

# STORMWATER DISCUSSION

LOWER GWYNEDD TOWNSHIP BOARD OF SUPERVISORS

APRIL 30, 2024

Presented By:

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Gilmore & Associates, Inc.



# STORMWATER DISCUSSION

## Agenda

- Township Stormwater Obligations
- Quick MS4 Overview
- Stormwater Strategic Plan Update
- Questions / Discussion



# TOWNSHIP OBLIGATIONS

## Needs

- MS4 Compliance & Pollution Reduction Plan (Planned BMPs)
- Maintenance and Replacement of Existing Facilities (Inlets, Pipes, Culverts, Basins, Rain Gardens, etc.)
- Participation in Wissahickon Clean Water Partnership (made up of 13 municipalities and 4 wastewater treatment plants)

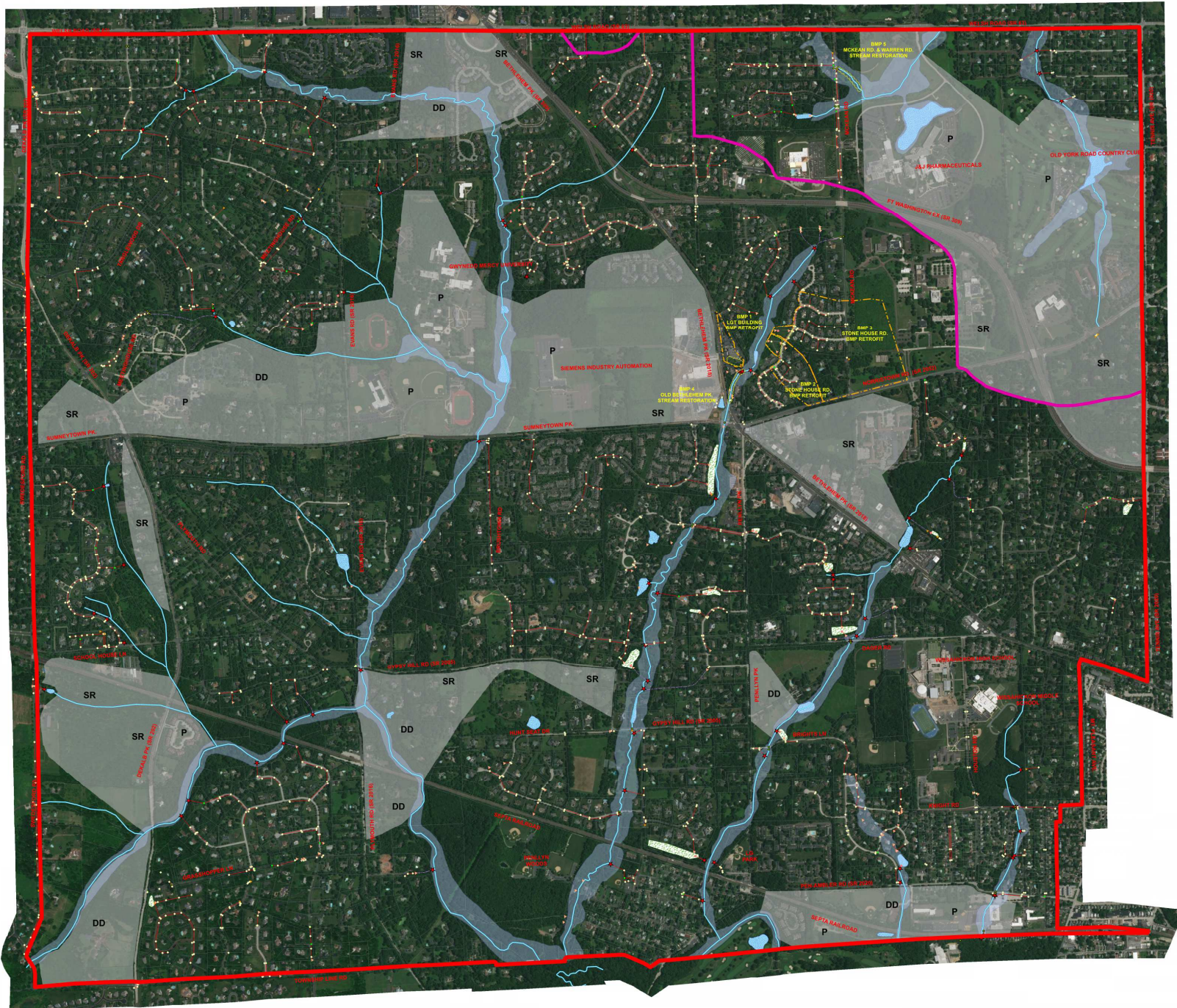
## Wants

- Study flood prone areas to identify potential solutions.
- Control stormwater on Township property to a practical extent.
- Design, construction, and perpetual maintenance of new infrastructure to alleviate identified stormwater problems.

# What is an MS4?

- \* MS4 – Municipal Separate Storm Sewer System.
- \* PA DEP permit and Township is permit holder. Compliance assistance provided by G&A to Township Administration Department. Township receives no outside funding to assist with compliance.
- \* Since 2003, the Township has been complying with the MS4 permit requirements and amending procedures, as necessary.





# “Minimum Control Measures” (6 MCMs)

- #1 Public Education & Outreach
- #2 Public Involvement / Participation
- #3 Illicit Discharge Detection & Elimination
- #4 Construction Site Storm Water Runoff Control
- #5 Post-Construction Storm Water Management
- #6 Pollution Prevention / Good Housekeeping



# Pollution Reduction Plan (DEP Required Water Quality Improvements)

## Projects Completed to Date:

- Rain Garden & Basin Retrofit @ Township Building Campus
- Basin Retrofit of Township owned basins at Spring House Farms

## Upcoming Projects:

- Streambank Stabilization along Willow Run (Partially funded by DCED Grant). To be implemented in Fall 2024 at same time as Old Beth Pike Bridge replacement.
- Riparian Restoration / Enhancement & Streambank Stabilization in Little Neshaminy Creek Watershed. Potential partnership with J&J for project on their campus. Eligible for DCED Watershed Restoration Protection grant.....Due May 31<sup>st</sup>.

Future Required MS4 Water Quality Improvements : WQIP and Future MS4 Permit Terms are undefined currently.



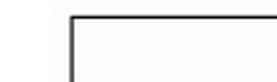



# Stormwater Strategic Plan

- Meetings w/ Township Staff & Consultants to discuss historic problem areas and resident complaints.
- Discussions w/ Public Works re: drainage concerns along Township Roads
- Reach out to EAC to solicit additional areas of concern
- Community meeting at Penllyn Woods
- Community meeting at Ambler Yards
- Houston Creek Flood Study
- Park Master Plans



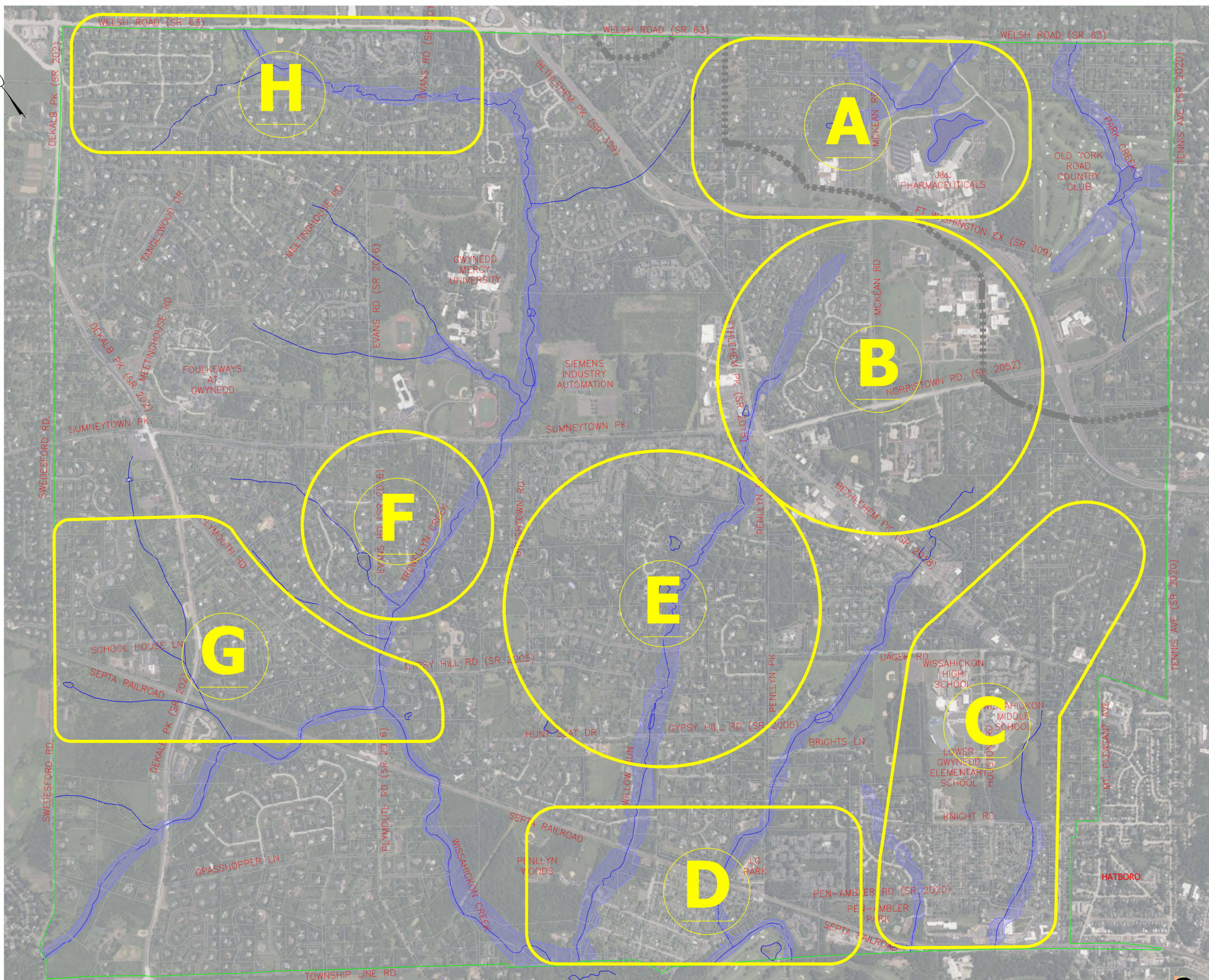


**LEGEND**

-  PARSED AREA
-  FLOODPLAIN ZONE
-  EXHIBIT AREA
-  WATERSHED BOUNDARY LINE

**LOWER GWYNEDD TOWNSHIP  
STORMWATER PLANNING MAP  
WISSAHICKON CREEK & NESHAMINY CREEK  
WATERSHEDS**

DATE: APRIL 30, 2024



# Preliminary Recommendations

- Continue to pursue partnership with J&J for MS4 project on their campus to fulfill current permit requirements. WRPP Grant Due May 31<sup>st</sup>
- Continue implementation of Houston Creek Study recommendations.
- Budget \$\$ on yearly basis for TV Inspections of older Township owned storm pipes so that issues can be identified, and replacement costs included in future capital budgets.
- Consider applying for grant funding for specific study of Penllyn neighborhood. DCED Flood Mitigation Program (Due May 31<sup>st</sup>)
- Plan and design roadway drainage improvements to coincide with resurfacing schedule. (McKean Road and School House Lane examples).
- Incorporate stormwater management into Park & Rec projects identified in Park Master Plans.
- Continue work necessary to stay in compliance with ever changing MS4 requirements.



# Stormwater Discussion

**Questions/Comments/Suggestions?**

