Waynesboro Public Works and Planning

April 10th, 2019

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Public Works Role in the Community

A Big Team

- Sewer
- Water
- Fleet
- Streets
- Stormwater
- Engineering

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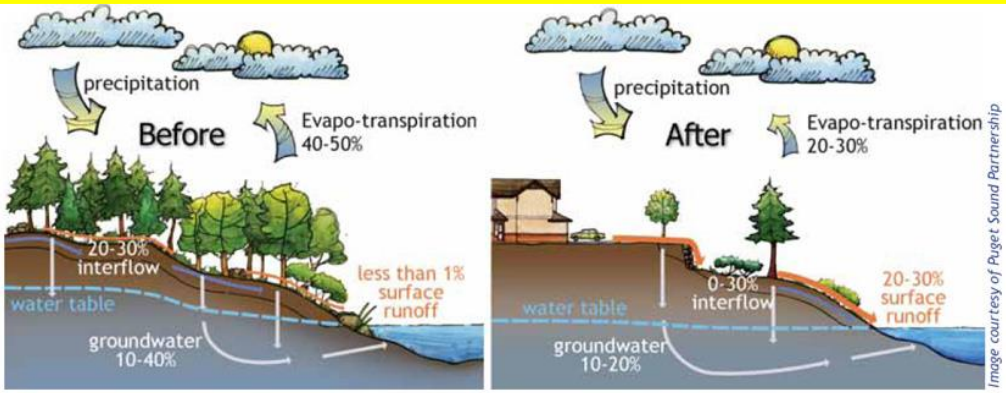
Defining the Problem



Before *development almost all rainfall is taken up by plants, evaporates or infiltrates through the ground.*
After *conventional development, surface runoff increases significantly while evaporation and infiltration into the ground decrease.*

Stormwater runoff CAN create water quantity and water pollution problems….

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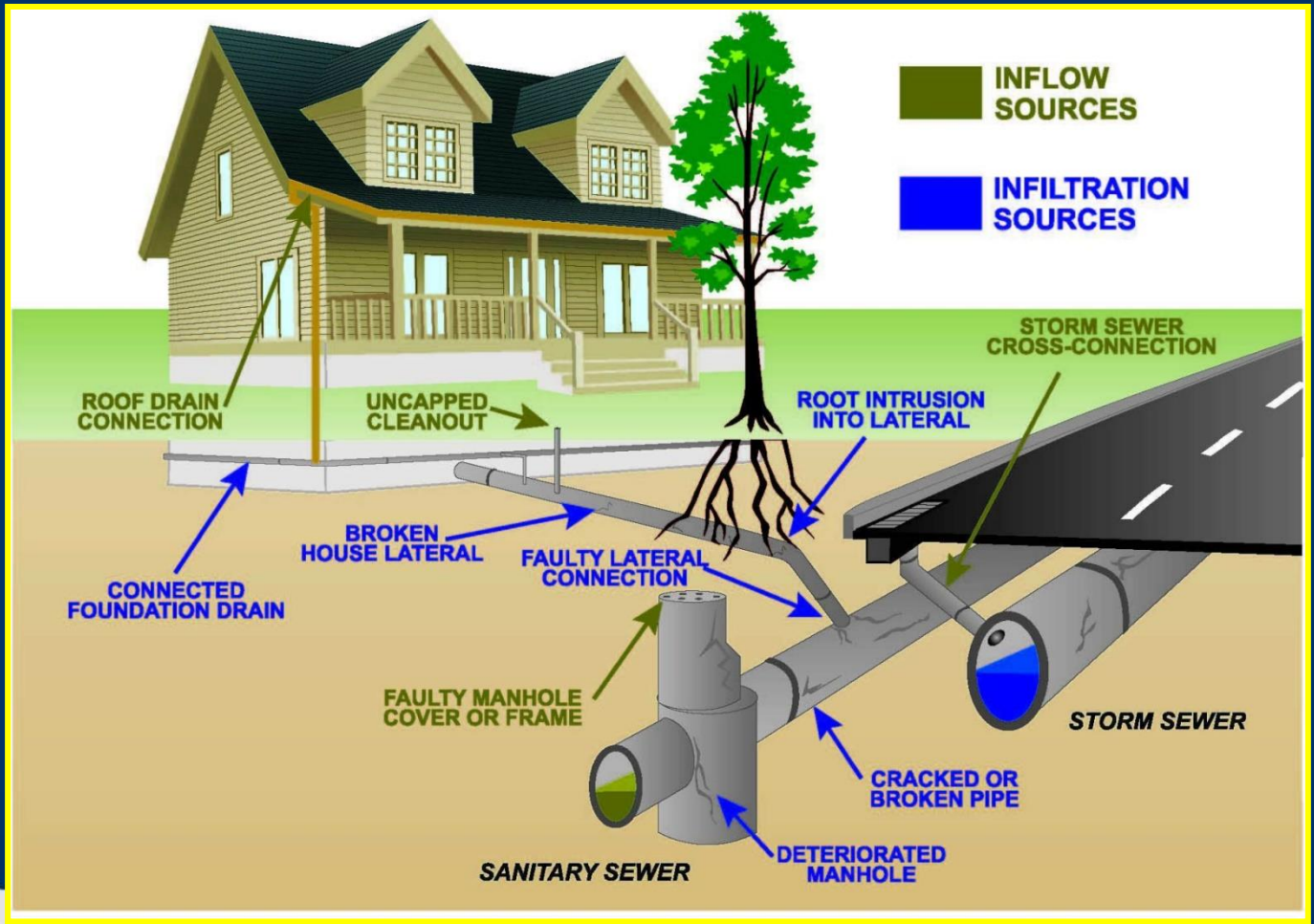
Defining the Problem



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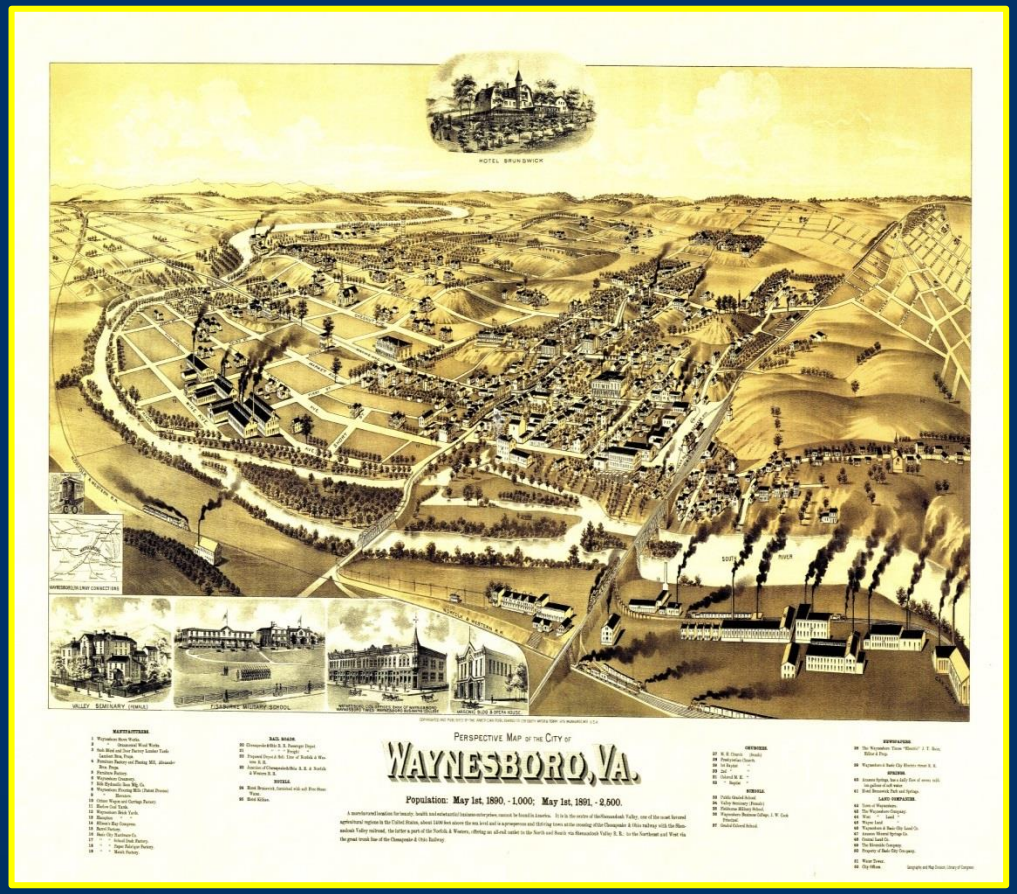
Waynesboro's Roots?



- A small town in the Shenandoah Valley West of Afton Mountain
- Historically based on Industry, Railroads, and Agriculture

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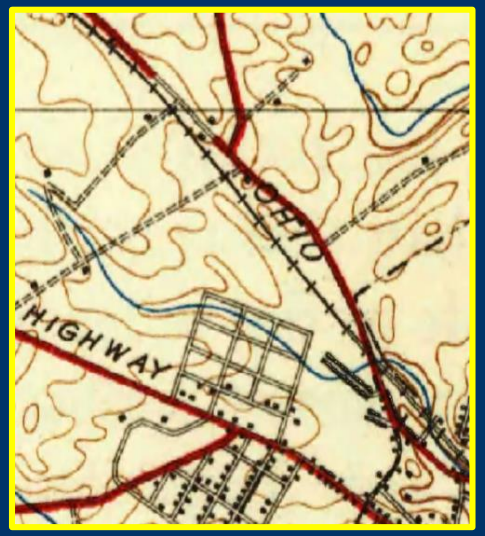
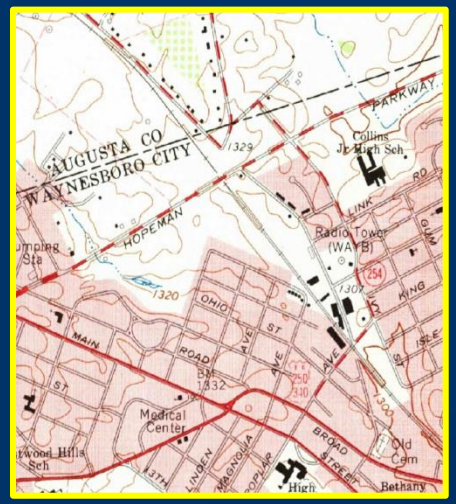
Waynesboro and Water Resources



1939

Broad St Circa 1954



1974

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Program History

- 1961- First Map of Drainage System and Future Projects Designated.

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Complying to Mandates

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
VALLEY REGIONAL OFFICE
P.O. Box 3000, Harrisonburg, Virginia 22801
(540) 574-7800 Fax (540) 574-7878
Physical Address: 4411 Early Road, Harrisonburg, VA
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Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director

Amy Thatcher Owens
Regional Director

STATE WATER CONTROL BOARD
AMENDMENT TO ORDER BY CONSENT
ISSUED TO
CITY OF WAYNESBORO
FOR
WAYNESBORO STP
VPDES PERMIT NO. VA0025151

SECTION A: Purpose

This is an Amendment of an Order by Consent (Amendment) issued under the authority of Va. Code § 62.1-44.15 between the State Water Control Board and the City of Waynesboro regarding the Waynesboro Sewage Treatment Plan for the purpose of revising certain provisions of the Order by Consent (Order) issued by the Board to the

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What Do We Own?

<u>Waynesboro's Storm Sewer System</u>

- Over 80 Miles of Conveyances
- Over 3,000 Structures
- 150 Regulated Outfalls

<u>Waynesboro's Sewer System</u>

- 120 Miles of Sewer Mains
- 2,800 Manholes
- 8 Pump Stations

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How is the City Funded?

City Funds

General Fund	Enterprise Funds	Fiduciary Funds

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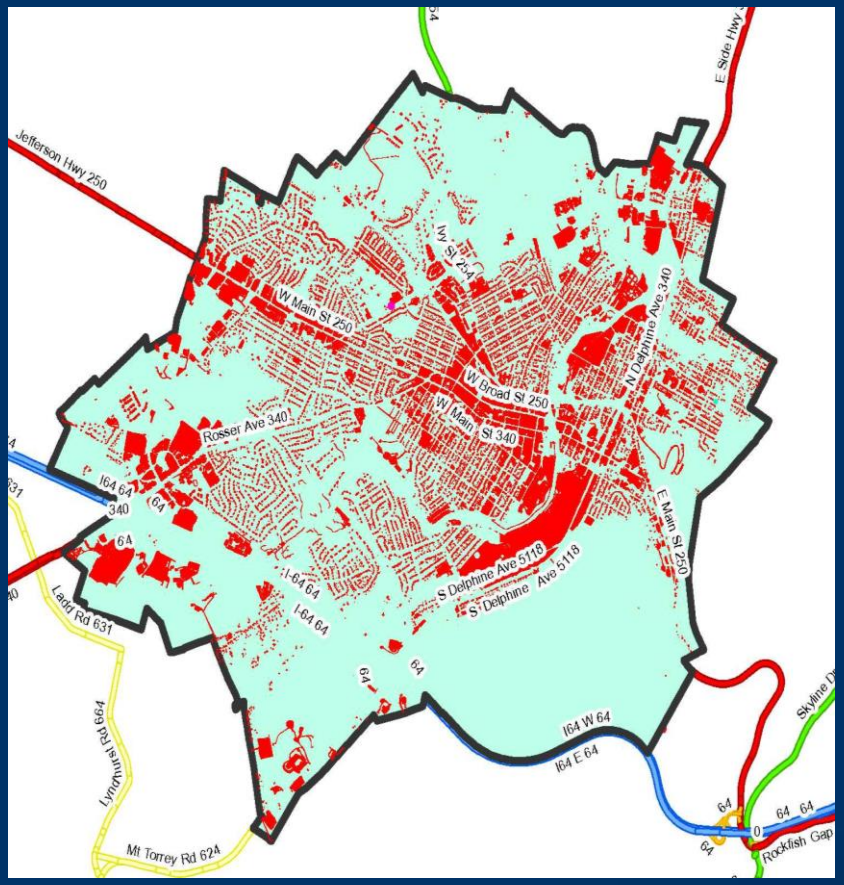
Stormwater Utility Development

- Waynesboro Statistics
  - 8% Impervious
  - ERU – 1,600 SF
  - 7,300 SFR Parcels vs 3,200 NSFR Parcels
  - 8,900 SFR ERU vs 21,700 NSFR ERU
  - 26% Effective Poverty Level



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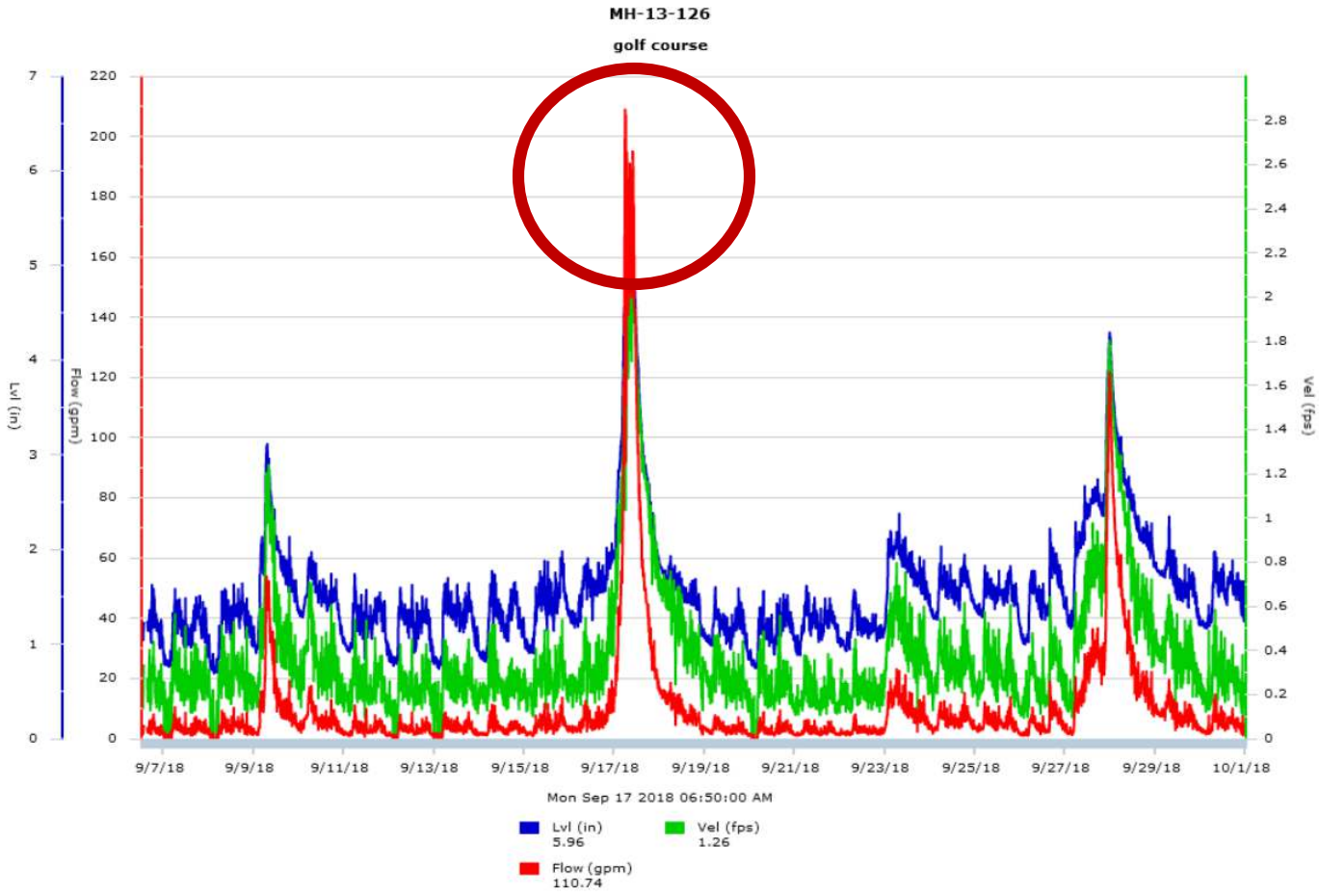

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Looking Forward

- Stable Funding
- Maintenance Backlog
- Tackling TMDL

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Chesapeake Bay TMDL

- A 'Pollution Diet' managed through NPDES Permits.
- Requires Nitrogen, Phosphorous and Sediment (TSS) Reductions

Aerial View of Jefferson Park Wetland

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Why is the City's Relationship with the South River Important?

- Maintaining Regulatory Compliance
- Working to improve infrastructure
- Having a clean river and streams the community can enjoy

Photo: William Jordan

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City Projects on the South River

- Natural Resource Damages Act settlement

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City Projects on the South River

- Greenway Trail Expansion

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Questions?

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