

Stormwater & Environmental Services Update

April 2024



HILLSBOROUGH
NORTH CAROLINA

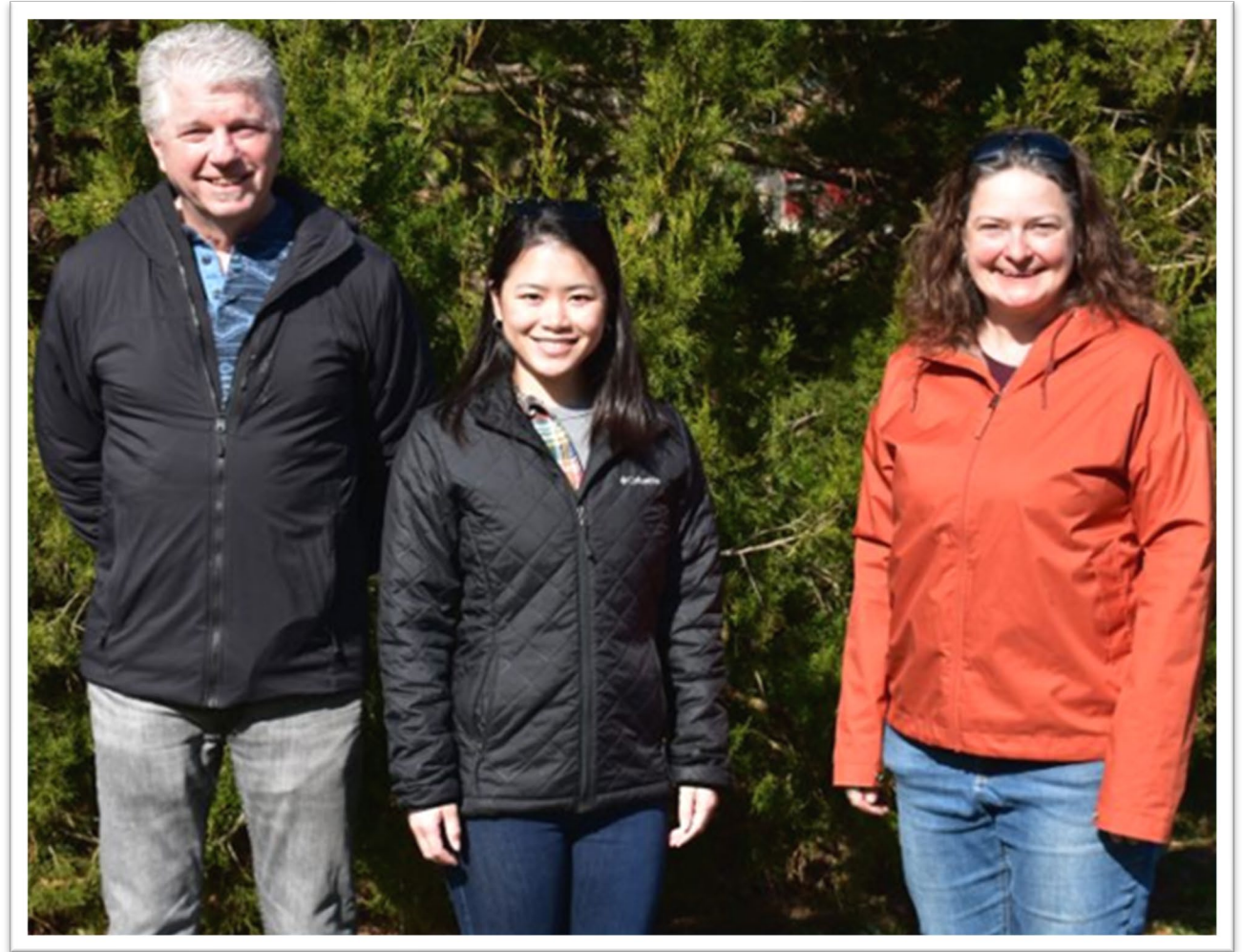
Updates and Discussion

- 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

TOWN OF HILLSBOROUGH | STORMWATER MANAGEMENT PROGRAM

Stormwater Management Plan

NPDES Phase II MS4 Permit #NCS000466 March 27, 2024

The Stormwater and Environmental Services Division oversees the town's stormwater management program and stormwater utility.

The mission of this program is to reduce stormwater runoff pollution reaching the Eno River.

Only Rain
Down the Drain

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

