Stormwater System Overview

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Stormwater System Strategic Focus Areas



Strong Fiscal Stewardship

Goal 2

Conduct forward-looking and multi-year planning and analysis



Environmental and Economic Sustainability

Goal 6

Implement policies, practices, and regulations that protect and enhance the town's natural resources and preserve the environment

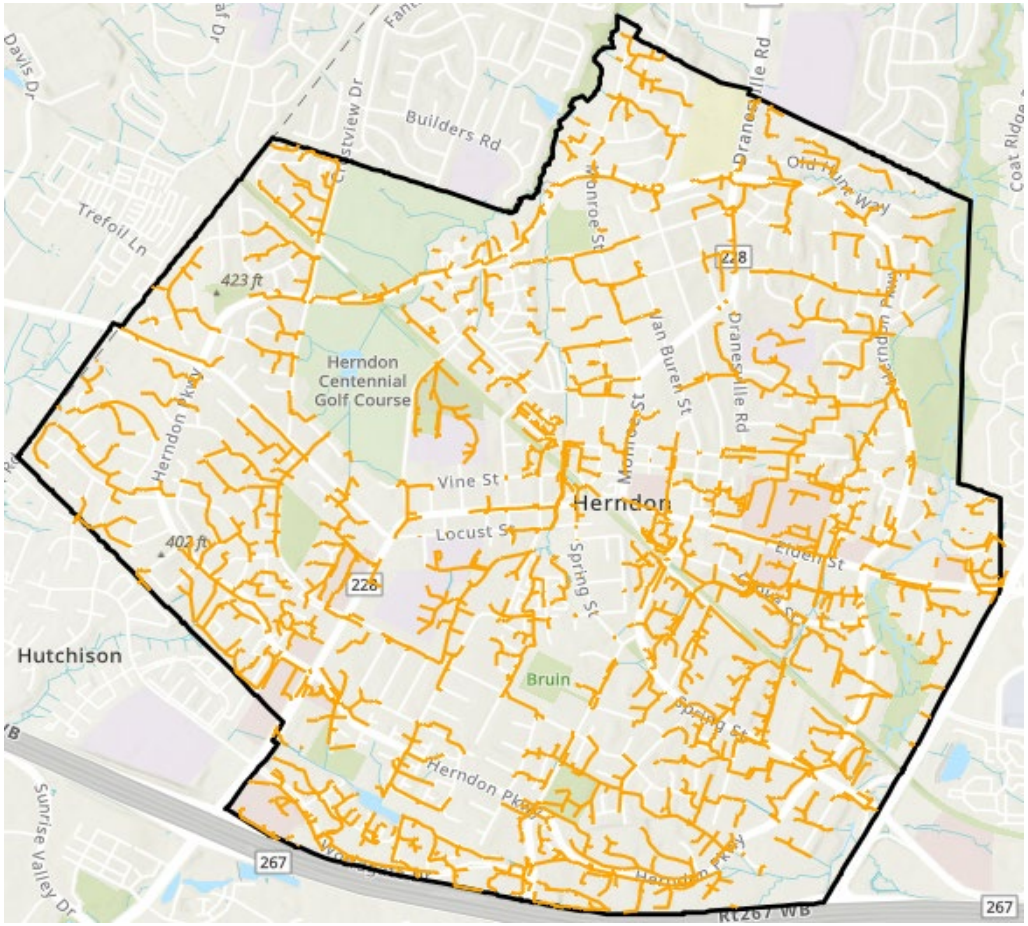


Good Governance

Goal 1

Maintain and enhance public facilities to effectively support municipal operations and services

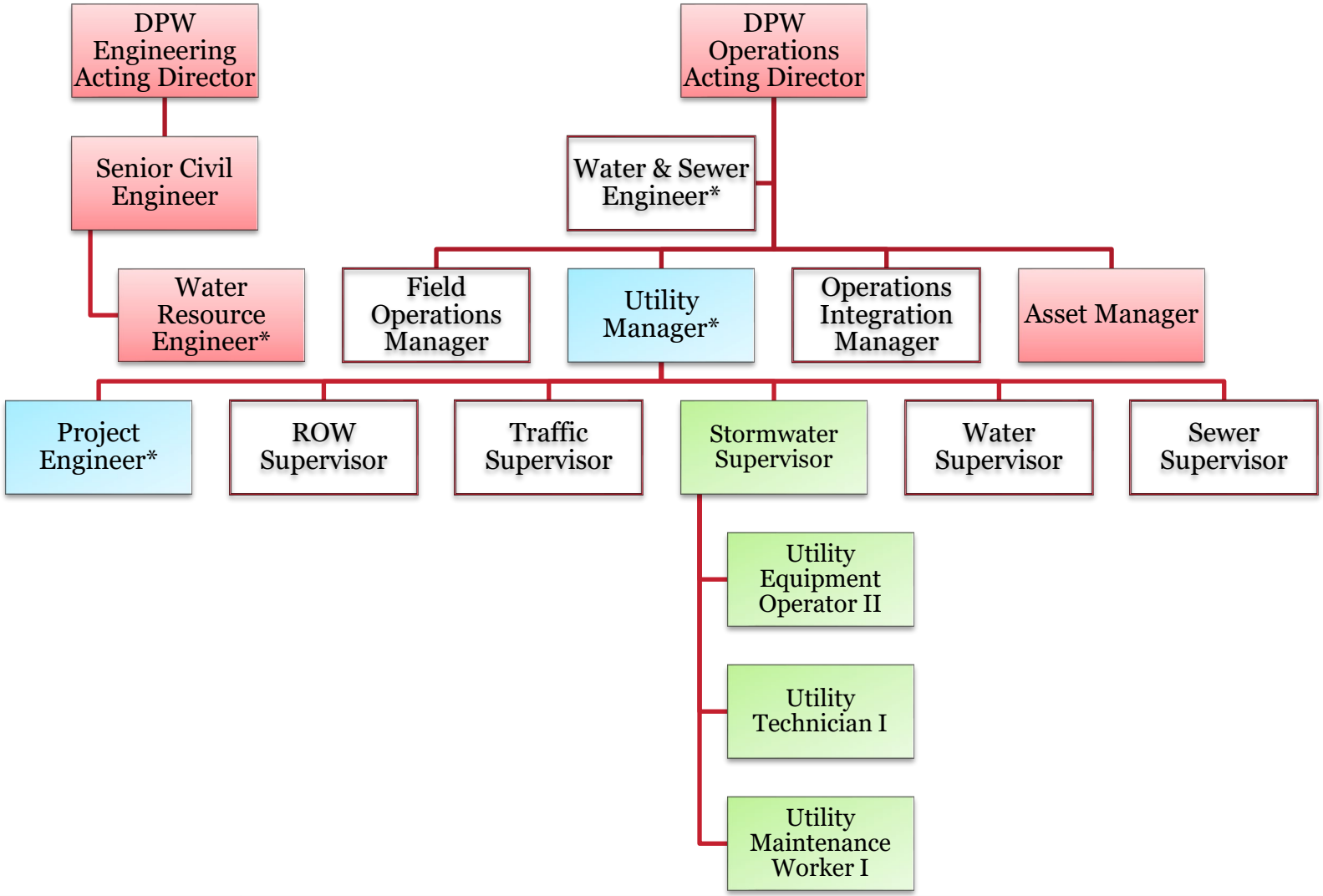
Town of Herndon Stormwater System



- 70+ miles of main
- Over 3,500 inlets, outfalls and manholes
- Stormwater Facilities
  - Town owned ~ 43
  - Privately owned ~ 160
- Stormwater ponds
- Streams and flood plains



Stormwater/Fund Organization



Stormwater Management

Stormwater system is a regulated system within the town that takes efforts from multiple groups







- DPW Engineering
  - Oversee MS4 Permit Requirements
  - Enforcement of construction requirements and maintenance of privately owned stormwater facilities
  - Inspection of town owned stormwater retention facilities
  - Designing and managing major restoration projects

- DPW Operations
  - conducts surveys and inspections, assessments, preventative maintenance and emergency repairs





New Stormwater Division

- **Reactive to Proactive maintenance**
  - In the past we were reactionary to stormwater problems.
  - Managed as a collateral function of the Streets Division
  - New Division is focused on the Stormwater system, managing the system proactively and enhancing preventative maintenance
- **Officially started up with FY25 budget**
  - 1 - Supervisor (Internal promotion)
  - 1 - Utility Technician
  - 1 - Utility Operator
  - 1 - Maintenance Worker
- **Hired 2 highly experienced personnel early in FY25**
  - Initial goal was inspection of 20% of system each year
    - Currently inspected 25% of the system
- **Inspections are being completed**
  - Pipes and manholes are given condition index
  - Deficiencies are recorded
    - 30 areas with issues requiring higher priority repairs

Current MS4 Permit Highlights

- System Mapping
  - Continue to update and refine drainage system map
- Illicit Discharge Detection and Elimination
  - 250+ stormwater outfall inspections (Herndon has 143 outfalls)
  - Potential illicit discharges investigated
- Chesapeake Bay Pollutant Reductions
  - Permits require 5% by 2018, 40% by 2023, and 100% by 2028

MS4 Permit – Updated Requirements

- Flexibility for outreach strategies
- Meet more required detail for mapping requirements.
- Better tracking and accountability for maintenance of public stormwater facilities
- New standard operating procedures for:
  - De-icing
  - Exterior building maintenance
  - Utility construction discharges
  - Landscaping materials
- Update Stormwater Pollution Prevention Plans (SWPPPs) and TMDL action plans
  - Town Shop and Golf Course have separate SWPPP

Town of Herndon Stormwater Projects



Completed

Sugarland Run South Stream Restoration $2M



In Construction

Folly Lick BMP Detention Pond Maintenance $250K



In Design

Sugarland Run North Stream Restoration $2M



In Design

Eldenwood Detention Facility Improvements $350K

Town of Herndon Stormwater Fund – Revenues FY 26

- **Town receives from Fairfax County 25% of stormwater tax funds paid by Herndon residents**
  - Approximately $440K annually
  - At the end of FY 24 there was a fund balance of $1.8M, restricted to stormwater management uses.
  - Some of these funds were used in FY 25 for equipment needed to establish the new stormwater division.
- **A transfer from the General Fund of approximately $170,000 is estimated to cover the gap between stormwater annual operating expenses and funds from Fairfax County stormwater tax.**

Town of Herndon Stormwater Fund – Expenses FY 26

- **Routine operation and maintenance of stormwater system**
  - Utility Master Plan
- **MS4 activities**

Approximately $600,000

- **Capital Investments**
  - Sugarland Run North Stream Restoration ($2.5 million, grant funded)
  - Eldenwood Detention Facility Improvements
  - Stormwater system maintenance equipment

Approximately $1.2 million, restricted fund balance

Questions?