

Site/Project Location: MDU 12" Water Pipeline

Date of Inspection: 22 June 2022

Keitu staff visited the MDU 12" Water Pipeline project for a construction inspection. Inspection of construction site focused on (1) confirming surface disturbance/work occurring within ND PSC-approved work corridor and/or route; (2) topsoil segregation occurring; (3) vegetation removal consistent with tree & scrub mitigation plan; and (4) storm water runoff and sediment control.

Observed Work / Weather Conditions

Visit occurred between 2:00 p.m. to 3:30 p.m. The weather was mostly sunny, temperature at 80°F, winds at 10-15 mph out of the south and no precipitation.

The 12" pipeline project has been underway since May of 2022. At the time of the inspection, construction activities consisted of completing the HDD bore under 38th Street. Topsoil was cleared along the ROW and the pipe was in the ground and backfilled with subsoil. A second HDD bore underneath a wetland area was completed prior to the inspection.

Trenching activities observed during the inspection consisted of an excavator removing subsoil to a depth of 12-13 feet and backfilling with the removed subsoil once the pipe was in the ground. Trenching activities were nearly complete for the Project at the time of the inspection. The ROW was walked and found to be in good condition and silt fences on both sides of the ROW were working properly.

Top Soil Management / Condition / Erosion Control / Stormwater Management

During the inspection, stripped topsoil was segregated in berms on one side of the ROW. There were no subsoil piles on the ROW as all excavated subsoil was replaced as backfill during trenching activities. The outside of the areas cleared for boring activities. The topsoil piles were properly segregated from any removed subsoil. Erosion control and stormwater management BMPs were in good condition and working effectively.

Vegetation Condition

No trees or shrubs were removed at the time of the inspection.

Deficiencies

No deficiencies were noted during the construction inspection.

Actions Taken/To Be Taken

Reclamation and revegetation seeding will likely be completed in the summer of 2022. Topsoil removed along the ROW will be used for revegetation and reclamation.

Keitu Inspector: ZAP

Inspection Report Submitted: 6 July 2022

Report Photo #1 "Trenching Activities Near Heskett Tie-In"



Report Photo #2 "Trench Depth"



Report Photo #3 "Subsoil Piles During Trenching Activities"



Report Photo #4 "Bore Location Under 38th Street"



Report Photo #5 "Bore Location on North Side of Wetland"



Report Photo #4 "Bore Location on South Side of Wetland"



Site Location Map

