

Stormwater & Environmental Services Update

April 2024



HILLSBOROUGH
NORTH CAROLINA

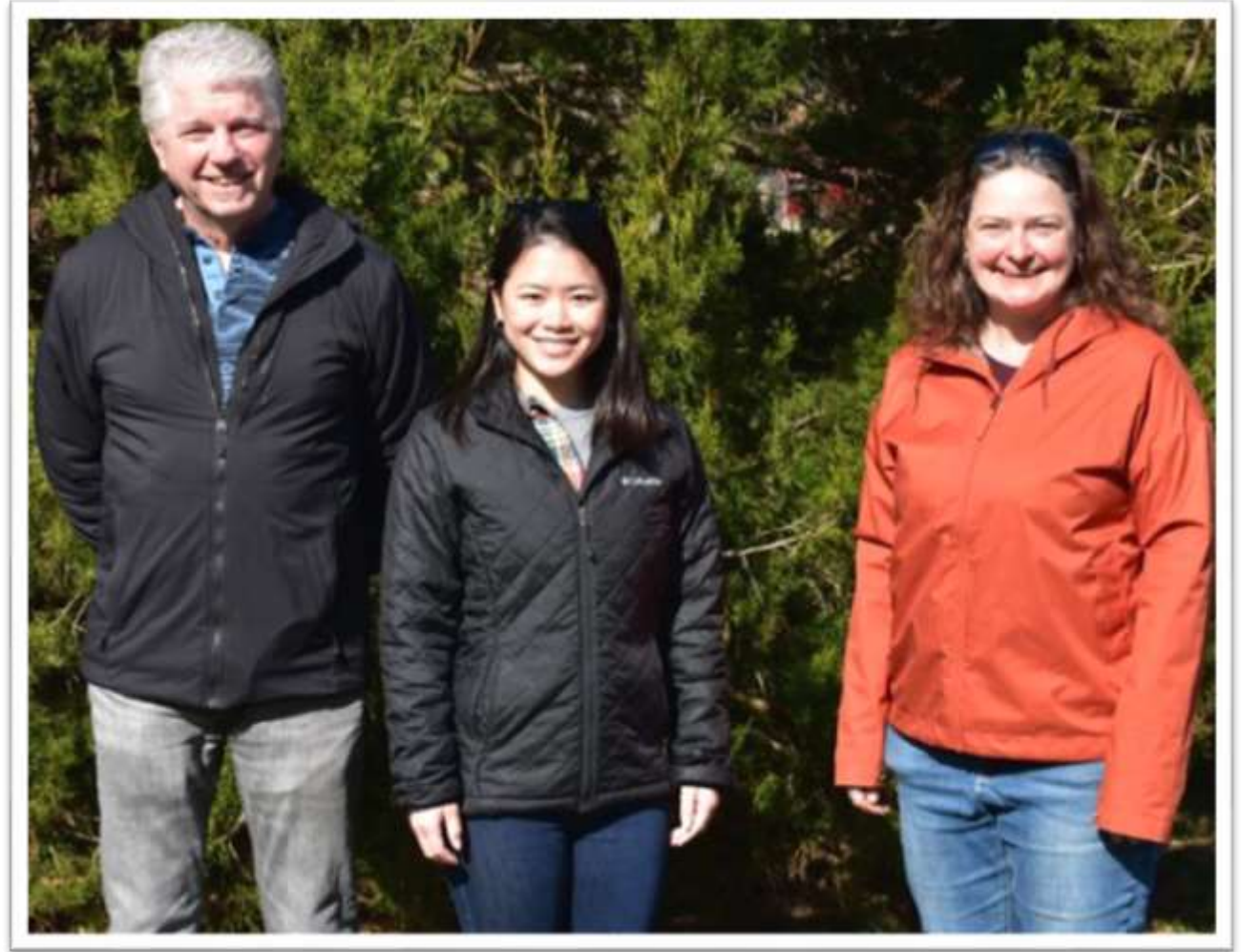
Updates and Discussion

- Staffing
- NPDES Stormwater Permit Renewal
- Falls Lake Rules Readoption Status
- Future Needs
- Questions/Discussion



Staffing Update

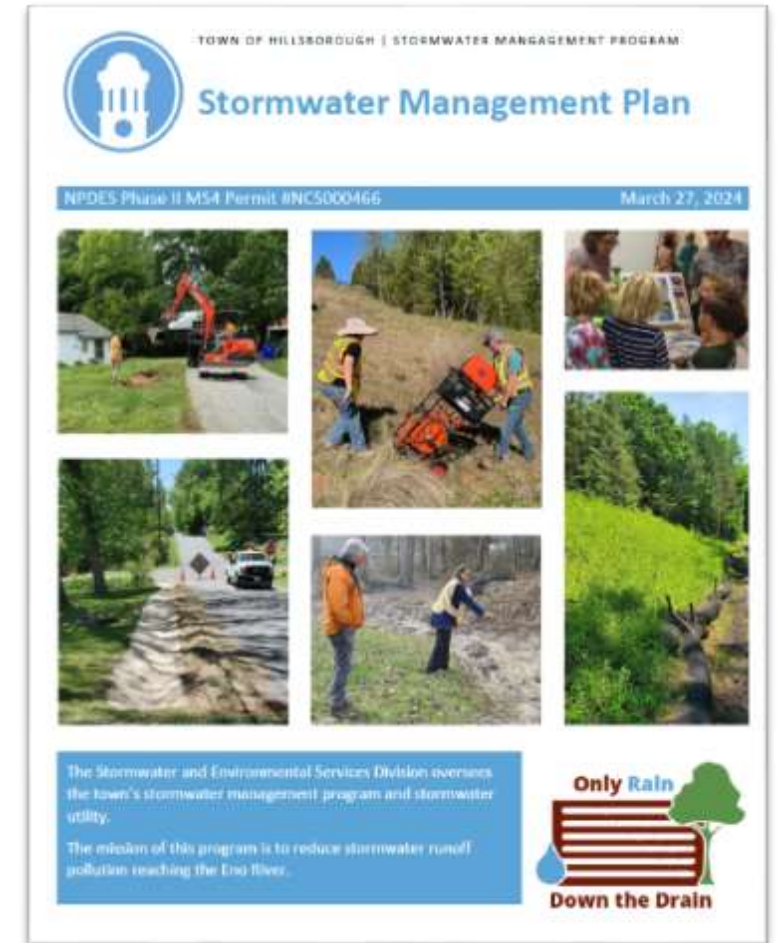
- 3 Full time staff!
- New Stormwater Technician, Claire Hansen
- Improve level of service
- Ensure compliance with new stormwater permit



*Stormwater & Environmental Division Staff
Terry Hackett, Claire Hansen and Heather Fisher (from left to right)*

NPDES Stormwater Permit Renewal Update

- Audit completed in August 2023
- New Stormwater Management Plan approved by DEQ in March 2024
- Public Notice for Permit Renewal expected in April 2024
- New Permit to be Issued July 1, 2024



NPDES Stormwater Permit Renewal Update (continued)

NPDES Phase II Minimum Measures:

1. Public Education and Outreach
2. Public Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention & Good Housekeeping



Public Works Staff Completing Stormwater infrastructure Maintenance

Falls Lake Rules – Readoption Process

- All UNRBA Members approved the Consensus Principals II
- DEQ is currently reviewing the UNRBA’s recommendations and modeling reports
- DEQ is currently reviewing the UNC Collaboratory report on Falls Lake and has 6 months to begin the rule readoption process as set out in SL 2016-94 & SL 2018-5.
- UNRBA will seek changes to GS § 77-141 to include “Developing and implementing a water quality protection plan”



Falls Lake Rules – IAIA Update

- IAIA Joint Compliance Program
 - Year 3 of the 5-year program
 - Over \$100,000 invested thus far
- Past Projects:
 - KHP Floating Wetlands and Dock
 - Odie St Green Infrastructure
 - Compost Blankets – GP, KHP, Riverwalk
 - Cistern at Cates Creek Park
 - Invasive Species Management (including hydrilla)
- Current Projects
 - Dorothy N. Johnson Rain Garden and Cistern
 - Riverwalk Bioswale
 - Odie St Stream Stabilization



*Creek Week Volunteers Planting
the Riverwalk Bioswale*

Odie Street Green Infrastructure

- Previously, a gravel road with old dilapidated trailers, incised ditches and overgrown vegetation
- In 2016, Habitat for Humanity of Orange County began redevelopment of Odie Street
 - Ultimately will build 25 homes



Community-Driven Design

- Achieve community acceptance
- Promote long-term stewardship
- Identify direct benefits to the community



Design Goal:
Maximize
Infiltration



Odie Street Green Infrastructure

5 bioswales, 6 treatment swales, 6 check dams
20 rain barrels and 4,000 SF native plant gardens



The Award-Winning Odie Street Stormwater Green Infrastructure Project



The Future of Stormwater

Stormwater Fund Goals:



- Improve level of service to customers
- Ensure compliance with the town's new NPDES Phase II MS4 stormwater permit
- Build a reserve to fund capital stormwater infrastructure and watershed improvement projects
- Enable the Public Works Division to be more "proactive" with stormwater infrastructure maintenance

The Future of Stormwater (continued)

Stormwater Needs:



- An additional equipment operator in Public works
- Additional equipment to keep pace with stormwater infrastructure maintenance
- Stormwater CIP
- Ridgeway Greenway Project

Questions/Discussion

