

**Executive Summary:**

A construction inspection was performed on a portion of Spread 7 ROW in Morton County near Cannonball, North Dakota. Overall, the inspected areas of the project were in good condition and care has been taken to minimize impact and construct the pipeline as planned. "Dry moats" have been dug outside the approved work area for the Lake Oahe bore pipe strings. Subsoil from these pits have been placed on top of topsoil.

**Site/Project Location:** Spread 7 in Morton County

**Date of Inspection:** 10 November 2016

**Observed Work / Weather Conditions**

Visit occurred between 1:00 p.m. – 2:30 p.m. Weather included sunny skies with unrestricted visibility. No precipitation during visit. SE wind at 7 mph. ROW surface was dry. Temperature was 59° F.

Clean up crews were observed working. Care was taken around wetland boundaries and cultural resource boundaries. ROW survey stakes remain in place.

**Topsoil Management / Condition / Erosion Control / Storm Water Management**

Topsoil and subsoil segregation appeared adequate throughout the inspection area. Crews had started topsoil replacement at MP 166 and were continuing west from that point. No evidence of topsoil and subsoil mixing or improper replacement was noticed. Erosion controls installed in areas crews had previously been prevented from working in due to protest activity. All items appeared to be properly placed and in good repair.

**Vegetation Condition**

Vegetation removal and topsoil stripping were completed up to MP 166. Adequate vegetation buffer at wetland crossings were in place. The ROW was narrowed to approximately 50 feet through wooded areas.

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

The 30-inch pipe was in and backfilled for almost the entire area inspected - MP 161 through MP 166. Chris Grant, Lead Environmental Inspector for DAPL stated the pipe was buried with a minimum of 48 inches of cover with some areas being deeper. Open trench locations observed pipe appears to be at proper depth or deeper.

**Other Project Issues**

There were dry moats trenches dug along the bore pipe string staging workspace for the Lake Oahe crossing. They appeared to be outside of the temp workspace and traveled most of the length of the bore pipe. In some areas, the subsoil from the trench was placed on topsoil that was not previously stripped. (See Photo #8) Chris Grant of DAPL stated that they were installed as an extra security measure to help keep unauthorized persons from gaining access to the pipe. The trenches are located on property owned by Energy Transfer Partners.

**Deficiencies**

"Dry moats" have been dug outside the approved work area for the Lake Oahe bore pipe strings. Subsoil from some of these pits have been placed on top of topsoil. All these areas are on reportedly DAPL owned land.

**Actions Taken/To Be Taken**

Document items to PSC staff and complete follow-up actions as directed.

**Keitu Inspector:** MJF

**Reviewed by Project Lead:**

**Report Submitted:** 18 November 2016

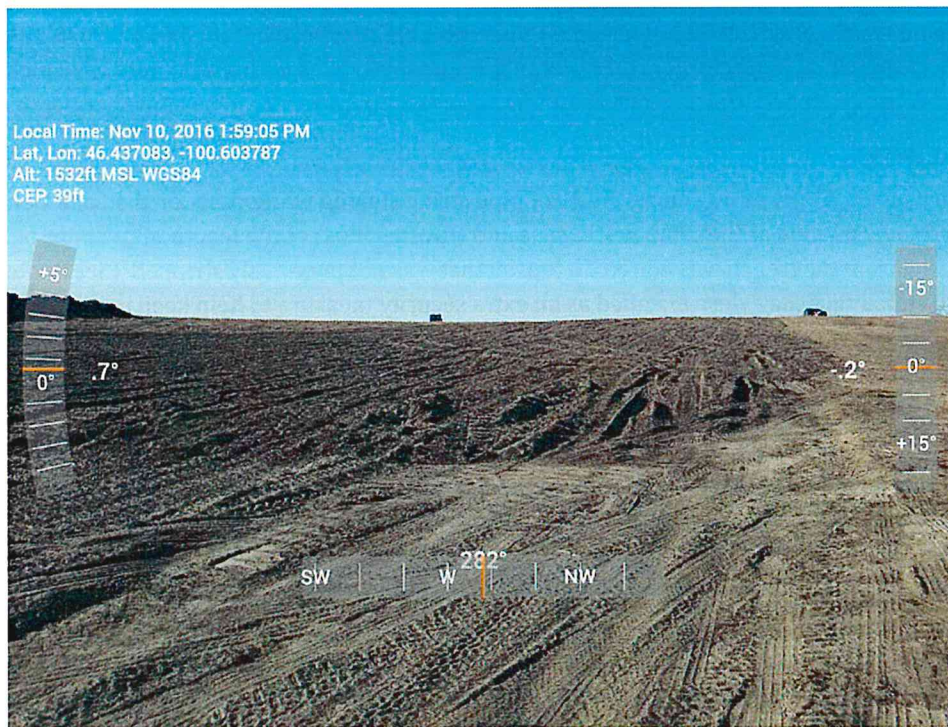


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**Report Photo #1 Silt Fences and Erosion Matting Protecting Wetland**



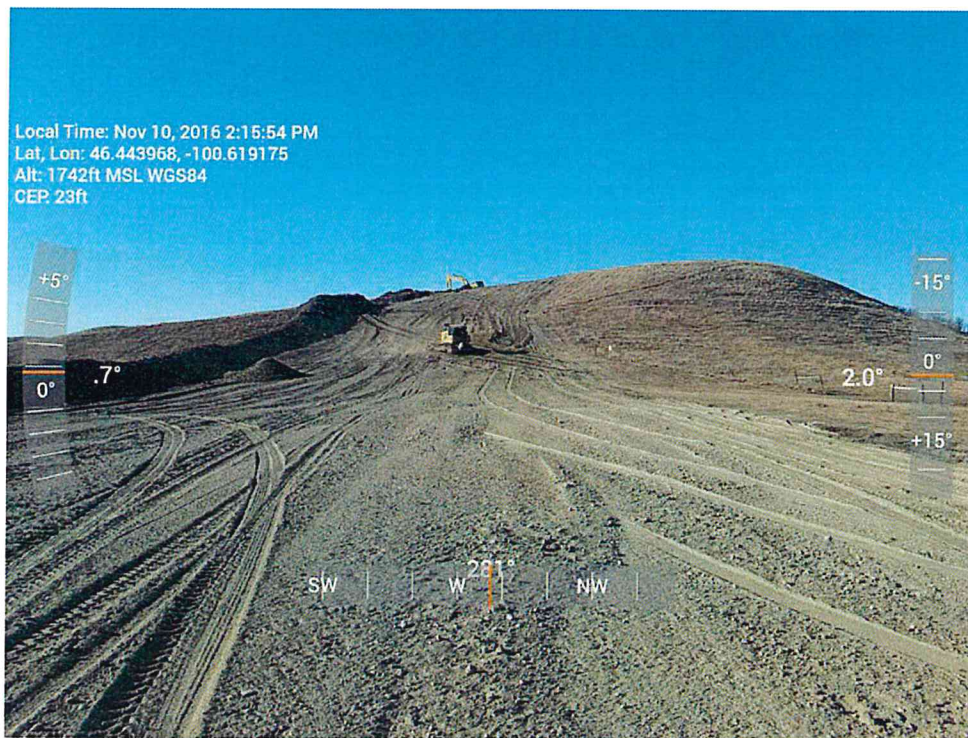
**Report Photo #2 Beginning of Topsoil Replacement**



**Report Photo #3 Replacing Topsoil**



**Report Photo #4 Recontouring Hillside**



**Report Photo #5 ROW Narrowed for Wooded Area**



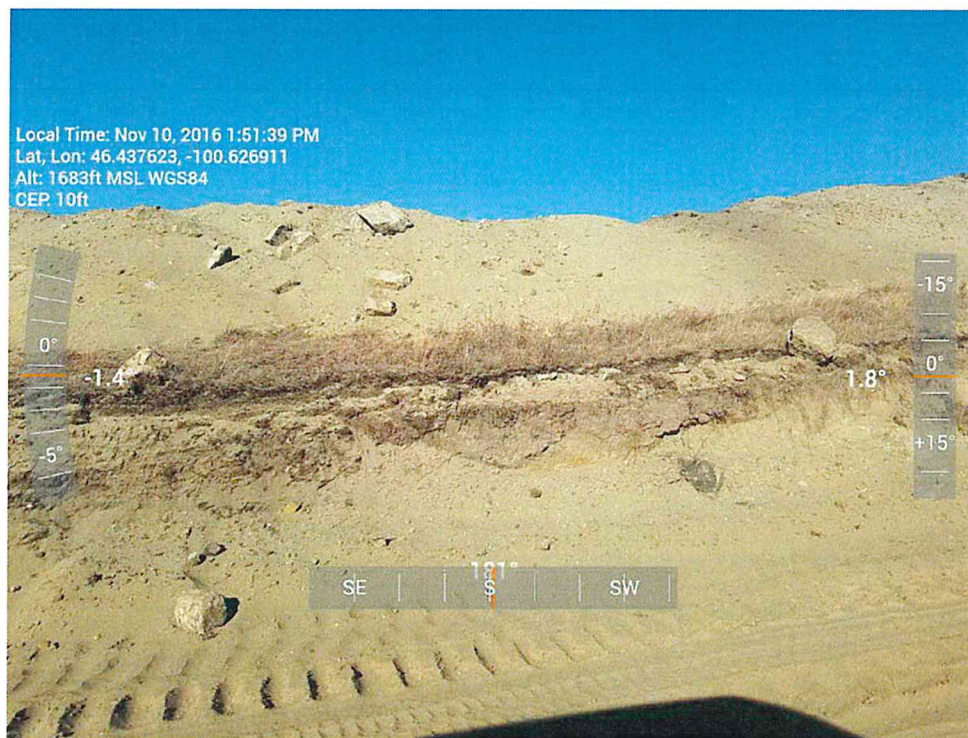
**Report Photo #6 Bore Pipe Staged for Lake Oahe HDD**



**Report Photo #7 Prepping Bore Pad and Bore Tie-in Area**



**Report Photo #8 Subsoil from Security Trench Placed on Topsoil**



**Project Map Inspection Location:**

Spread 7

