

Acme Township VGT Development
Storm Water Run-Off

October 7, 2014

I made a site visit to the Village of Grand Traverse on Tuesday October 7, 2014. I walked from Elmer's site trailer near M72 down the slope toward the Williamsburg Dinner Theater. There is an existing ditch/pathway running parallel to M-72 holding water. This ditch/pathway originally directed surface runoff from a portion of the site toward the retention basin at the Williamsburg Theater. The original runoff pathway has been interrupted by the installation of the sanitary sewer to the VGT site. Due to limited cover on the sanitary sewer where it crossed this channel the channel was filled limiting the flow that can exit the site via this channel. Three rows of silt fence were placed in the low area in the vicinity of the channel as it leaves the site and discharges to the retention basin of the Williamsburg Theater. Water within the Williamsburg Theater basin was milky in color, however after walking around the basin I could not locate an outlet and therefore sediment appears to be contained.

I continued to walk south parallel to the westerly property line of VGT. The area was seeded and mulched however the ground was saturated with some standing water. I then walked up the grade back toward the westerly site stormwater basin. Several rows of silt fencing some with hay bales and some with stone were observed as I proceeded up the slope. Two of the upper most silt fences were holding back soils which should be cleared before a large storm where additional erosion could add to the soil and cause the silt fences to fail. When Steve Folkersma (Elmer's site superintendent) was encountered on site the location of the silt fences were pointed out and a suggestion that soils behind these silt fences should be removed. Steve stated he would take care of the issue.

While on-site Elmer's was pumping water out of the westerly storm basin. The discharge was being treated and the outlet was further discharged through a filter bag to a grassed area. The water leaving the filter bag appeared to be mostly clear.

Elmer's was also pumping water out of the easterly storm basin so they could complete work on the basin. Water from the easterly basin was being pumped to tanker trucks and hauled off site. According to Steve the hauled water was being discharged away from Acme Creek on property out on Bunker Hill Road.

Site work included paving of the Meijer lot, installing some storm sewers along the site's northerly road parallel to M-72 and at a crossing of the main access road south of M-72.

Based on a conversation with Steve Folkersma as long as weather cooperates Elmer's plans to have all areas tributary to the easterly basin surfaced or seeded and mulched the basin cleaned and ready to put it in service in a week. Other disturbed areas and the road from Lautner Road to M-72 (with exception of the connections to Lautner and M-72) will be completed in two plus or minus weeks.

In general it appeared the contractor (Elmer's) was taking all practical efforts to control erosion and sediment from leaving the site and working as fast as conditions allowed to cover the disturbed areas.

It was noted Pete Bruski from the County was being driven around the site by Elmer's to inspect the soil erosion measures while I was on the site doing my walk through.

Clyde L. Johnson, P.E.
Manager Engineering Services
MDEQ Storm Water Certification 03750