



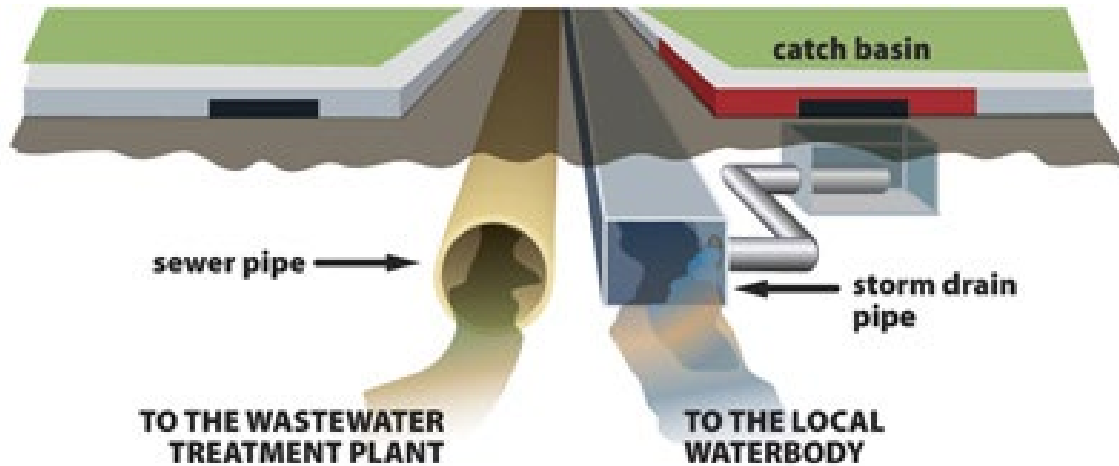
2024 MS4 Stormwater Awareness Presentation North Lebanon Township



What is an MS4?

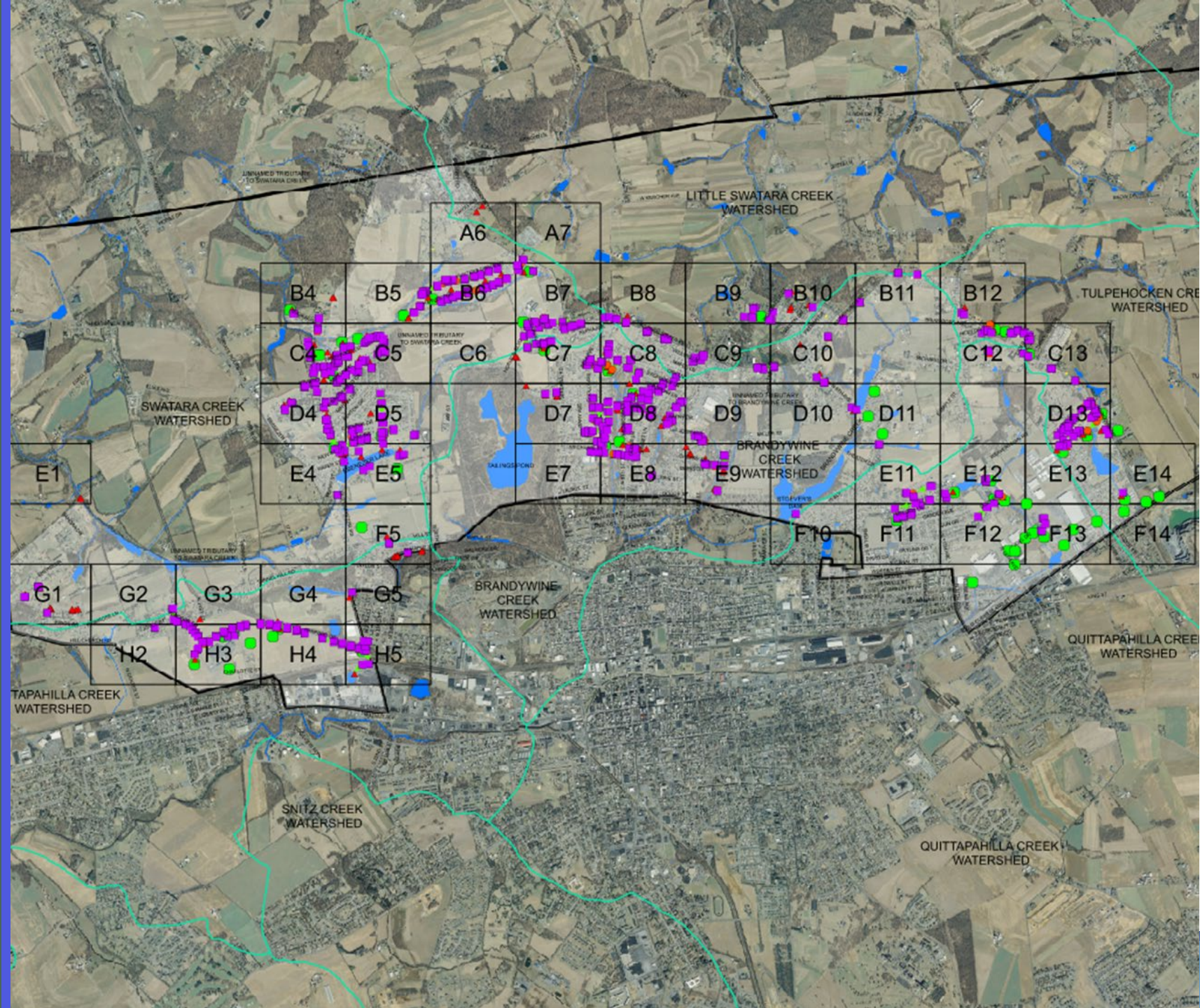
MS4 stands for “Municipal Separate Storm Sewer System”

- MS4 = Municipal Separate Storm Sewer System
- Anything that enters a storm sewer is discharged **UNTREATED** into the streams, rivers and lakes we use for swimming, fishing and providing drinking water.



Who is responsible?

- North Lebanon Township is the MS4 permittee
 - Residents of the Township
 - Municipal employees



MOWING and STORM WATER MANAGEMENT

Township ordinances prohibit the disposing of grass clippings in nearby storm water inlets, swales and basins. **Also prohibited is blowing grass into the street.** Grass that is blown into the street ultimately ends up in the storm sewers and pollutes our creeks and rivers. **Any such activity is a violation of township ordinances and subject to fines and penalties.**



This is why you should NOT blow grass into the street. It blocks the storm water from flowing into the basin which during storm events causes major flooding.



Roles & Responsibilities Part 1

1. MCM 1 - Public Education and Outreach

- a) Newsletter publication containing stormwater notices and general information
- b) Two additional methods of stormwater information distribution

2. MCM 2 - Public Involvement and Participation

- a) Public meetings & events
- b) Opportunities for Public Feedback/Input

NORTH LEBANON Township

Home Boards Departments Fees & Permits

Stormwater

NO DUMPING!
DRAINS TO STREAM

Roles & Responsibilities Part 2

1. **MCM 3 - Illicit Discharge Detection & Elimination**
 - a) Observe, Report & Log
 - b) Outfall Inspections
 - c) Storm Sewer Mapping Updates
2. **MCM 4 - Construction Stormwater**
 - a) No permits prior to NPDES approval
 - b) Observe & Report





Roles & Responsibilities

Part 3

1. MCM 5 - Post-Construction Stormwater Runoff

- a) BMP Mapping Updates
- b) Adequate O&M

2. MCM 6 - Good Housekeeping

- a) Inventory of Operations
- b) O&M program
- c) Employee Training



Quittapahilla Creek Floodplain (Past)

1. Legacy Sediment Built Up

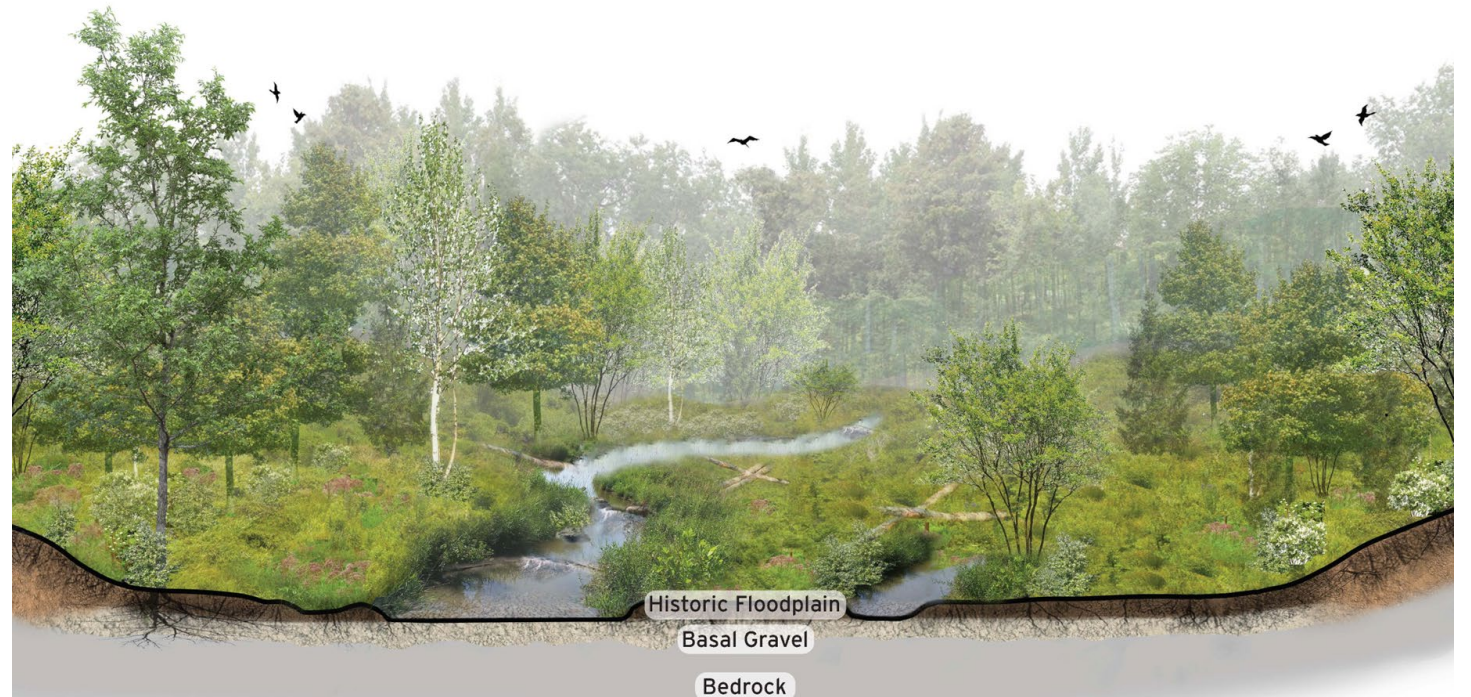
- a) Erosion of vertical banks causes undue amounts of sediment and nutrients to end up downstream
- b) Debris jams and tree roots undercut a common issue



Quittapahilla Creek Floodplain (Future)

1. Removal of Legacy Sediment

- a) Grade back vertical streambanks – reach historical floodplain soil elevation
- b) Vegetate floodplain area with native trees & shrubs to prevent future erosion



Questions & Discussion

Darren Heisey

dheisey@steckbeck.net

717-272-7110 x 123

Stephen Sherk

ssherk@steckbeck.net

717-272-7110 x 103