

# GREGORY LN STORMWATER MGMT & DRAINAGE IMPROVEMENT PROJECT PHASE 1

## BACKGROUND:

The Gregory Lane (Phase 1) Stormwater Project added and replaced stormwater inlets, piping, and other drainage improvements along sections of the roadway and cul-de-sac of Gregory Lane, along with the addition of one (1) large underground stormwater infiltration bed. In addition to the stormwater improvements, this project installed new concrete curbing and paving within the project limits. The stormwater infiltration beds, collect, store, infiltrate and reduce stormwater runoff volume from what falls directly onto the surface of Gregory Lane and Delancey Circle, and collects from the surrounding drainage areas which include single family residential properties with impervious surfaces such as driveways, houses, etc. Overflow from this new infiltration/storage bed is conveyed into the existing stormwater drainage system which discharges into the Jenkins Arboretum and ultimately into the Devon State Road Tributary of Trout Creek, also known as Browning Brook. This Stormwater Project was completed under budget.

## PARTNERS:

- Tredyffrin Township (Project Manager/ Township Engineer – Stephen Burgo, P.E.)
- Jacobs – (Designer – Dan Wible, P.E.) – Project design/planning/hydrologic modeling
- Mason Dixon Site Contractors (aka MDX) – Project Construction Contractor
- PA Department of Community Economic Development (DCED) – H2O PA Grant
- Chester County – American Rescue Plan Act (ARPA) Grant

## COST / FUNDING SUMMARY:

This project was funded by a combination of Grants and Township funding, drawn from General Obligation Bonds & the Stormwater Fund. The project was completed on time, and \$3,913.46 under budget.

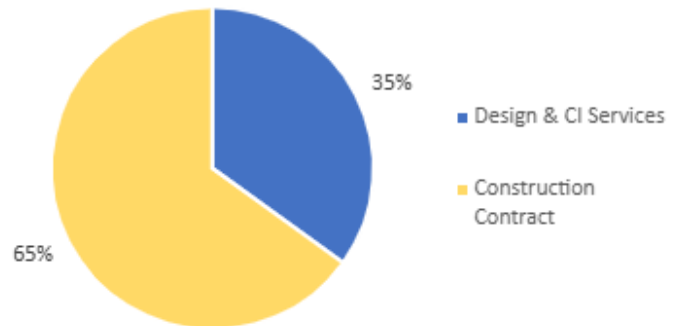
*\*Jacobs' Design & CI Contract covers both phases of this project.*

| <u>Expense or Fund</u>                                       | <u>Provider of Service</u> | <u>Amount</u>       | <u>% of total</u> |
|--------------------------------------------------------------|----------------------------|---------------------|-------------------|
| <b><u>Total Project Costs</u></b>                            |                            | <b>\$774,133.57</b> | 100%              |
| <b><u>Design Services / Construction Inspection (CI)</u></b> |                            | <b>\$270,600.00</b> | 34.96%            |
| Design & CI Services*                                        | Jacobs                     | \$270,600.00        | 34.96%            |
| <b><u>Construction</u></b>                                   |                            | <b>\$503,533.57</b> | 65.04%            |
| Construction Contract                                        | Mason Dixon                | \$503,533.57        | 65.04%            |
| <b><u>Funding Sources</u></b>                                |                            | <b>\$778,047.03</b> | 100.51%           |
| DCED H2O PA Grant                                            |                            | \$313,150.00        | 40.45%            |
| Chester County ARPA Grant                                    |                            | \$313,150.00        | 40.45%            |
| Tredyffrin Township                                          |                            | \$151,747.03        | 19.60%            |

## **BENEFITS AND RESULTS:**

The new stormwater infrastructure on Gregory Lane, particularly the stormwater infiltration bed, will reduce peak volume runoff rates from the area, keeping properties in the drainage area well-protected from water-related threats. Phase 2 of this project will partner with Jenkins Arboretum, downhill from this project site, to further protect the Devon State Rd tributary of Trout Creek, located further downhill.

Expense Sources



*Written by Will Scheidt  
May 2026*