MAIDENCREEK TOWNSHIP BOARD OF SUPERVISORS

MAY 12, 2016

ENGINEER'S AGENDA

Subdivision Review Status Checklist

- **Next Supervisors Meeting June 9, 2016.**
  - No plans currently under review

Subdivision / Zoning / LDP

- Conditional Use Application for Assisted Living Home at 384 Evansville Rd. – **Hearing held on April 14; BOS decision rendered on April 28.**

Projects

- **Stormwater Projects**
  - **Walnut Manor Tree Dr. – video of pipe completed, see attached plan.** (1)
  - **Ina/Rt. 73 – Lindbergh/Adele – on hold.**
- **2016 Street Paving. Liquid Fuel Budget $266,370.00**
  - **Lee Spring Rd. & portion of Evansville Rd. advertised to receive & open bids on May 18 at 11:00am; presents bids to BOS on June 9.**
  - Evansville Rd.

Subdivision Improvement LOC / Escrow Release

Sewage Enforcement Officer Activity Report (2)

Mark Kitzmiller

From: Mark Kitzmiller
Sent: Wednesday, April 20, 2016 4:17 PM
To: maidentwp@gmail.com
Cc: Tom Unger; Pamela Stevens
Subject: Walnut Manor Storm Sewer TV
Attachments: walnut manor TV results reduced.pdf

Diane:

Today's TV project revealed three major issues (I understand Randy dropped off a disk – I have the files, too):

1. On the pipe where the Township recently repaired the sinkhole, the "bad" part of the pipe is about 60 feet long. It is OK downstream of the sinkhole. This could be replaced relatively easily (as compared with going down W. Walnut Tree Dr. with pipe).
2. The pipe between Lots 73 and 74 is crushed (near intersection with Regent), in the lawn about 60 feet from the curb. Just at one single location – not sure of the cause.
3. The pipe that leads downstream to the endwall is up to half full of silt, mud, gravel, etc., causing backups in the lines, and should be jetted & vacuumed, and cleaned out at the outfall.

Following is a detailed summary of the results (please see attached plan for a cross-reference). Items in red are critical:

CB#1 to CB#2:

1. 15" CMP and is clear (minor gravel debris).

CB#2 to MH#4:

2. At CB#2, pipe starts out as a 15" CMP then transitions to a 15" HDPE at 20 feet from CB#2.
3. About 53 feet from CB#2, the 15" HDPE is crushed in from the sides; possible tree roots. Capacity is impeded to about 20%.
4. About 48 feet from MH#4, 5" HDPE and has a protruding rain leader connection that extends about 1/3 into the 15" pipe. Camera could not pass this location; however, pipe looks good as far as can be seen beyond this point (i.e., probably OK to the crush point above).

CB# to MH#4:

5. Starting at CB#3, 15" HDPE and has slight to moderate sags but joints appear intact and generally clear to about 310 feet (loose, but heavy debris at about 12 feet from CB#3).
6. About 220 feet from CB#3, the 15" HDPE has a substantial sag. Joints appear to be intact.
7. About 310 feet from CB#3 (downstream toward MH#4), the 15" HDPE is broken and bend downward. Pipe break prohibits continuing from this direction.
8. Starting from other end, MH#4, pipe is an 18" HDPE with slight to moderate sags, but joints appear intact and pipe is clear to about 260 feet.
9. About 260 feet from MH#4 (upstream toward CB#3) the 18" HDPE is broken and bent downward. Pipe break prohibits continuing from this direction. This means there is about 60 feet of "bad pipe", and it occurs in the same area where a sinkhole had been repaired.

MH#4 to Outlet Endwall:

(1)

10. Starting at MH#4 moving downstream toward the outlet endwall, pipe is a 24" CMP that appears to have a good alignment to about 125 feet.
11. About 125 feet from MH#4 (downstream toward outlet endwall), pipe is severely blocked (up to half the pipe) by debris (mud, silt, sediment, gravel, etc.). Access to this pipe from the outlet endwall was impossible without cleaning.

Mark A. Kitzmiller

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MAIDENCREEK TOWNSHIP
SEO ACTIVITY REPORT
4/1/16 - 4/30/16

Date	SDE #	App. #	Applicant/Activity	Fee Paid to Date By Applicant	Billed/Paid	Chk #
4/5/2016	16-0019-0471	Z187417	Robin Nagle; Koller Rd - Renew expired permit to install a new sandmound.	$168.00		
4/19/2016	16-0019-0300		Mark K. - Research property soil test history for real estate transaction.			
4/29/2016	16-0019-0300		Communications with Mo Farvardine and Township regarding planning module status. Mo asked if SEO could attend the court date for his divorce to clarify the expenses and what work was necessary to obtain planning approval. SEO declined.			

(N)

Cc: T. Unger 2 copies
SEO Desk