

Public Outreach Meeting: Woodcrest, Willis, Upper Weadley Stormwater Improvements



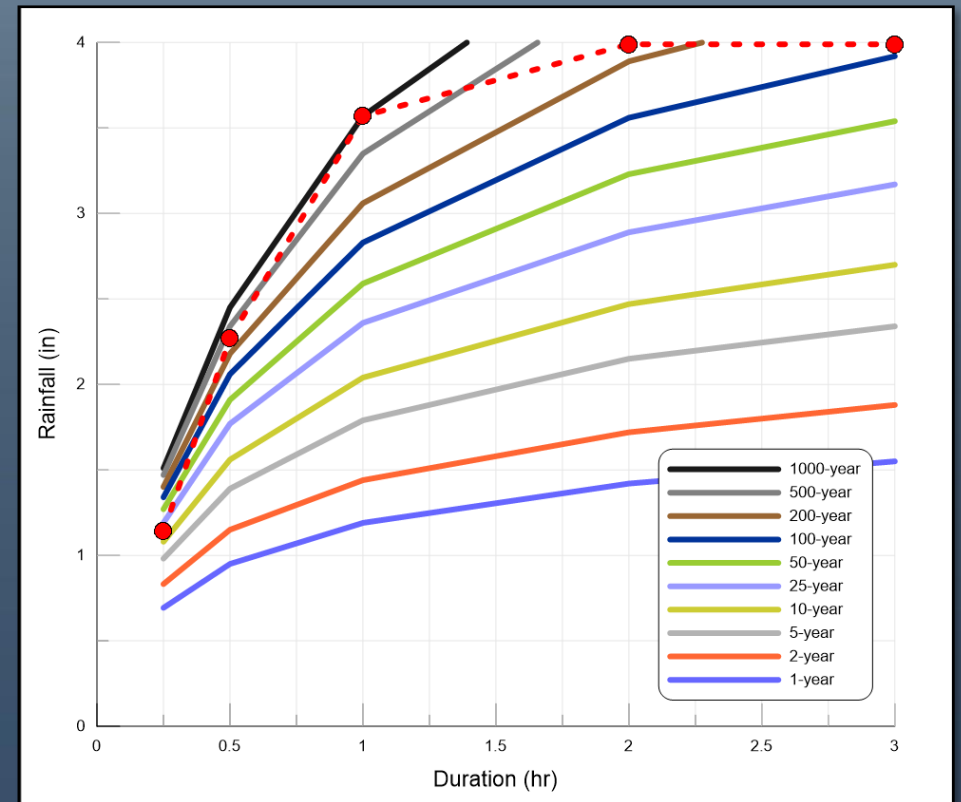
Problem Statement

- Private and public property has been impacted by flooding.
- This residential area of the Township was built prior to modern stormwater management.
- Some of the existing stormwater infrastructure is near or past its original design life.



Problem Statement

- Rain events are becoming more frequent and intense.
- The flooding is getting more frequent and intense.
- The natural steep terrain of the area generates high flow rates and carries significant amounts of debris.



Previous Outreach Meeting

- Held at the Tredyffrin Township Municipal Building
- Gathered input from residents regarding flooding concerns in the neighborhood and potential improvements.
- Attendees helped identify the areas of most concern.



Project Objectives

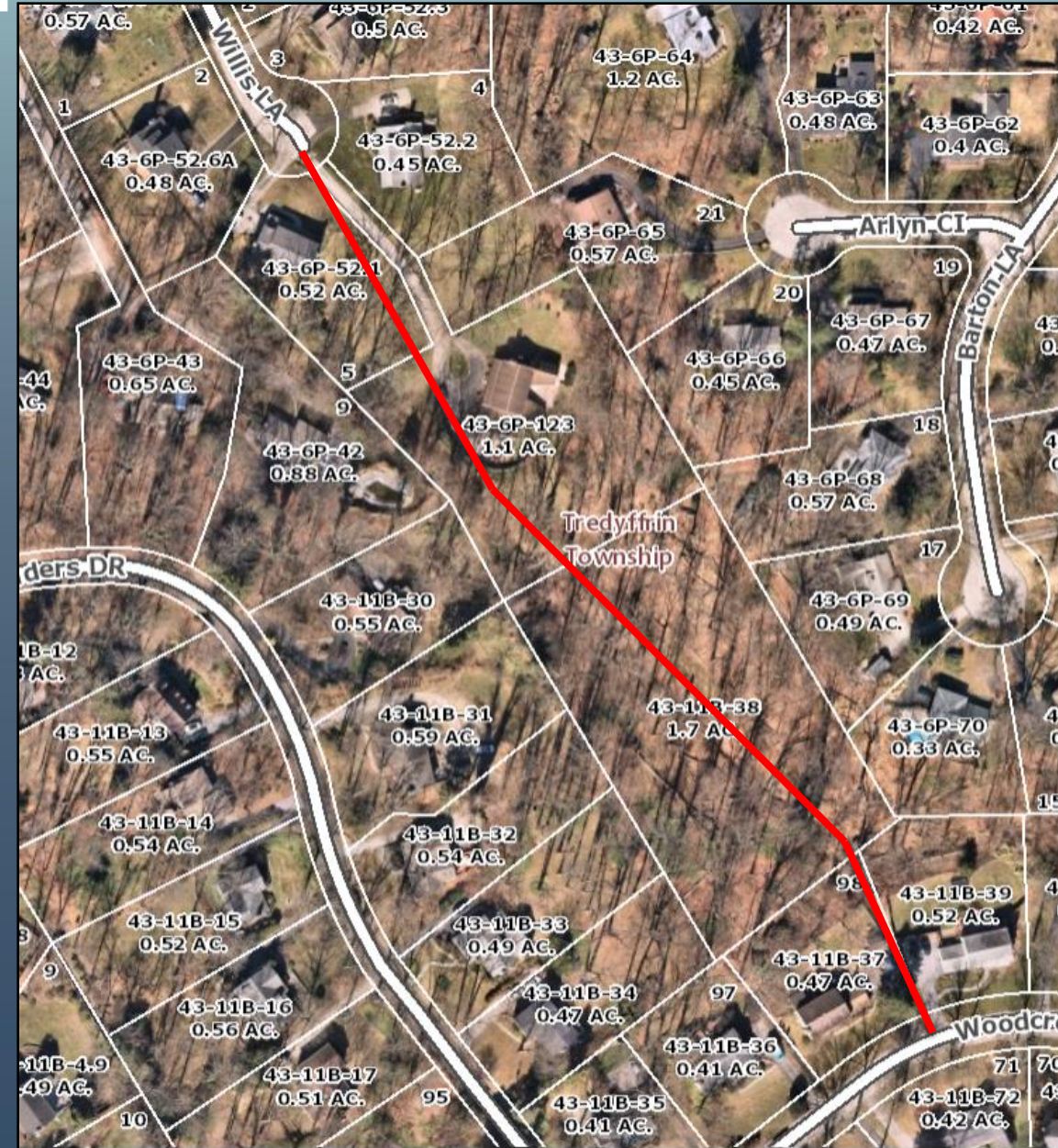
- Replace aging existing infrastructure.
- Install new inlets and pipes to improve drainage and increase the ability to handle debris.
- Improve stormwater management (volume and rate reduction) and flood control measures.

Drainage Area

- Drainage Area: ~ 70 acres
- Very steeply sloped
- Nearly 100% built out.
- Very little opportunity to construct stormwater controls outside of the Township right-of-way.

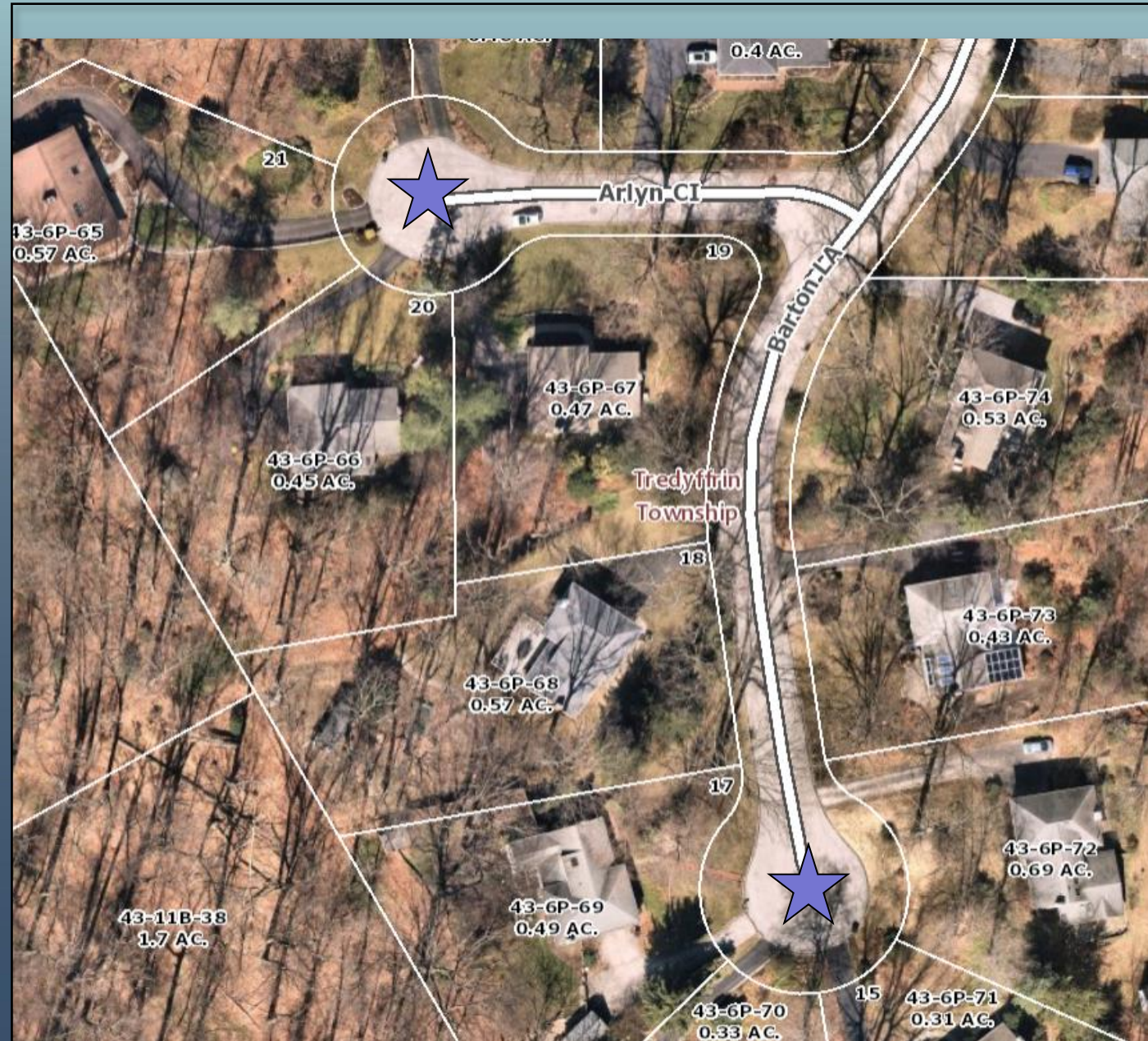


Stormwater Easement Area



Barton Lane and Arlyn Circle

- Installation of subsurface detention facilities within right-of-way.
- Design will maximize runoff storage with minimal impact to existing utilities.



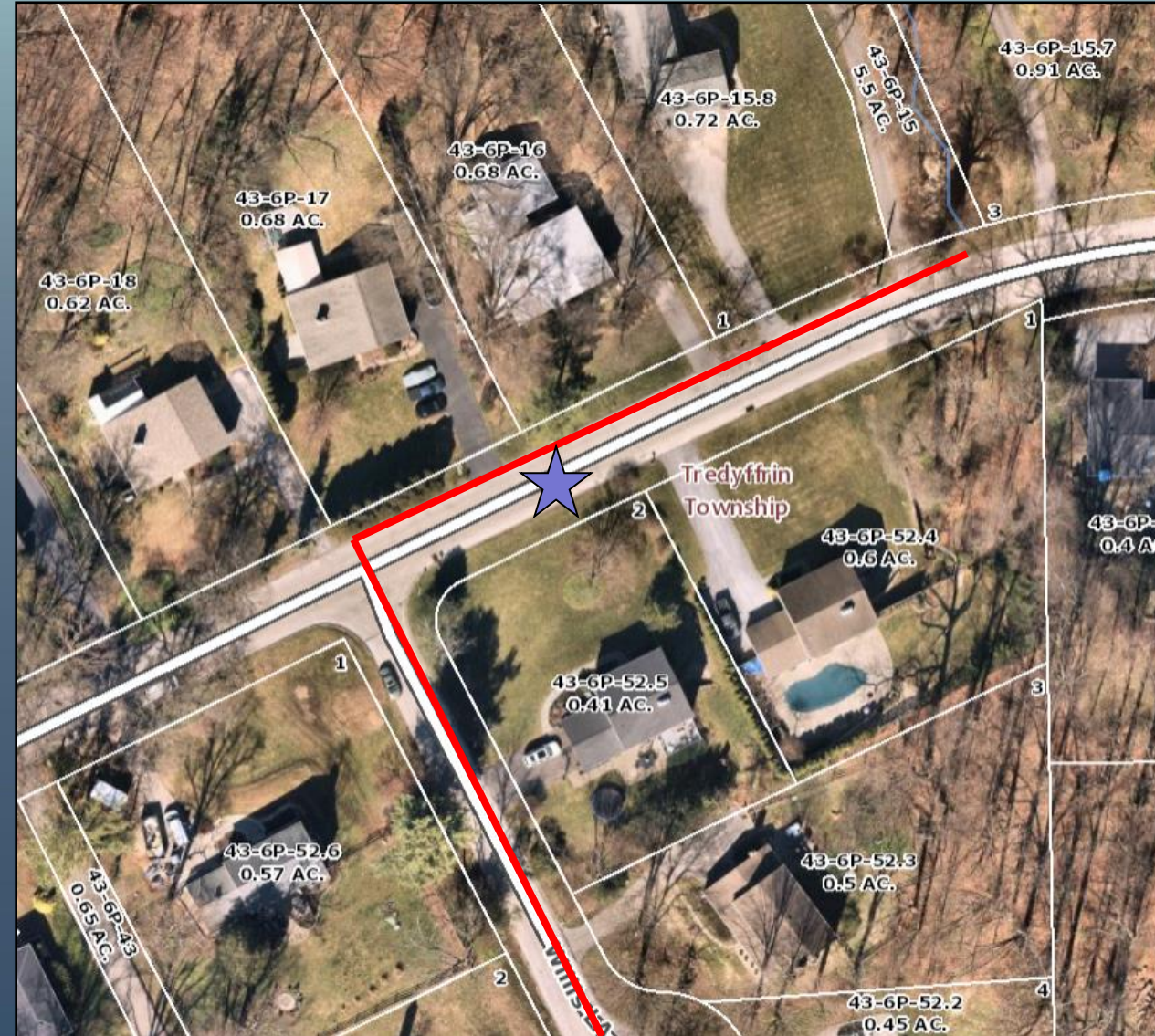
Woodcrest Road

- Replace two existing inlets within Woodcrest.
- Replace existing stormwater pipes.
- Investigate potential installation of subsurface detention facilities within right-of-way.
- Design will maximize runoff storage with minimal impact to existing utilities.

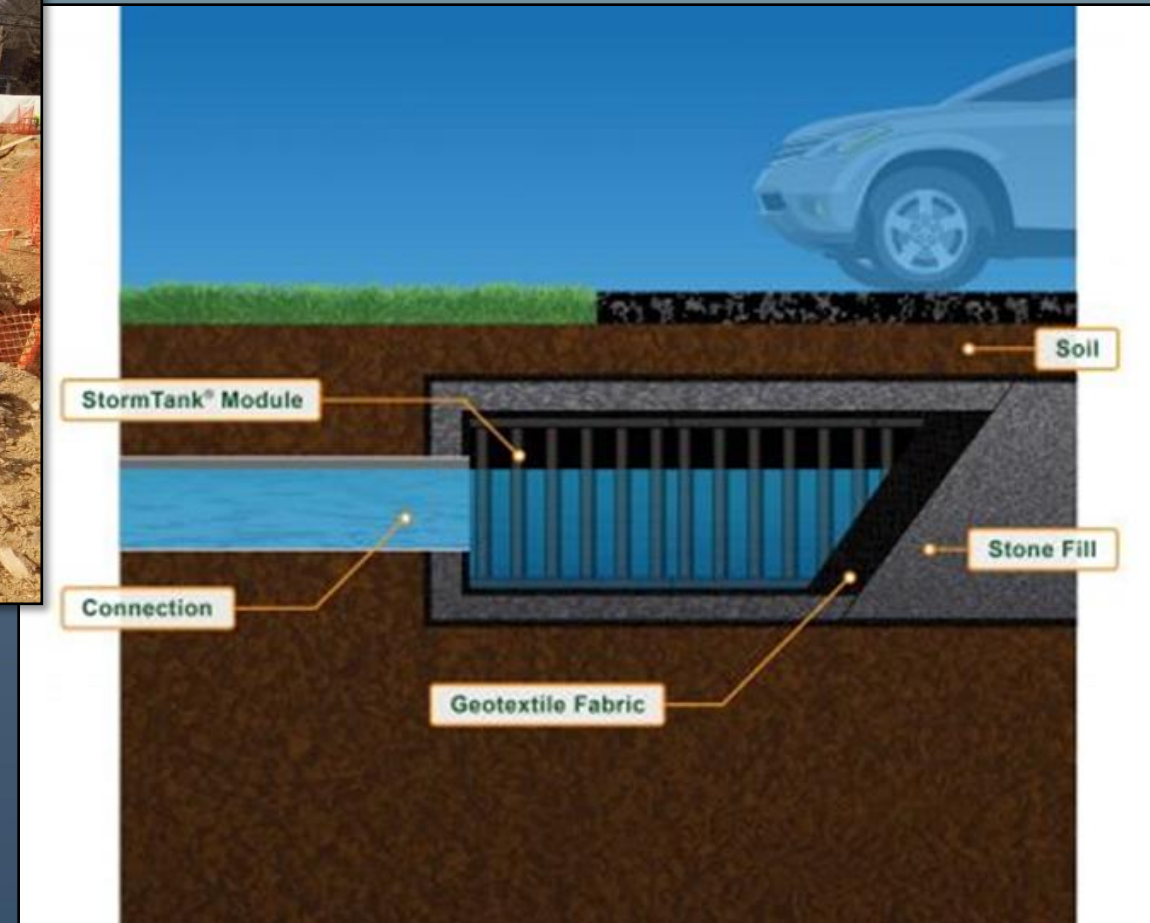


Upper Weadley & Willis Lane

- Install additional inlets and new stormwater pipes
- Investigate potential installation of subsurface detention facilities within right-of-way.
- Design will maximize runoff storage with minimal impact to existing utilities.



Subsurface Basin



Open Discussion

For follow up inquiries please email:

engineeringdept@tredyffrin.org