

Field Report – Brunswick Township

Date: June 21, 2010
Project Title: Brunswick Township Erosion Control Project
Project #: 2009-05
Agency: Brunswick Township
Person Completing Report: Gladys Nelson, Township Clerk
Project Leader: Paul Kollar, Supervisor
Phone Number: 320-272-4933

Problem:

Brunswick Township is building a light weight tire fill on an existing road across a swamp. The tire fill must be placed on a fabric stabilizer. A silt fence is required between the construction area and the swamp to prevent damaging the wetland. The problem is, it is hard to properly anchor the silt fence to the ground in swamp areas.

Solution:

The townships solution is to extend the stabilization fabric to the construction limits and attach it to 2x2 stakes to form a positive erosion control barrier.

Procedure:

A working relationship was established between Consultant, Richard Larson and Tire Supplier, Monte of First State Tire in Isanti, MN. They worked to create the steps needed to place the fence, how to provide stability to the fence and posts. All procedures were developed to comply with the required Storm Water Permit issued by MN Pollution Control Agency.

Results:

The placement and staking of the fence served several purposes: 1) A guideline was established for tire placement. 2) Placement of dirt on top of the tires was easier to control and reform the slope, if needed. 3) Any run off damage done prior to good establishment of the slope seeding was controlled. 4) Fence can be removed, in 2-3 years, when road bed and slopes are settled.

Status:

The slopes are showing some signs of ditching but no sediment is reaching the wetland area. The placement of the fence is holding up well despite areas of drainage.

Total Duration of Project: 15 months

Project End Date:

Project was started in July, 2009 and will be completed by October, 2010.

Approximate Cost of Entire Project: \$ 67,000.

Total OPERA Funds used for Project: \$ 10,000.

TAKEN DURING CONSTRUCTION



Taken June, 2010

