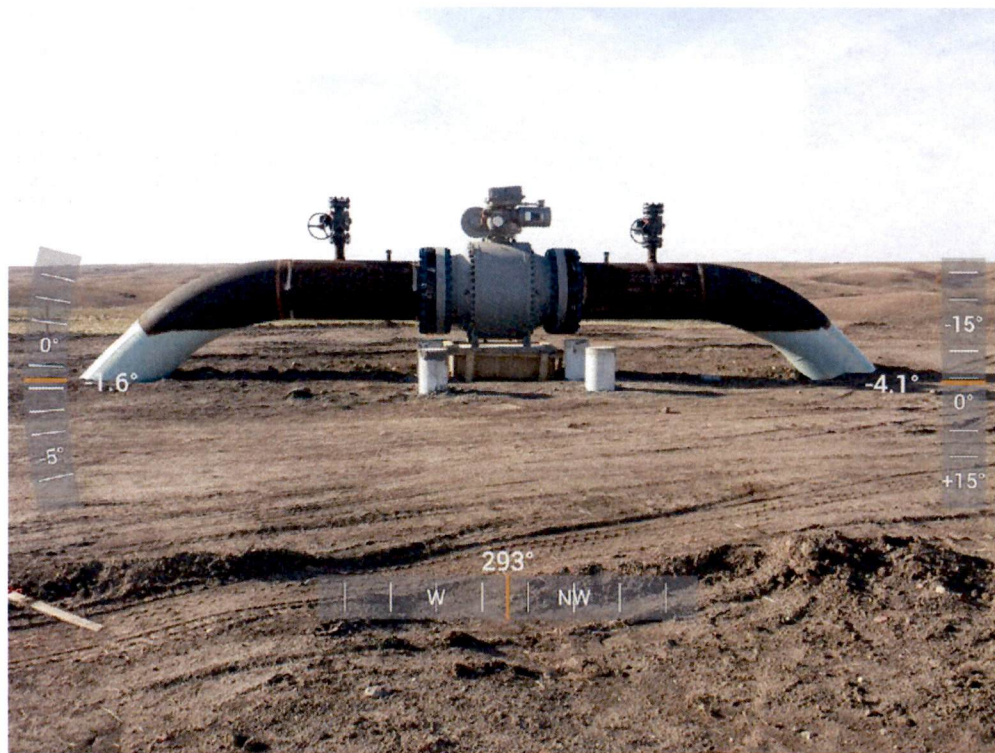
Report Photo #2 Sodic Soils Area



Report Photo #3 Permanent Gates Being Installed



Report Photo #4 Valve Being Installed



Report Photo #5 Topsoil Stripping



Report Photo #6 Waterbody Crossing



Report Photo #7 BMPs along Wetland



Project Map Inspection Locations:

Spread 7-8

