

**Phillips Drive Drainage Issues
Wednesday, September 27, 2017
Meeting Minutes**

I Opening Meeting – Statement from Philip Cootey

- Neighborhood happy discussion of Habitat for Humanity home was put to rest.
- Drainage Issues have been presented across administrations
- Thanked Mayor and City for addressing groups concerns and being proactive and looking forward to seeing response letter and addressing water issues

II Mayor Holaday

- Discussed first aware of issues in April when walked neighborhood back in May and disturbed the project has not moved forward.

III Jon-Eric White

Work performed to-date:

- Reviewed Residents' Comments. Began responses.
- Reviewed record Plans, deeds, plans, soil data, etc.
- Reviewed Cherry Hill Drainage Report and design Plans
- Held discussions with residents
- Began hydrologic and hydraulics modeling of Philips drive neighborhood and Cherry Hill
- Began camera work and pipe/structure cleanout.

Primary Issues:

- #1 Groundwater
- #2 Surface Flooding
- #3 Roadway Construction

Existing Conditions:

- Philips Drive – prior to development was a wetland with tight, impervious soils with perched groundwater.
- Cherry Hill
 - Pre-development: A tree (shrub) farm with well and impermeable soils. Development had three main water discharge locations.
 - Post-development: Maintained 3 original discharge locations. Post-development runoff rate considerable less than Pre-development runoff.

Preliminary Findings and Potential Mitigation:

- #1 Groundwater
 - Philips neighborhood built on poor draining soils
 - Cherry Hill development appears to retain more water post development than pre-development.
 - Consider installing impervious dams around existing sewer trench (trench acting as channel for water).
 - Consider installing subdrains in roadway.

- Consider installing perimeter drains around homes.
- #2 Surface Flooding
 - Small Scale: Roadway surface flooding can be improved with curbing, additional catchbasins and roadside gutters.
 - Large Scale: construction of secondary drainage system consisting of swales/berms behind residential properties.
- #3 Roadway Construction
 - Consider reconstructing roadways and install subdrains in roads.

Questions:

Where FEMA funds received?

- Mayor replied that the FEMA application was broad and many areas of interest, including Philips Drive, were included in the study. Money was received and the former DPS director chose to use the funds in the Industrial Park. Once funds are allocated for a specific project they must be used for that.

Did Council get to vote for where funds are used?

- Councilor O'Brien made note that 'No 'Council did not take a vote to where the funds are use.

Concerns/Notes:

- Owner of 6 Drew Street has a catchbasin in their backyard which they believe outlets to pipe that connects Drew Street to Ryan Road. She believes water is coming from Sullivan, over the properties to Drew Street. She said her yard is constantly flooding.
- Owner of 14 Philips Drive cleans out stream inlet before big storms. Pipe is too small to control amount of flow into culvert. Afraid property will flood more if additional water is put into system before increasing the system downstream to handle additional flow.
- Owner of 47 Philips Drive stated that since the construction of (The Gallagher's) new addition his sump pump has been running constantly.
- Owner of 63 Philips (high spot) stated that they are on top of ledge and they (along with additional residents at meeting) that the ledge runs from Storey Ave across her property, diagonally through the development in the direction of the stream outlet.
- Mosquito Control will potentially help clear out overgrown wetland areas.
- Project will be part of Capital Plan for next year

Mayors Request:

- 1) Prioritize
- 2) Address hill prior to winter for resident safety
- 3) Next Steps
- 4) Update Neighborhood on Progress – End of November

First Steps:

- List of clogged drains and structures to Highway Division
- Clean drains in November (once leaves have fallen)
- Camera additional drains/structures once clean.