

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



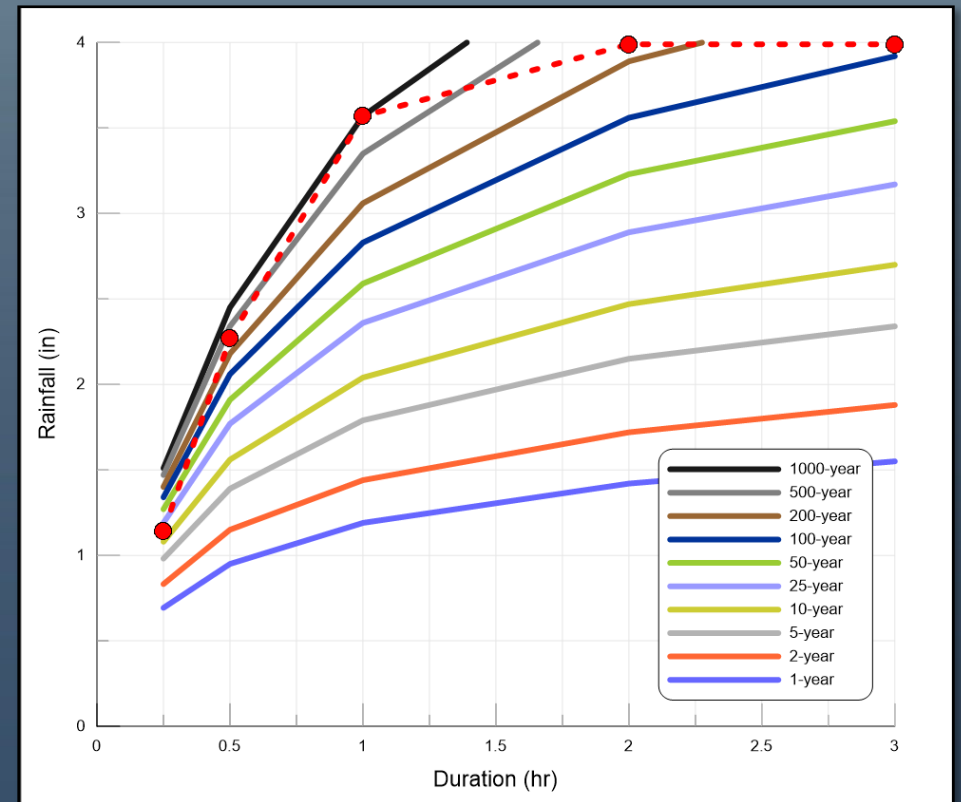
Problem Statement

- 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 sediment and debris.



Previous Outreach Meeting

- Held at the Tredyffrin Township Library
- Gathered input from residents regarding flooding concerns in the neighborhood and potential improvements.
- Attendees helped identify the areas of most concern.
 - Flooding & Erosion/Sedimentation



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.
 - Capture/Control/Reduce storm runoff
 - Reduce accelerated erosion and debris migration

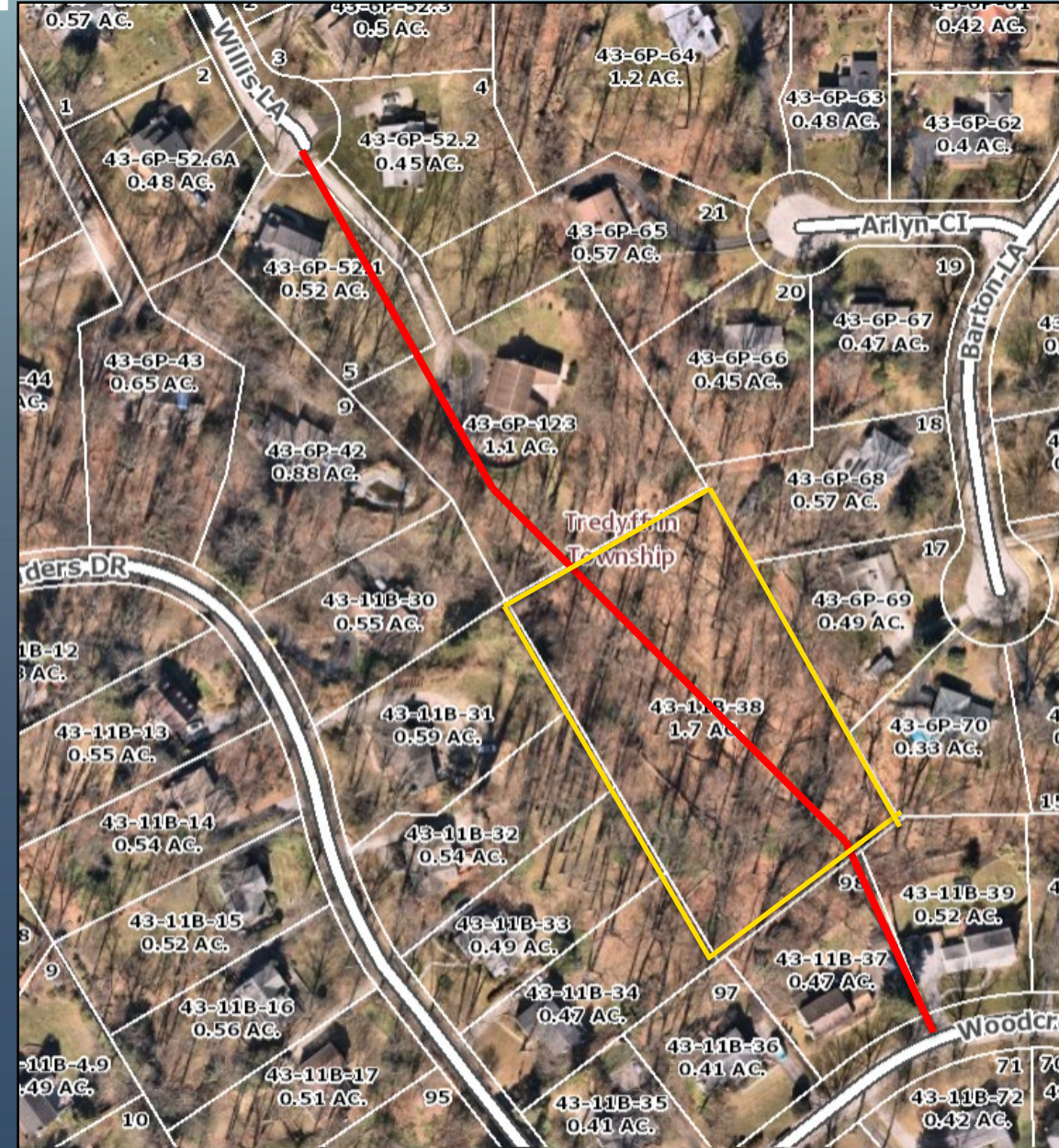
Drainage Area

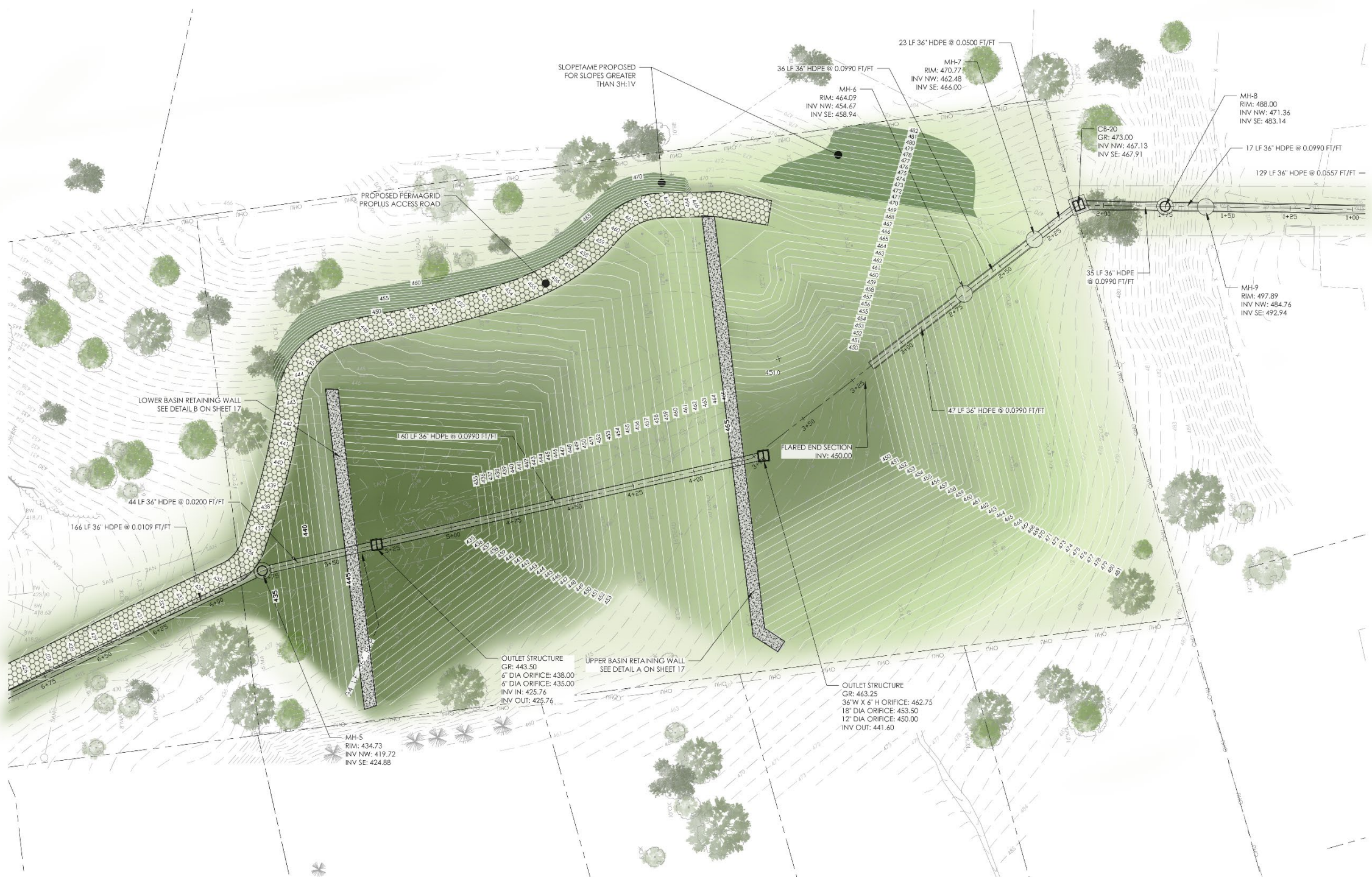
- Drainage Area: ~ 78 acres
- Very steeply sloped
- Nearly 100% built out.
- Very little opportunity to construct stormwater controls outside of the Township right-of-way.
 - Township acquired a landlocked parcel between Willis and Woodcrest Lanes for SWM.





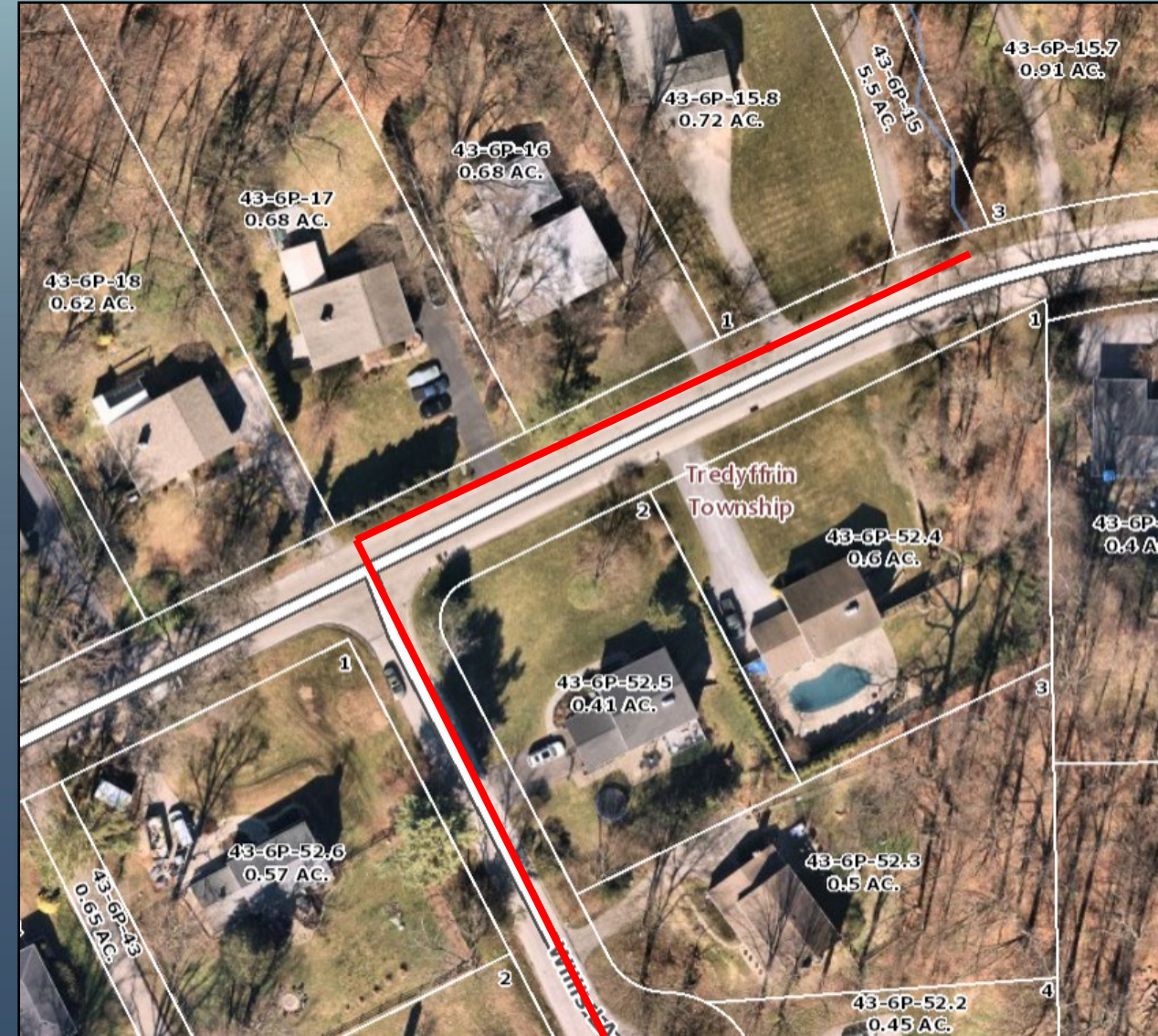
Stormwater Easement Area



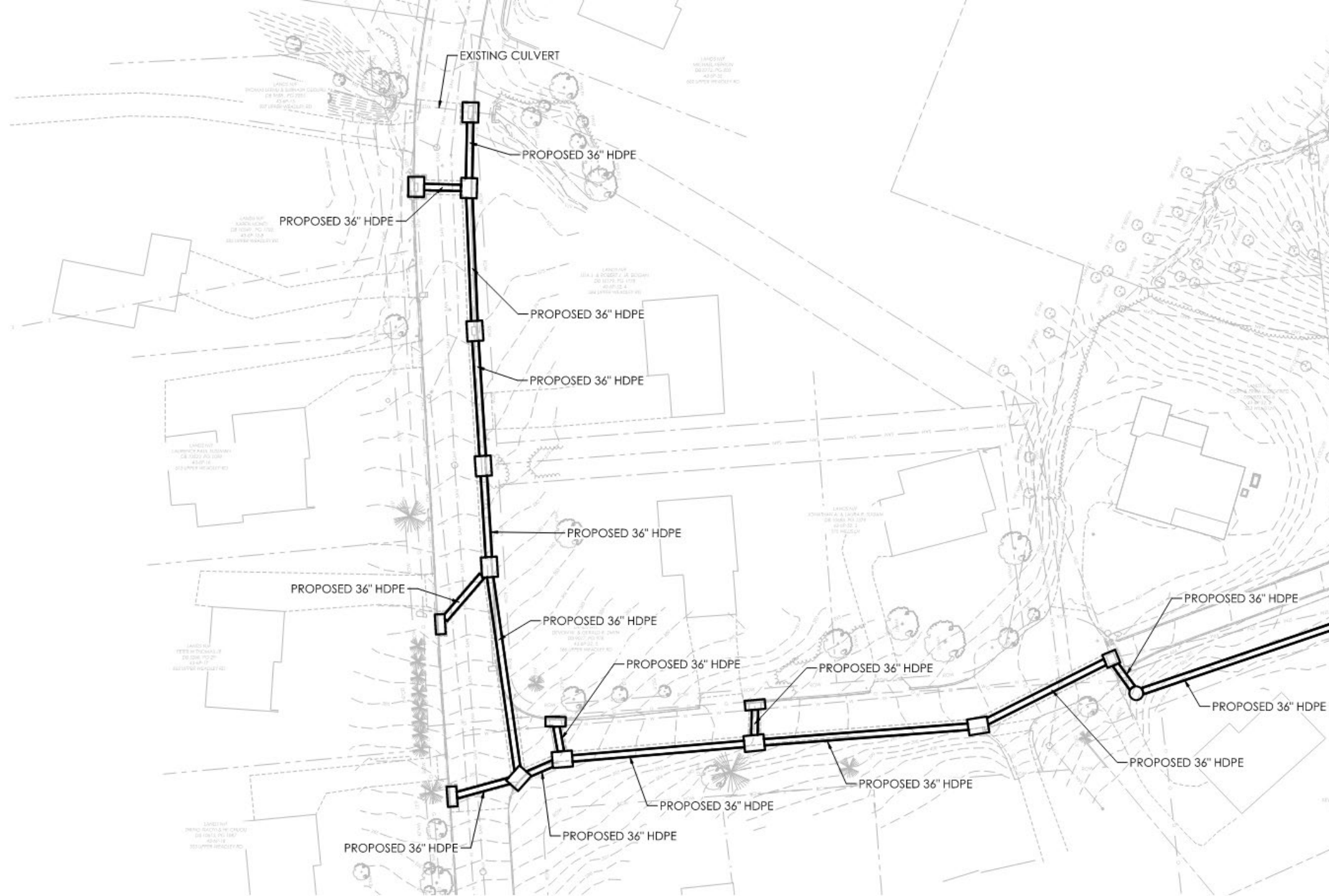


Upper Weadley & Willis Lane

- Install additional inlets and new stormwater pipes
- Design will increase capacity of stormwater sewer system.







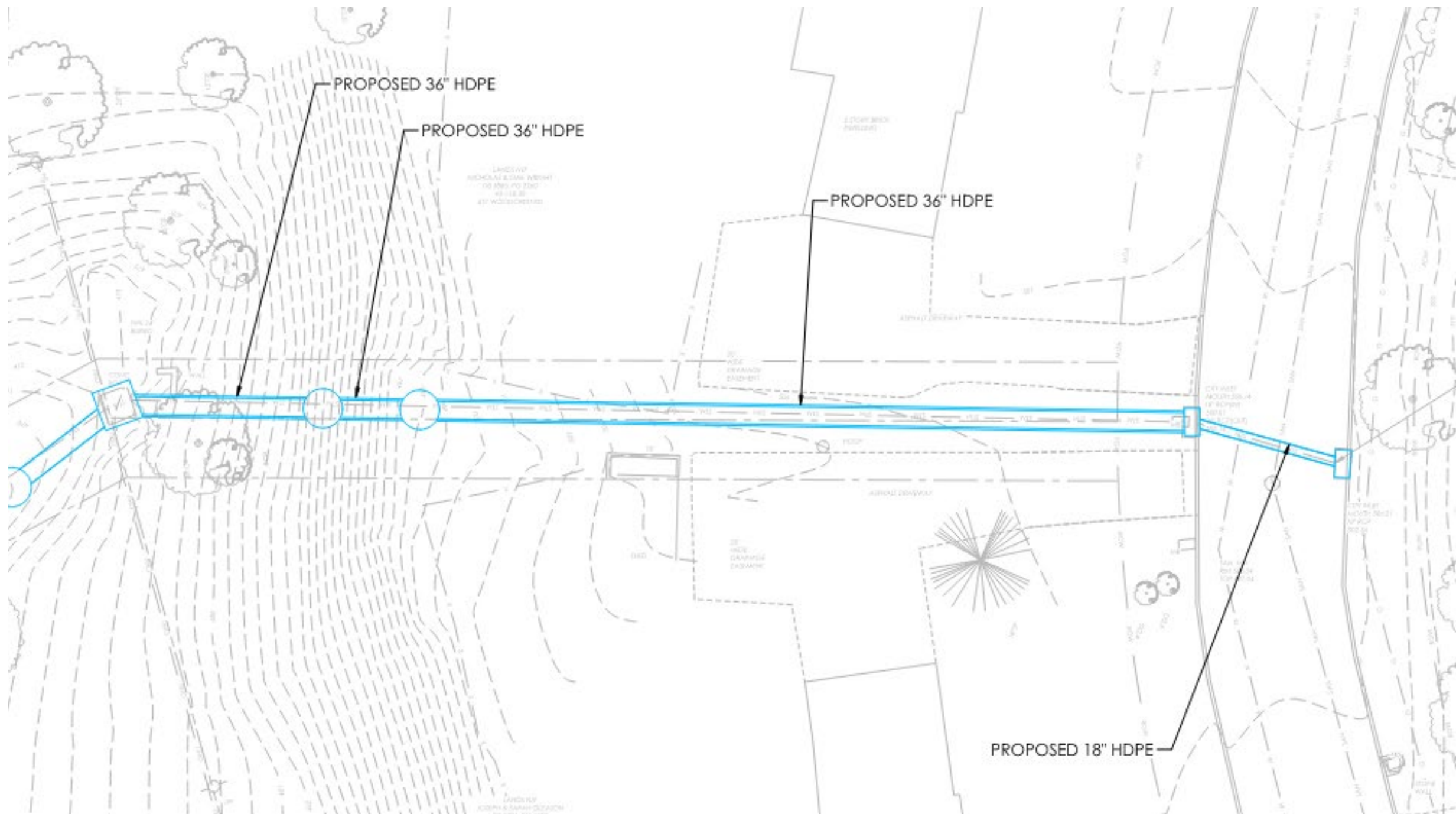
Woodcrest Road

- Replace two existing inlets within Woodcrest.
- Replace existing stormwater pipes.
- Design will increase capacity of stormwater sewer system.



CRY 94.7
 4-OUTV 25.14
 18" PCF 94.6
 100.0
 20" PCF 94.7
 100.14

1
CITY: 9427
STATE: 500.21
ZIP: 900
NO. 24
1

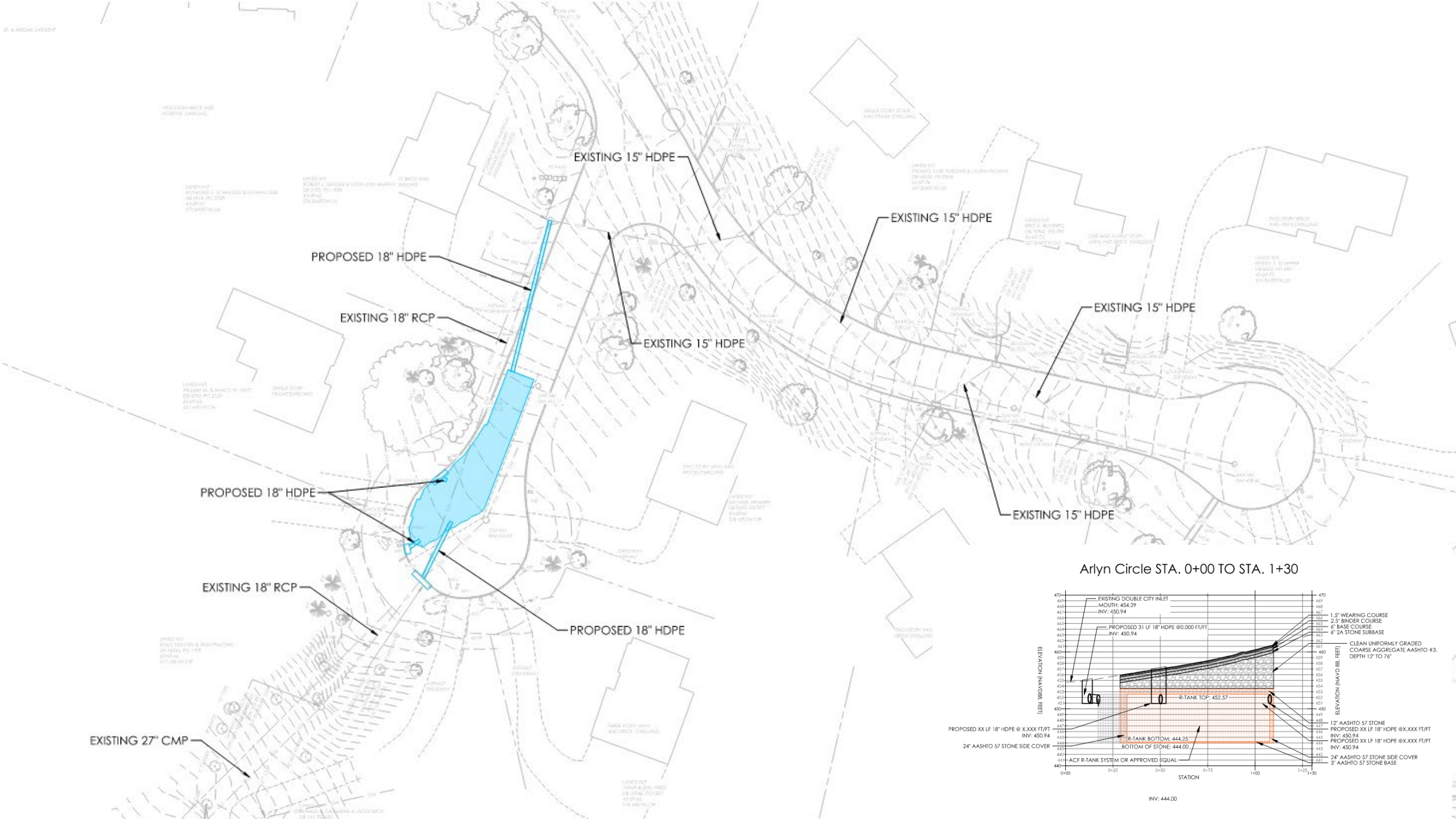


Arlyn Circle

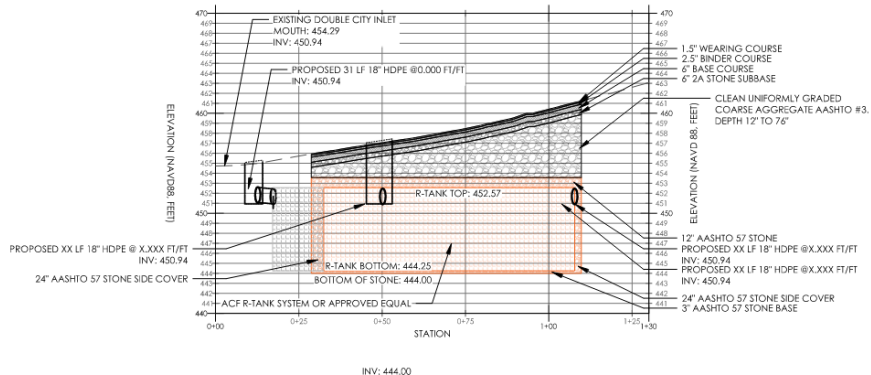
- Installation of subsurface detention facilities within right-of-way.
- Design will maximize runoff storage with minimal impact to existing utilities.
- Drainage Area: ~ 5.73 acres







Arlyn Circle STA. 0+00 TO STA. 1+30



Open Discussion

For follow up inquiries please email:

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