

VILLAGE OF MANSFIELD
DRAINAGE, STREETS, AND ALLEYS COMMITTEE MEETING
January 16, 2018

The Village of Mansfield Drainage, Streets, and Alleys Committee met at the Northern Piatt Fire Protection District building on Washington St. in Mansfield at 6:30pm with Todd Jones presiding. Roll was taken with Todd Jones, Ron Konen, and Andy Stiger physically present. Zach Reynolds was absent.

In attendance were also Tom Overmyer from Phoenix Engineering and Michael Schroeder from the Dewitt-Piatt Bi-County Health Department.

DISCUSSION ITEMS

Connections to Village Tile System

Schroeder provided a brief overview of septic system sizing and installation considerations along with changes required by the EPA's 2014 NPDES (National Pollutant Discharge Elimination System) Rules. Schroeder said that the soil limiting layer, or seasonal high water table, has to be 2 feet below the sub-surface discharge system. If a soil report indicates that the limiting layer at a site is too high, as it is in much of Mansfield, then it must be addressed somehow.

Schroeder said that in some cases if a Village drain tile runs adjacent to a site then that can be enough to lower the water table and permit the installation. If a Village tile does not run close enough then a curtain drain is required to ensure the water table stays 2 ft. below the leach field. The curtain drain discharge would then be connected to the Village's tile system.

Schroeder said that in cases where the tile system elevation requires it a lift pump would be installed to pump water from the curtain drain into the Village tile. Schroeder said that since the curtain drain is not connected to the leach field in any way only clear groundwater would be getting discharged into the Village tile system.

Schroeder also said that direct discharge of aeration system waste was no longer allowed under the current rules.

Overmyer asked if any testing is done on the water produced by the curtain drains to ensure that contamination is not occurring. Schroeder said that his department does not conduct any testing of that sort, but the Village could require such testing if it desired.

Overmyer recommended that the Village require the installation of sampling ports in any connections to the Village tile system.

Overmyer also recommended requiring a saddle tap or similar product for the actual connection to the village tile system in order to avoid damage or the introduction of obstructions in the Village tile.

Schroeder said that the Health Dept. would be fine with whatever requirements the Village might specify for connections to the tile system.

Schroeder also said that the Village shouldn't remove the section of ordinance for permitting the direct connection of aeration systems to the tile system. He said that in cases where a small lot does not permit the installation of any type of drain field then there is a process directly through the EPA where an exception can be granted and which requires extra treatment and regular sampling and testing of discharge water.

Jones asked if the Village could require annual sampling and testing and Schroeder said yes, that would be fine.

Jones asked about what to do when a drain tile was not nearby or accessible. Schroeder said that discharging the curtain drain above ground is fine if there is space, but it tends to produce nuisance complaints if done in town.

Overmyer suggested that the Village should not allow cutting of sidewalks or roads for the installation of discharge lines.

Jones brought up sewer systems and Overmyer said that installing a sewer system in Mansfield could be done. He said that Bondville installed a sewer system within the last 10 years and didn't have to build a treatment plant because they pump their sewage to Champaign. Overmyer said that Mansfield could do something similar possibly with Farmer City or Mahomet.

New Budget Items

Jones said he had not yet received some estimates he was waiting on for this topic.

Overmyer said he thinks a tile jetter is a good idea. He said that even a small tile will carry a lot of water when it's clear.

Schroeder suggested that if the Village is looking in to cleaning up its tile system then the Health Dept. could provide a list for the Village to follow up on of septic systems that may be discharging sewage into the tile system.

With no further business to discuss, by unanimous consent the meeting was adjourned.