



MEMORANDUM

TO: Neil Soltis, Administrator, City of Scandia

FROM: Jed Chesnut, Wetland/Natural Resource Specialist

DATE: May 25, 2016

RE: **Zavoral Mining and Reclamation Project – Monitoring and Inspection Report
2015 Inspection #1 – April 27, 2016**

As per the contract (16-01) between the Washington Conservation District (WCD) and the City of Scandia (City), WCD staff performed site inspection and monitoring tasks pertaining to Technical Services of Exhibit B. This memorandum serves as a summary of applicable activities and reviews. The site inspection took place on April 27, 2016. Christina Morrison of Tiller Corporation (Tiller) was present and provided a descriptive tour of the project area. Each service area is listed below with a summary description of results.

1. Technical Service 3 – Erosion and Sediment Control Inspections
 - a. Task 1 – Site Inspection
 - i. Active mining was not occurring during the site visit.
 - ii. Silt fence that had been installed in 2013 as per the stormwater pollution and prevention plan (SWPPP) was in good shape. The silt fence throughout the project area was still effective for perimeter control.
 - iii. Much of the Phase III mining area had been excavated over the winter. The eastern project limits north of the driveway to the owner’s cabin were inspected. The silt fence in this area was still fully functional and there was no disturbance of the vegetated buffer outside of the fenced-in mining area (see photo).
 - iv. The actively mined areas now all drain internally.
2. Technical Service 4 – Threatened and Endangered Species
 - a. Task 1 – Conduct Site Reviews to Document Compliance with Blanding’s Turtle SOP
 - i. The site was in compliance with the mitigation measures as listed in Appendix C of the Zavoral Mine FEIS.
 - b. Task 2 – Annual Inspection of Site and Monitor T&E Listing Status of Butternut Tree
 - i. The status of the butternut tree (*Juglans cinerea*) had been changed to “endangered” on August 19, 2013. As a result, removal of a butternut tree after August 19, 2013 would require permitting from the Department of Natural Resources. One non-diseased tree has been identified on the property, outside of the mine limits. WCD did not verify its presence during the April site review, but will at a later site review.
3. Technical Service 5: Reclamation Plan Review and Inspection
 - a. Task 2 – Conduct Site Inspections to Verify Implementation of the Restoration Plan
 - i. Grading of Reclamation Phase II was mostly complete. Some erosion of the soil occurred over the winter and spring melt and Tiller will be repairing these areas in preparation for seeding of the prairie.
 - ii. Early-season growth of the prairie was evident.
 - iii. In 2015 Tiller planted the “wooded transition zone” in Reclamation Phase I. The protection around the installed trees and shrubs was in good shape and the plants within seemed to be viable. Additional monitoring will be conducted during the

growing season of 2016 to ensure the plants were successfully installed and survived the winter.

This ends the reporting of WCD's April 2016 monitoring activities. Please call me with any questions at 651-330-8220 x25.

Phase 3 mining
area



Road to owner's
cabin







