Environmental Advisory Commission

February 4, 2021

5:30pm Zoom

Agenda

Greenville NORTH CAROLINA

Find yourself in good company

Basic Motions

Motion
Calls for Action
Debatable
Simple Majority

Motion to Amend
Changes Original
Debatable
Simple Majority

Other Motions

Table
Postpone Vote
No Discussion
Simple Majority

Close Debate
End Debate & Vote
No Discussion
2/3 Majority

Reconsider
Change Prior Decision
Voted in Majority
Within One Meeting
Debatable
2/3 Majority

Recess
Take a Short Break
No Discussion
Simple Majority

Consensus Process
If 1-Vote Majority
Debatable
3 Votes to Pass

Adjourn
End the Meeting
No Discussion
Simple Majority

Actions and discussion are governed by motions. Only 3 motions on the table at once (a 4th would be out of order). Most recent motion is considered first.

❑ **Convene meeting + Reminder: Turn off Cell Phone**

I. Roll Call/Quorum _____ **Board Members (quorum = 4)**

II. Pledge of Allegiance

III. Additions/Deletions/Approval of Agenda

IV. Approval of January 7, 2021 Minutes (Attachment A)

V. Announcements

VI. Public Comment Period

Public Comment Period is a period reserved for comments by the public. A total of 30 minutes is allocated with each individual being allowed no more than 3 minutes each. The Public Comment Period will be closed once the allocated time has been reached.

VII. Commission Reports

a. ECU Sustainability Update (Attachment B)

VIII. Old Business

a. EAC Sustainability Subcommittee Update (10 mins) Ames
b. Duke School of Environment meeting update (5 mins) Shaw

IX. New Business

a. Annual Stormwater Report (Attachment C) (15 mins) Norris
b. Building code resilience (5 mins) Shaw

X. Other – FYI

XI. Proposed Agenda Items – March 4, 2021

a. EAC Sustainability Subcommittee Update

XII. Adjourn

Items for Future Consideration

_____ _____

_____ _____

_____ _____

2019

Board Members

Chair
1. Robert Shaw

Commission Members
2. Ann Maxwell (vice-chair)
3. David Ames
4. Diego LLerena
5. Vacant
6. Vacant
7. Vacant

Ex-officio
Kevin Mulligan
(Public Works)

Staff Liaison
Daryl Norris
(Engineering)

Staff Secretary
Amanda Braddy
(Engineering)

City Council Liaison
Brian Meyerhoeffer

Zoom Meeting Details:

https://zoom.us/j/93614506402?pwd=WDVJdkFPVHZUc002UVZKS2RIMG43QT09

Meeting ID: 936 1450 6402
Passcode: 655858
One tap mobile
+19292056099,,93614506402# US (New York)
+13017158592,,93614506402# US (Washington DC)

Dial by your location
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Washington DC)
+1 312 626 6799 US (Chicago)
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston)
Meeting ID: 936 1450 6402
Find your local number: https://zoom.us/u/aczGWGd4C

Environmental Advisory Commission Mission:

The Environmental Advisory Commission is hereby created for the primary purpose of recommending matters of environmental concern and serve as technical advisory to the City Council.

Environmental Advisory Commission Purpose:

- Inventory and review, on a continuing basis, the condition of and threats to the environmental resources of the City; and as technical advisors, to report all needs for improvement and corrective actions to the City Council.
- To be advisory to the City Council. The commission will recommend to the City Council matters of city-wide environmental concern and shall serve as technical advisors to the City Council on environmental matters. In addition, it will review Environmental Impact Statements required by the City on major development projects.

ATTACHMENT A

(January 7,2021 Minutes)

Action: For your review and approval.

ENVIRONMENTAL ADVISORY COMMISSION MINUTES
January 7, 2021

CALL TO ORDER

Members of the Environmental Advisory Commission met on the above date at 5:30 p.m. via Zoom. Diego LLerena, Chairperson, called the meeting to order and welcomed all those present. The following attended the meeting:

1. ROLL CALL

MEMBERS:

Diego LLerena
Ann Maxwell
Robert Shaw
David Ames

OTHERS PRESENT:

Daryl Norris, City of Greenville
Amanda Braddy, City of Greenville
Chad Carwein, East Carolina University
John Demary, Pitt County
John Coward, ECVC

2. PLEDGE OF ALLEGIANCE

3. ADDITIONS/DELETIONS/APPROVAL OF AGENDA

A motion was made by Ms. Maxwell to approve the agenda as presented. The motion was seconded by Dr. Shaw and passed unanimously.

4. APPROVAL OF DECEMBER 7, 2020 MINUTES

Dr. Ames made a request to change old business to reflect the students are from Duke University rather than East Carolina University. Ms. Maxwell made a request to change the verbiage under the recycling section to reflect calling Mr. Demary as well as Mr. Coward. Ms. Maxwell made a motion to approve the agenda with the requested changes. The motion was seconded by Dr.Ames and passed unanimously.

5. ANNOUCEMENTS

None

6. PUBLIC COMMENT PERIOD

None

7. COMMISSION REPORTS

A. ECU Sustainability Report

Mr. Carwein stated ECU is still in the process of applying for electric car charging stations for the Health Science Campus. He also stated he has a student intern within the Geography program that will be helping with bee keeping and expandi the tree inventory. ECU will be renewing the Bee Campus USA program. There will be a virtual lecture by Robert Bilott on February 4th. Mr. Carwein finalized and posted the monthly garden and orchid work days as well as the Town Creek Culvert cleanup.

8. OLD BUSINESS

A. EAC Sustainability Subcommittee Update

Dr. Ames stated a meeting is scheduled with Ms. Wall to discuss the issues of sustainability and

discussing the Duke Graduate Student volunteer program.

9. NEW BUSINESS

A. Recycling

Ms. Maxwell introduced Mr. Demary and Mr. Coward to speak about Recycling. Mr. Demary spoke about fee increases and glass removal. Mr. Demary stated glass was removed because it was breaking within the trucks and contaminating the other recyclable goods. The County has applied for a grant with the Glass Foundation and is waiting to hear back on how much funding the County will receive. The grant will fund containers being placed within the county for citizens to drop off glass for recycling. Mr. Coward spoke about ECVC's involvement with glass recycling. He spoke about how rejection rates were increasing due to glass contaminating other recyclable goods. Ultimately, preventing recyclable goods from being processed. Dr.Ames asked Mr. Coward to explain what plastics are currently being accepted. Mr. Coward explained they are currently accepting milk jugs, water jugs, drink jugs, detergent bottles, Gatorade bottles, soda bottles. Plastics they are not taking are plastic bags, grocery store bags, styrofoam and plastic food containers. Dr.Shaw asked about metal containers and Mr. Demary advised as long as the containers have been cleaned out they are able to accept the pile. Mr. Carwein stated he feels the communication efforts should be more consistent across the City of Greenville, Pitt County and ECVC departments. Ms. Debs informed the committee about the Facebook group, Dissident Glass Recyclers of Pitt County.

10. OTHER– FYI

Mr. LLerena asked if New Year elections were being held. Ms. Braddy asked for a motion to add elections to the agenda for discussion. Dr. Shaw made a motion to amend the agenda to include election. The motion was seconded by Dr. Ames. The motion was unanimously approved.

Mr. LLerena stated after April he will no longer be able to service on the committee.

11. ELECTIONS

Mr. LLerena asked for nominations for Chair. Dr. Shaw nominated Ms. Maxwell. Ms. Maxwell declined the nominations and nominated Dr. Shaw. The motion was seconded by Dr. Ames. The motion was passed unanimously.

As acting Chair, Dr. Shaw asked for nominations for Vice-Chair. Ms. Maxwell nominated Dr. Ames to which he declined. Dr. Shaw nominated Ms. Maxwell and Mr. LLerena seconded. The motion was passed unanimously.

12. PROPOSED AGENDA ITEMS

No changes.

13. ADJOURNMENT

Ms. Maxwell made a motion to adjourn the meeting. The motion was seconded by Mr. LLerena and unanimously approved. Dr. Shaw closed out the meeting.

ATTACHMENT B

(Dark Waters Flyer)

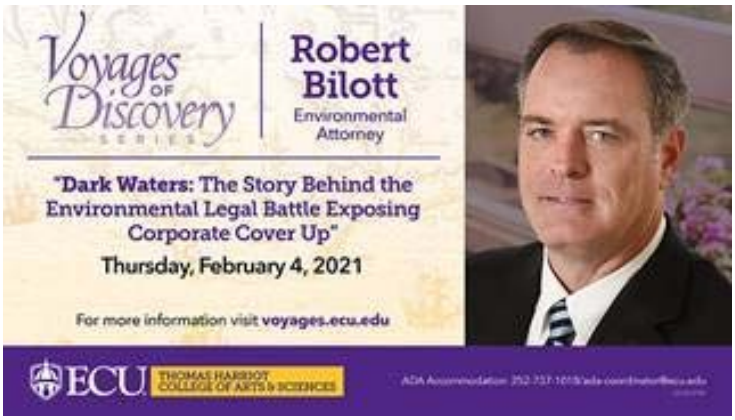
Action: For your information.

As part of the ECU Sustainability Film Series, any ECU student, staff, or faculty member with an @ecu.edu or @students.ecu.edu email address can watch the Dark Waters film anytime from Tuesday, February 2 through Wednesday, February 3 using this link:

https://digitalcampus.swankmp.net/VS-ECU56511/watch/AFDA1B85E5D45B5F?referrer=direct

Thomas Harriot College of Arts and Sciences
2020-21 Voyages of Discovery Series Season on Climate, Water, and Environment presents

"Dark Waters: The Story Behind the Environmental Legal Battle Exposing Corporate Cover Up"
Thursday, Feb. 4
7-8:30 p.m.
featuring
Mr. Robert Bilott
environmental attorney and inspiration behind the 2019 movie "Dark Waters," staring Academy Award-winning actor Mark Ruffalo



Register in advance for the live streaming **Zoom meeting**.
After registering, you will receive a confirmation email with information on how to join the meeting.

For additional information, visit the **Voyages** website.

ATTACHMENT C

(Annual Stormwater Report)

Action: For your information.

Greenville
NORTH CAROLINA
ENGINEERING

October 30, 2020

Trish D'Arconte
NC DWQ – Nonpoint Source Planning Branch
1611 Mail Service Center
Raleigh, NC 27699-1611
(919) 707-3678
trish.darconte@ncdenr.gov

RE: CITY OF GREENVILLE
TAR-PAMLICO RIVER BASIN 2018-2019 ANNUAL STORMWATER REPORT

Dear Ms. D'Arconte:

Enclosed is the Annual Report for the City of Greenville's Stormwater Management Program. This report is for the period of **October 2019 – September 2020**.

If you have any questions, please contact me at dnorris@greenvillenc.gov or (252) 329-4350.

Sincerely,

Daryl Norris, PE, CFM, CPSWQ
Civil Engineer III, Stormwater

cc: Jeanette Powell – NC DEQ
Lisa Kirby, PE, CFM, – Director of Engineering
Environmental Advisory Commission

Annual Report for:

City of Greenville
Stormwater Management Program

Date Prepared:
October 2020

Reporting Period:
October 2019 – September 2020

Prepared by:	**Prepared for:**
Daryl Norris, PE, CFM, CPSWQ	Trish D'Arconte
Civil Engineer III, Stormwater	Environmental Program Consultant
City of Greenville – Engineering Department	NC DWR - Nonpoint Source Planning Branch
1500 Beatty Street	1611 Mail Service Center
Greenville, NC 27834	Raleigh, NC 27699-1611
252-329-4350	919-707-3678
dnorris@greenvillenc.gov	trish.darconte@ncdenr.gov

I. EXECUTIVE SUMMARY

The City of Greenville has completed its thirteenth annual report to the NC Division of Water Resources. This report highlights the following components of our Stormwater Management Program:

I. Executive Summary
II. New Development Review/Approval
III. Compliance and Enforcement
IV. Illegal Discharges
V. Retrofit Opportunities
VI. Public Education
VII. Additional NPDES MS4 Components

The appendices provided include summary tables for new development, illicit discharge violations and public education back-up information. In addition, the following are updates to programs or projects managed by the City of Greenville's Stormwater Management Program to address community issues associated with stormwater runoff.

Stream Enhancement Program Update:

The Stream Enhancement Program addresses bank erosion along blue-line streams in an effort to improve water quality, property values and protect the safety of citizens. The program was intended to provide an avenue for property owners to apply for funding from the City to address eroded blue-line stream banks located on private property. This program is typically funded through the Stormwater Utility. During the report period the City received 1 application for funding. The project was able to be accomplished with minimal expense by using extra materials from previous projects. This project included installation of Filtrexx silt socks to repair a small area of severe bank erosion. The streambank stabilization project from last year on Meetinghouse Branch from the Watershed Master Plan which included a small flood bench and stabilized slopes with live staking was completed. This project minimized erosion on a flashy portion of the stream with heavy shear stress and helped to protect existing sewer utilities adjacent the stream. Staff met with 1 other potential applicant but it was determined it did not meet the criteria to be eligible for funding. The City will continue to accept applications and rank projects and will resume this effort in 2021 with available funds for eligible projects with any remaining funds to be utilized for other stream restorations identified in the Watershed Master Plans.

Watershed Master Planning Update:

Three stormwater capital improvement projects identified in the Watershed Master Plans are currently being designed for construction.

The South Elm Street Drainage Improvements project is identified in the Schoolhouse Branch – Harris Mill Run Watershed Master Plan. This project involves replacement and upsizing of several blocks of storm drain pipes and daylighting the outlet to the Tar River with plans for a

constructed wetland near a City park pending funding from the Environmental Enhancement Grant Program. This project is approximately 60% designed at the time of this report.

The Cedar Lane drainage and streambank stabilization projects are identified in the Greens Mill Run Watershed Master Plan. This project involves replacement of aging drainage infrastructure and the stabilization of a highly eroding section of stream. At the time of this report, this project is 60% designed.

The Greenbriar Drainage and Stream Improvements project is identified in the Greens Mill Run Watershed Master Plan. This project involves adding additional roadway culverts, stream floodplain benching, stream daylighting, and stream stabilization. At the time of this report this project is approximately 30% designed.

Long-Term Operation and Maintenance of Structural Stormwater BMPs Update:

The City continues to recognize the importance of long-term maintenance and intends to develop policies and procedures to address the long-term operation and maintenance of structural stormwater BMPs associated with residential subdivision development.

Currently, the residential developer turns the long-term operation and maintenance of structural stormwater BMPs over to a Home Owners Association (HOA) once the development or a portion of the development is completed. Residential developments that have been built since the implementation of the State regulations will soon be of an age where extensive maintenance and vegetative/nuisance management are required to keep the facilities functioning as designed. Thereafter, HOA's are then unable financially to meet the routine and extensive maintenance program requirements, which then leads to complications for both the City and HOAs to ensure compliance with long-term operation and maintenance requirements.

It is the City's goal to develop policies and procedures in the future to address and alleviate these complications. This will be a topic of discussion with the upcoming Stormwater Advisory Committee.

Environmental Advisory Commission:

The Environmental Advisory Commission (EAC) was created for the primary purpose of recommending matters of environmental concern and serve as technical advisory to the City Council. The Commission purpose statements are:

- Inventory and review, on a continuing basis, the condition of and threats to the environmental resources of the City; and as technical advisors, to report all needs for improvement and corrective actions to the City Council.
- To be advisory to the City Council. The commission will recommend to the City Council matters of city-wide environmental concern and shall serve as technical advisors to the City Council on environmental matters. In addition, it will review Environmental Impact Statements required by the City on major development projects.

The Commission is comprised of citizens that reside in the City and is composed of 1 (one) lawyer or other person with knowledge of environmental regulations and environmental safety

practices; 1 (one) building contractor, land developer or someone familiar with construction techniques; 1 (one) member of a local environmental group; 1 (one) educator of the natural or physical sciences or physician; 1 (one) professional engineer; 1 (one) at-large member from the Greenville community; and 1 (one) at-large member from the Greenville community with skills and an interest in environmental health, safety, and/or medicine.

The Commission meets the first Thursday of every month (except July) and is broadcast live on our local television network and recorded for playback throughout the month and online. The Commission is also responsible for selecting the recipients of the EAC Stormwater Grant detailed later in this report. Due to COVID-19 and inability to meet quorum, the EAC did not meet during April-September 2020.

Stormwater Advisory Committee and Utility Rate Study:

The establishment of this stakeholder's group was a natural outgrowth of the City's forward-thinking Watershed Master Planning (WSMP) process, the results of which were presented to the City Council on August 25, 2016. The Master Plans took a holistic look at the City's drainage basins and stormwater management program to identify current and future needs both in terms of infrastructure and programming to reduce the severity, duration, and frequency of flooding, stabilize streambanks, and provide water quality treatment for impaired watersheds. The total implementation cost identified in the Master Plans for capital projects is approximately $170 Million in 2016 dollars. Additionally, the City will be required to replace aging infrastructure nearing the end of its life cycle. Staff currently estimates the maintenance cost to replace this infrastructure over a 40-50-year timeframe is approximately $230 Million. When evaluating these needs in comparison with current revenues, it became clear that there is a growing deficit that must be addressed.

Upon the recommendations of staff and the Stormwater Advisory Committee, Council voted to approve long term expansion of the stormwater program including addition of new staff, equipment, office space, and funds for priority capital improvement projects from the Watershed Master Plans. This is planned to be funded through a combination of existing Stormwater Utility fund balance, systematic increases in the Stormwater Utility fee, and use of revenue bonds. The planned increase to the Stormwater Utility was delayed due to concerns of the impact of COVID-19. Hiring additional staff is presently underway.

The next objective of the Stormwater Advisory Committee will be to work with stakeholders to update and revise development ordinances to current standards and as a result of upcoming changes to the Tar-Pam and Neuse NSW rules.

Program for Public Information:

The City of Greenville participates in the Community Rating System of the National Flood Insurance Program. In an effort to increase the City's score and insurance premium discount, the City contracted with Wood Environmental, PLC to develop and conduct a Program for Public Information (PPI) and Repetitive Loss Area Analysis. Part of this process involves the creation of a Program for Public Information Committee. This committee is comprised of City of Greenville staff from Planning, Emergency Management, Public Information Office, and

Floodplain Management, and also includes citizens with special expertise in real estate, lending, insurance, and education.

The purpose of this committee is to develop a plan to better educate and distribute information about flooding and flood insurance to the public in Greenville. This committee has met four times and developed a final program plan that will be incorporated into future public education efforts.

Audit

On January 13, 2020 the Engineering Department received a notice of compliance from NC Department of Environmental Quality (DEQ) after an intense and exhaustive audit conducted over a three day period (December 3-5, 2019). NC Department of Environmental Quality (DEQ) performed a Municipal Separate Storm Sewer System (MS4) permit compliance audit which included a comprehensive detailed evaluation of all components of our Stormwater Program and our Tar-Pam NSW program.

This includes:

- Development review
- Inspections
- Illicit discharge enforcement
- Public education and outreach, and
- Municipal facilities/operations.

The audit identified no deficiencies with the components of the permit. Attached is the associated Notice of Compliance (NOC).

There are currently 109 active NPDES MS4 permits in North Carolina. At the time Greenville was only the second MS4 community in the state to receive a NOC. Several departments; Police, Fire-Rescue, Recreation and Parks, Public Works, and Engineering worked diligently to prepare for the audit and continue to work keeping City operations in compliance with the permit.

New Department of Engineering:

Engineering was previously a division within the City's Public Works Department. Last year the Department of Engineering was created and now manages traffic services, transportation planning (MPO), land development, stormwater management, capital projects, and asset management.

The Public Works Department will continue to handle operations for sanitation, Greenville Area Transit (GREAT), fleet maintenance, street maintenance, and buildings and grounds. Creating a standalone Department of Engineering was done in an effort to meet the priorities and initiatives set by City Council.

COVID-19

This year has seen the entire country and world affected by the COVID-19 pandemic. The City of Greenville is no exception to this. Since March 2020, the City has been doing our best to provide all essential services to the citizens while maintaining the safety of our employees. Several departments have been working split and alternate time shift, reduced hours, teleworking, and whatever else is necessary to meet our obligations. Though this has been challenging, the City has done well with minimal interruption in services. Public events like Pirate Fest, however, were cancelled and many public meetings and presentations were either cancelled or postponed. This has resulted in less in-person educational opportunities and our communications have been more dependent on our website and virtual meetings. Also as a result of the stay at home orders and business shutdowns, the City, as many other communities, is dealing with a budget shortage. As such, a spending freeze has been implemented for all no-essential expenditures. This has delayed planned educational efforts for printing brochures and installation of cisterns in City parks. Once the pandemic is behind us and we can resume normal operations these efforts will continue.

II. PROGRAM ELEMENT: New Development Review/Approval

October 2019 – September 2020

Development Types	Total # Projects		Total # Acres	
	Neuse	Tar-Pam	Neuse	Tar-Pam
New development projects meeting rule criteria	5	22	28.33	1364.54
New development projects requiring BMPs	2	8	10.16	93.63
New development projects requiring Peak Rate Match	5	13	28.33	98.50

Best Management Practice (BMP) Nutrient Removal Efficiencies	Number of BMPs Implemented
Wet Detention Pond	4
Stormwater Wetland	4
Sand Filter	0
Bioretention	0
Dry Detention Basin	0
Grass Swales	0
Permeable Pavement	1
Proprietary Device	1
Total Number of all BMPs Approved	10

A summary table is provided in Appendix A for new development and redevelopment projects subject to the Rule during the 2019-2020 permit year.

Description of off-site options:

No off-site facilities were approved within this reporting period.

Results of jurisdictional review of planning issues:

There are no outstanding planning issues at this time.

III. PROGRAM ELEMENT: Compliance and Enforcement

Construction Compliance and Enforcement	2017	2018	2019	2020
Construction projects completed and signed off	6[5]	1[5]	4[5]	7
Construction projects with enforcement action taken for deficient stormwater systems	0	0	0	0

Operation & Maintenance Compliance and Enforcement	2017	2018	2019	2020
Total of newly completed projects[1]	102	108	109[5]	113
Projects submitting reports	53	53	73	82
Projects inspected by COG	98[4]	108	109[5]	113
Projects with deficiencies	49	72	58	36
Projects w/ deficiencies corrected[2]	2	2	7	6
Projects taking steps to correct deficiencies[3]	49	70	51	25
Projects w/ enforcement action taken	0	0	0	5

[1]This value represents the actual number of sites for which stormwater BMPs were operational for the entire reporting period and does not include the construction projects with newly constructed stormwater BMPs completed and signed off as noted in the first table under this section.

[2] These values include projects with deficiencies corrected this program year but may have been discovered this program year or previous years.

[3] These values include projects that have submitted plans of action as well as those who are within the 90 day response period from the notice of deficiency.

[4] 4 sites experienced change of ownership and inspections had not yet been scheduled with the new owners at the time of the report.

[5] Corrected from previous year's report that included a facility already listed and a facility not yet complete.

Description of any compliance issues:

Construction-

The City has some challenge with phased developments that were not originally designed to be phased. Most common is that of a multi-building apartment complex submitted all under one phase site plan, but during construction the owners want individual certificates of occupancy for each building as they are built but while the rest of the site remains under construction. This poses a challenge with the timing and assurance of when an erosion control basin can be converted to the permanent post-construction stormwater control.

Operation and Maintenance-

2019-2020

Out of the 113 sites inspected during this permit cycle, 36 were found to have deficiencies; of which 6 have corrected deficiencies, 5 were undergoing enforcement action and 25 were taking steps to correct deficiencies or still within their 90 day response period from the City of Greenville's notice of deficiency to complete the necessary corrective actions. To date the City

has received 5 plans of action to address the deficiencies. 18 of the 36 deficiencies were due to not having submitted an annual report by their due date but otherwise compliant.

Inspection forms and copies of the annual reports are on file at the City of Greenville Engineering Department and may be provided upon request.

Describe enforcement actions taken and current status:

Construction-

There are no outstanding construction enforcement actions for this permit cycle.

Operation & Maintenance-

2019-2020
Out of the 113 sites inspected during this permit cycle, as of the date of this report, 5 were under Notice of Violation (NOV) with 1 of those progressing to Civil Penalty.

6 of the sites that were found to be non-compliant, have had other deficiencies in the previous year. These sites will be considered for a Notice of Violation unless they respond with corrective action or action plan in a timely manner.

The most common deficiencies and violations include:

- Lack of response to correspondence and/or acknowledgment of deficiencies.
- Lack of receiving maintenance logs or annual reports.
- Vegetation management.

IV. PROGRAM ELEMENT: Illegal Discharges

In accordance with the Tar-Pamlico River Basin – Nutrient Sensitive Water Management Strategy: Basinwide Stormwater Requirements, the City of Greenville developed an Illicit Discharge/Connection Program. This program establishes the process and legal authority to detect and eliminate any illegal discharge or connection within the city limits and up to 1 mile outside the contiguous city limits.

The table presented on the next page is a summary of the violations that were investigated during this permit cycle and the resulting action taken. The City also continued to issue multiple door hanger notices throughout the year at residences and businesses to provide education on the impacts of placing lawn debris and other materials in the street.

The City of Greenville continues to rely on the NC Department of Environment and Natural Resources Environmental Help Line for water quality concerns in our area. The number is 1-877-623-6748. We did not receive any calls as a result of the state hotline during this permit cycle. In addition, through our pollution prevention education efforts, reports on water quality concerns have continued to be regularly received at the Public Works and Engineering Departments.

As presented in previous Annual Reports, the City of Greenville has completed the collection and organization of jurisdiction-wide information identified in the permit. This information was compiled from various resources such as Greenville Utility Commission's GIS database, City of Greenville's GIS database, NC Division of Water Quality records and NC Division of Environmental and Natural Resources records. We have completed our annual update of this information.

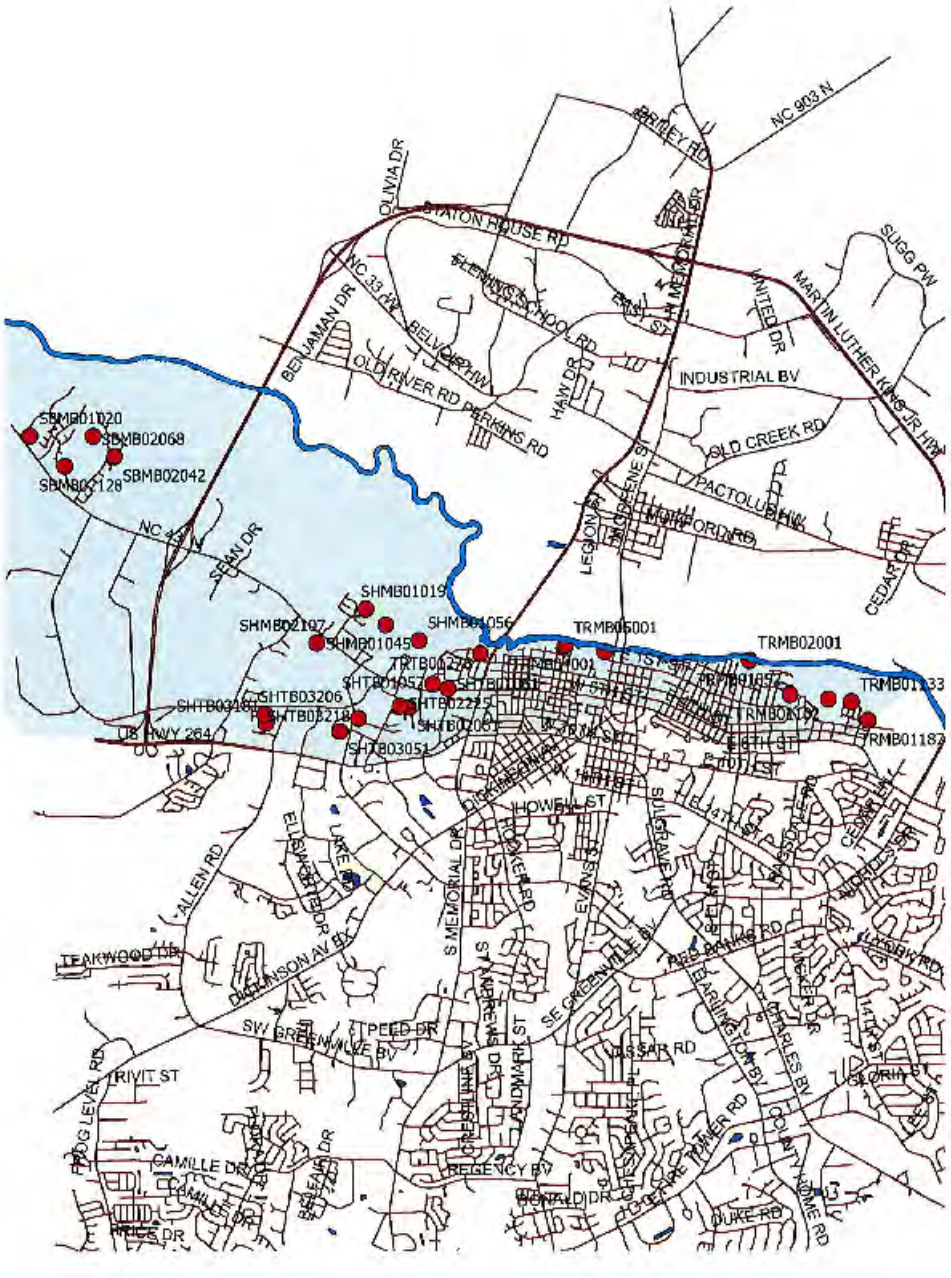
As part of Section 3-E in the City of Greenville Stormwater Management Program (COG SMP), the City contracted with a private consultant, The East Group, to conduct dry weather field screening of outfalls in a specified area. To select the area, a map was created showing all seven watersheds within the City's jurisdiction. Due to the size, feasibility, and location within what the City determined to be a high risk area; the Schoolhouse Branch – Harris Mill Run watershed was chosen which represents approximately 10% of the geographic jurisdiction area. There were 25 outfalls in this area that fit the criteria outlined in the COG SMP. Of the 25 outfalls in this area only 6 were observed to be dry while 10 were observed to have standing water and 9 had a slight trickle of flow. The ground water in this area is extremely high and much of the storm drainage system allows seepage into the pipes resulting in constant flow from most of the outfalls. To be certain that the water in these outfalls were not results of illicit discharge, pH and chlorine tests were performed. None of the samples showed levels of either above what would be expected in ground or surface water.

2019-2020

SITE	VIOLATION	ACTIONS TAKEN	NOV SENT	RESPONSIBLE PARTY
1002 Cortland Rd	Truck leaking oil onto street	Talked with owner of vehicle and informed them truck cannot be parked on the street leaking oil. Owner sent receipt showing truck had been repaired.	y	Bernard and Nancy Brown
504 Daventry Dr	Leaves piled in the street	Informed homeowner leaves must be removed from street.	N	Homeowner
1301 E Wright Rd	Leaves in curb	Investigated and could not determine source of discharge. It appears leaves fell directly from surrounding trees.	N	Multiple
The Scullery	Cleaning kitchen mats in alley	Investigated and found kitchen mats stacked in the alley and grease discharging into street and catch basins. Educated and informed owner to discontinue washing mats in alley.	Y	The Scullery, LLC
600 Maple St	Leaves in street	Informed homeowner leaves must be removed from street.	N	Homeowner
506 Daventry Dr	Leaves piled in the street	Informed homeowner leaves must be removed from street. Sent educational letters to entire neighborhood block.	N	Homeowner
1004 Westover Dr	Trash in ditch	Investigated and could not determine source of trash. It appears it come from all throughout the neighborhood and collected in one area. Forwarded information to code enforcement.	N	Multiple
Hertz	Washing cars in alley	Investigated and found soap and water reaching the catch basin from alley behind Hertz. Informed employees discharge from car washing cannot reach storm drain.	Y	Hertz
604 Queen Anne's Rd	Yard waste in street	Yard waste had been removed upon arrival. Left informational letter about illicit discharge.	N	Homeowner
1112 N Greene St	Sewer in street	Sewer main had an issue causing back-up. Utility company fixed main line and cleaned up area.	N	GUC

801 WH Smith Blvd	Blue water in drainage ditch	Investigation determined the water was overflowing from pond at 800 WH Smith Blvd that is tied into the storm drain.	N	PCMH Management Inc
402 W 13th St	Trash in catch basin	Spoke with homeowner and they immediately removed trash.	N	Multiple
419 A Wyatt St	Paint dumped in yard running into the street	Sent homeowner and tenant a letter informing them that paint cannot be discharged into the street.	Y	Deidre Glaspie
804 Chesapeake Dr	Yard debris in street	Informed homeowner that tree limbs must be removed from street.	N	Homeowner
314 Kenilworth Rd	Tree limbs in street	Informed homeowner that tree limbs must be removed from street	N	Homeowner
300 S Meade St	Tree limbs and leaves in street	Informed homeowner that yard debris must be removed from street.	N	Homeowner
2303 Stirrup Ct	Tree limbs in street	Informed homeowner that yard debris must be removed from street.	N	Homeowner
2905 S Memorial Dr	Tree limbs in street	Informed homeowner that yard debris must be removed from street.	N	Homeowner
1300 B Price Dr	Oil in catch basin	Investigation found traces of oil from the driveway to the catch basin. Sent homeowner and tenant a letter informing them oil must be removed from catch basin.	Y	Tameka Clemons

2020 Dry Weather Screening Area – Harris Mill Run – Schoolhouse Branch Watershed



V. PROGRAM ELEMENT: Retrofit Opportunities

As discussed in the previous reports, the City of Greenville completed all of the Watershed Master Plans. Throughout this planning process numerous locations were identified by citizens, staff and the consultant (via stream walks) that were either severely eroded or had the potential for a structural BMP. All locations were assessed and viable locations were prioritized. A stakeholders group will be formed to further prioritize projects on a City-wide level. The table below identifies the top 12 water quality and/or stream stabilization projects across the Meetinghouse Branch Watershed and the estimated cost to design and construction the retrofit:

Prioritization	Project	Cost
1	Charles Boulevard Stream Stabilization	$152,900
2	Perkins Field – Bioretention	$90,500
3	Eastern Elementary School – Bioretention	$80,200
4	Oakmont Drive – Bioretention	$41,200
5	Brook Valley Golf Course Stream Stabilization	$135,500
6	Bloomsbury Road Stream Stabilization	$59,500
7	Crooked Creek Road Stream Stabilization	$85,200
8	Jaycee Park - Bioretention	$151,100
9	Brook Valley Country Club – Bioretention	$55,500
10	Eleanor Street – Bioretention	$57,500
11	Kensington Drive Stream Stabilization	$174,200
12	Free First Baptist Church - Bioretention	$82,900

The project assessment, summary, and map of projects and the project summaries, and sizing calculations are included on the following pages.

Bank Erosion Hazard Rating Guide

Stream	Meetinghouse	Assessment Number	2	Date		Crew			
Bank Erosion Potential	Bank Height (ft): / Bankfull Height (ft):	Bank Height/ Bankfull Ht		Root Depth/ Bank Height		Root Density %		Bank Angle (Degrees)		Surface Protection%	
VERY LOW	Value	1.0-1.1		1.0-0.9	0.98	100-80		0-20		100-80	
	Index	1.0-1.9	0.00	1.0-1.9	1.23	1.0-1.9	0.00	1.0-1.9	0.00	1.0-1.9	0.00
LOW	Value	1.11-1.19		0.89-0.5		79-55		21-60		79-55	
	Index	2.0-3.9	0.00	2.0-3.9	0.00	2.0-3.9	0.00	2.0-3.9	0.00	2.0-3.9	0.00
MODERATE	Value	1.2-1.5		0.49-0.3		54-30		61-80	70.00	54-30	
	Index	4.0-5.9	0.00	4.0-5.9	0.00	4.0-5.9	0.00	4.0-5.9	4.90	4.0-5.9	0.00
HIGH	Value	1.6-2.0		0.29-0.15		29-15	15.00	81-90		29-15	18.00
	Index	6.0-7.9	0.00	6.0-7.9	0.00	6.0-7.9	7.90	6.0-7.9	0.00	6.0-7.9	7.49
VERY HIGH	Value	2.1-2.8		0.14-0.05		14-5.0		91-119		14-10	
	Index	8.0-9.0	0.00	8.0-9.0	0.00	8.0-9.0	0.00	8.0-9.0	0.00	8.0-9.0	0.00
EXTREME	Value	>2.8	4.00	<0.05		<5		>119		<10	
	Index	10	10.00	10	0.00	10	0.00	10	0.00	10	0.00
V = value, I = index						SUB-TOTAL (Sum one index from each column):				31.5	

Bank Material Description:

Bank Materials

Bedrock (Bedrock banks have very low bank erosion potential)

Boulders (Banks composed of boulders have low bank erosion potential)

Cobble (Subtract 10 points. If sand/gravel matrix greater than 50% of bank material, then do not adjust)

Gravel (Add 5-10 points depending percentage of bank material that is composed of sand)

Sand (Add 10 points)

Silt Clay (+ 0: no adjustment)

BANK MATERIAL ADJUSTMENT: **10**

Stratification Comments:

Stratification

Add 5-10 points depending on position of unstable layers in relation to bankfull stage

STRATIFICATION ADJUSTMENT:

VERY LOW	LOW	MODERATE	HIGH	VERY HIGH	EXTREME
5-9.5	10-19.5	20-29.5	30-39.5	40-45	46-50

Bank location description (circle one)

Straight Reach Outside of Bend

GRAND TOTAL: **41.5**

BEHI RATING: **VERY HIGH**

Stream Stabilization Project #1 – Charles Boulevard – The Charles Boulevard project begins on Meetinghouse Branch immediately downstream of Charles Boulevard. As shown on Figure 5-1, the project begins at the culvert crossing and continues downstream for approximately 650 linear feet. The Charles Boulevard project is a second order perennial section of Meetinghouse Branch and has a drainage area of 114 acres. Land use surrounding this project consists mainly of small business offices and residential houses. The proposed project reach flows west to east and is confined within a steep eroded channel feature. The bottom width (streambed) is approximately 3 to 4 feet wide. Both left and right banks are nearly 10 feet tall and have bank angles of 70 degrees. The average top channel width is 15 feet wide. This channel does not have a forested buffer making it highly susceptible to bank erosion. Herbaceous bank vegetation is dominant throughout and is being overtaken by the invasive species kudzu (*Pueraria montana*). Bank conditions are currently unstable and eroding at an accelerated pace due to loamy sand soil texture and lack of sufficient bank vegetation. Another factor contributing to erosion and down cutting of the streambed is the high flow velocity from flashy storm events. In some locations along the project reach, right bank erosion is extreme enough that it reaches landscape fences in adjacent property owners' lawns (See Picture 5-2).

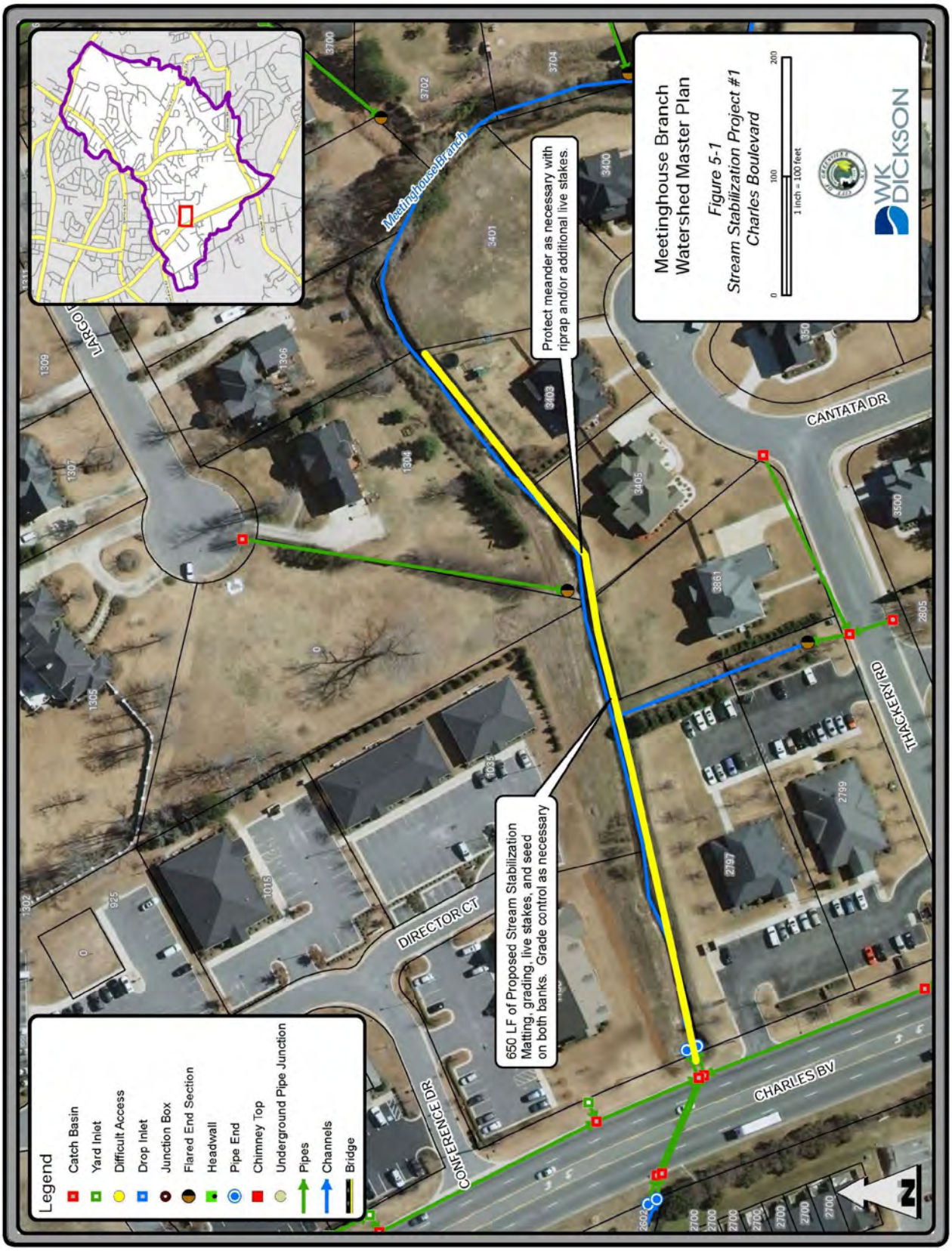
Picture 5-2. Severe bank erosion along landscaping fence

The proposed project reach has opportunities for bank stabilization to prevent sediment loading and bank erosion to Meetinghouse Branch. Open lawn areas adjacent to this stream segment would make this project accessible. To improve bank stability and reduce bank erosion along the proposed reach, several tasks need to be performed. Bank erosion can be reduced by grading channel banks back to a minimum 2 to 1 slope and placement of coir erosion control matting along banks and bare areas. Live staking stream banks along both stream banks will also help prevent undercutting and bank failures in the future. The entire project area should be treated for invasive species (kudzu removal) and planted with a permanent riparian seed mix. To reduce water velocity, several large boulder structures or rip-rap can be placed within the streambed at the toe of bank. This will help to stabilize the streambed and toe.

The estimated cost for the Charles Boulevard project is $152,900. The stream stabilization project will run along the backside of several private properties, which may result in potential impacts to landscaping and fencing at the following private properties:

- 1100 Conference Drive;
- 1035 Director Court;
- 2797 Charles Boulevard;
- 3861 Thackery Road;
- 1304 Largo Road;
- 3403 and 3405 Canata Drive.

Charles Boulevard Stream Stabilization – *Project Map*



Water Quality Project #5: Perkins Field

A bioretention project is proposed in the open space located between the Perkins Field parking lot and an open channel system. This area is adjacent to a ½-acre parking lot that currently drains to an existing closed system before discharging to an open channel. The proposed project location is shown in Picture 5-16.

Picture 5-16. Proposed Location for Perkins Field Bioretention Area

The required surface area for the proposed bioretention area is approximately 2,800 square feet (0.06 acres). A concept level plan of the proposed improvements is shown in Figure 5-10. The proposed Perkins Field bioretention project consists of the following improvements:

- Install a bioretention area designed to treat runoff from the adjacent parking lot.
- Install a yard inlet with an 18″ outfall pipe directing flow into the existing open channel system.

The estimated construction cost for the Perkins Field bioretention project is $90,500. The proposed water quality project is located on public property owned by the City of Greenville therefore no easement agreements are required. Another benefit of the bioretention area being located on public property with access to numerous residents, the BMP can provide an educational opportunity to discuss the water quality benefits of a bioretention area. Educational signage (See Picture 5-17) can be installed adjacent to the project.

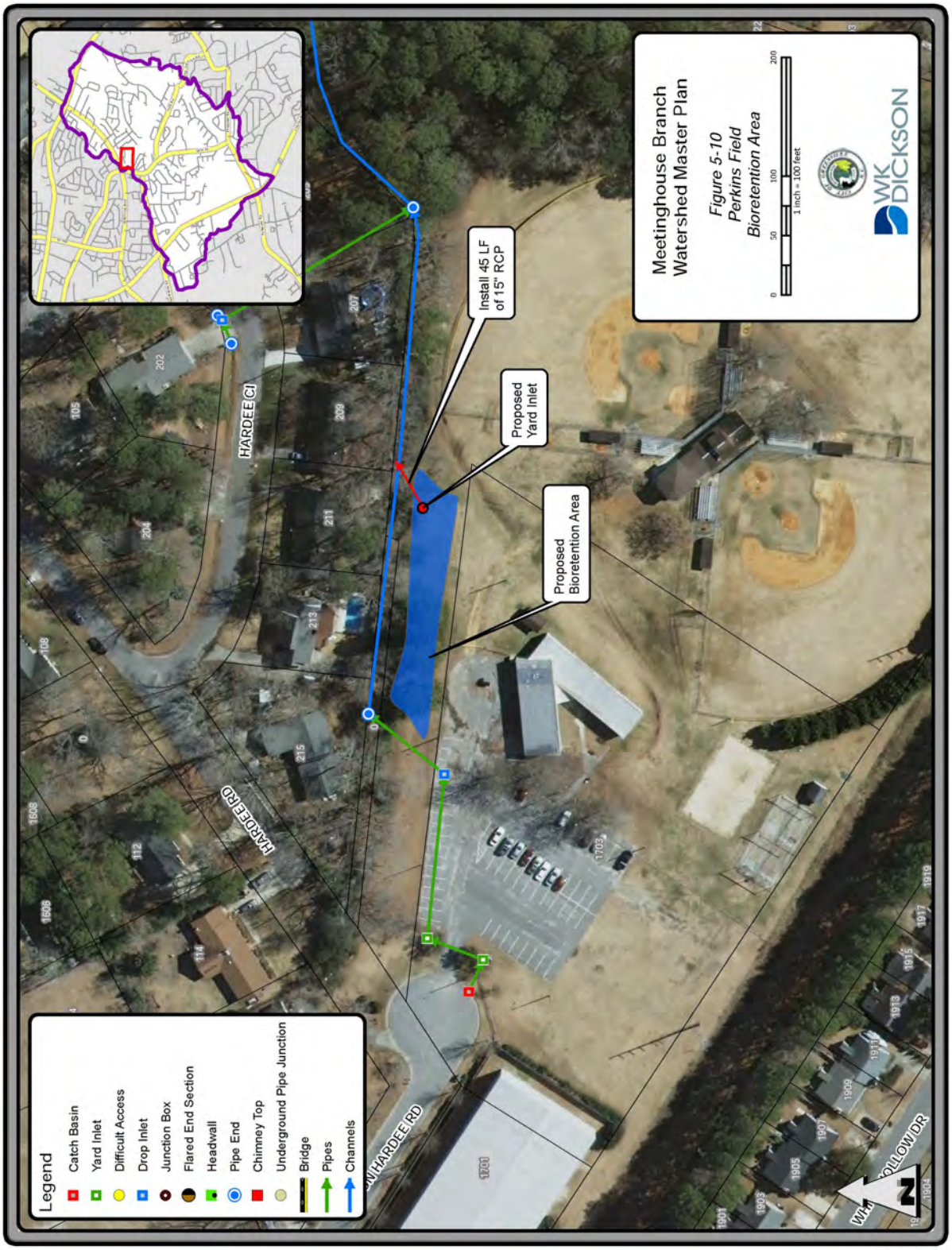
Bioretention Area - Perkins Field

Project: City of Greenville - Pilot Watershed Master Plan
Prepared by: EVH
Checked by: TLM
Date: 10/10/12

DRAINAGE AREA INPUT PARAMETERS

Water Quality Event (in)	1.00		Input
	Pervious	**Impervious**	
Drainage Area (sq ft)	50,690	30,897	Input
Sub-basin CN	79	98	Input
S (in)	2.66	0.20	Calculated
R/O (in)	0.07	0.79	Calculated
Sub-basin WQ Volume (sf*in)	3556	24437	Calculated
Sub-basin WQ Volume (cf)	296	2036	Calculated
Summary Calculations			
Total Watershed area (sq ft)	81,587		Calculated
Total Watershed area (acres)	1.87		Calculated
Total WQ Runoff Volume (sf*in)	27,993		Calculated
Total WQ Runoff Volume (cf)	2,333		Calculated
Surface area of bioretention			
Average depth of water (in)	10		Input
Surface area of bioretention (sf)	2,799		Calculated
Surface area of bioretention (ac)	0.06		Calculated
Depth of Bioretention (in)	36		Input
Length of Bioretention (ft)	92		Input
Width of Bioretention (ft) *Assuming 3:1 Ratio (L:W)*	31		Calculated

Perkins Field Bioretention – *Project Map*



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Water Quality Project #6: Eastern Elementary School

A bioretention area is proposed in the open space located in the northeastern corner of the parcel owned by the Greenville Board of Education (See Picture 5-18). This area is adjacent to one of the Eastern Elementary School parking lots and its entrance road. The open space is ideal for constructing a bioretention project that collects runoff from the parking lot that currently drains directly into the existing closed system. Currently, there is a curb cut that directs flow from the school's entrance road to the gutter along Cedar Lane. It is recommended that a similar curb cut be installed to direct flow to the proposed bioretention area. The proposed water quality project is located outside of the Meetinghouse Branch Watershed. However a portion of the school is located on the watershed boundary therefore this project was included as part of the Master Plan.

Picture 5-18. Proposed Location for Eastern Elementary School Bioretention Area

The required surface area for the proposed bioretention area is approximately 2,300 square feet (0.05 acres). A concept level plan of the proposed improvements is shown in Figure 5-11. The proposed Eastern Elementary School bioretention project consists of the following improvements:

- Install a bioretention area designed to treat runoff from the adjacent parking lot and entrance road.
- Install a concrete curb that will allow water to access the proposed bioretention area.
- Install a yard inlet with an 18" outfall pipe directing flow into the existing closed drainage system along Cedar Lane.

The estimated construction cost for the Eastern Elementary School bioretention area is $80,200. The proposed water quality project is located on public property therefore no easement agreements are required. Similar to the Perkins Field bioretention area, this project can also serve as an educational opportunity to discuss the water quality benefits of BMPs through signage and engagement with the student body of Eastern Elementary School.

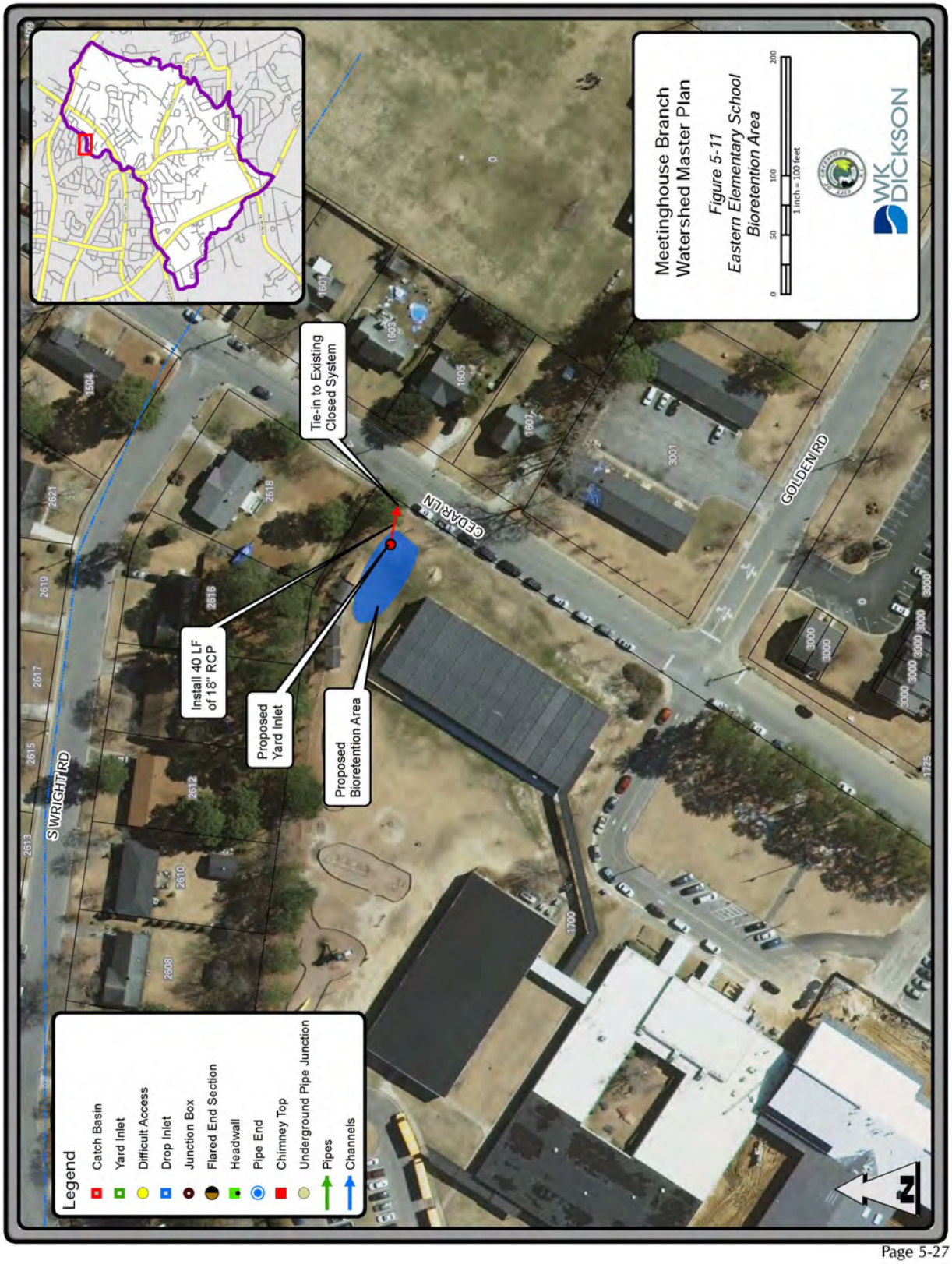
Bioretention Area - Eastern Elementary School

Project: City of Greenville - Pilot Watershed Master Plan
Prepared by: EVH
Checked by: TLM
Date: 10/10/12

DRAINAGE AREA INPUT PARAMETERS

Water Quality Event (in)	1.00		Input
	Pervious	**Impervious**	
Drainage Area (sq ft)	81,151	29,255	Input
Sub-basin CN	65	98	Input
S (in)	5.38	0.20	Calculated
R/O (in)	0.00	0.79	Calculated
Sub-basin WQ Volume (sf*in)	90	23138	Calculated
Sub-basin WQ Volume (cf)	8	1928	Calculated
Summary Calculations			
Total Watershed area (sq ft)	110,406		Calculated
Total Watershed area (acres)	2.53		Calculated
Total WQ Runoff Volume (sf*in)	23,228		Calculated
Total WQ Runoff Volume (cf)	1,936		Calculated
Surface area of bioretention			
Average depth of water (in)	10		Input
Surface area of bioretention (sf)	2,323		Calculated
Surface area of bioretention (ac)	0.05		Calculated
Depth of Bioretention (in)	36		Input
Length of Bioretention (ft)	84		Input
Width of Bioretention (ft) *Assuming 3:1 Ratio (L:W)*	28		Calculated

Eastern Elementary School Bioretention – *Project Map*



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VI. PROGRAM ELEMENT: Public Education

ACTIVITY		Point Value	# Complete 2019-2020	Actual Points	Actual Costs	# Planned 2020-2021	Est. Points	Est. Costs
1	Demonstration Sites (SCMs)	4 /EA	Y/9	36	$600,000.00	Y/9	36	$9,000.00
2	Newspaper Ads.	2 /EA	N	0	$0.00	N	0	$0.00
3	Technical Workshops	4 /EA	Y/3	12	$0.00	Y/10	40	$500.00
4	Environmental Contest	4 /EA	N	0	$0.00	N	0	$0.00
5	Presentations for Civic Organizations*	1 /EA	Y/3	3	$0.00	Y/6	6	$100.00
6	Web Page / Web Site Links	2 /YR	Y	2	$0.00	Y	2	$0.00
7	Fact sheets / Brochures* (public places)	2 /YR	Y	2	$0.00	Y	2	$4,000.00
8	Utility Bill Inserts	3 /YR	Y	3	$0.00	Y	3	$0.00
9	Developer Packages	3 /YR	Y	3	$200.00	Y	3	$500.00
10	Storm Drain Stenciling	2 /YR	Y	2	$0.00	Y	2	$150.00
11	Adopt-A-Street	4 /YR	Y	4	$0.00	Y	4	$3500.00
12	Adopt-A-Stream	4 /YR	N	0	$0.00	Y	4	$1000.00
13	SW Education Grant Program	1 /YR	N	0	$0.00	N	0	$0.00
14	Hotline	3 /YR	Y	3	$0.00	Y	3	$0.00
15	Direct Mail	3 /YR	N	0	$0.00	N	0	$0.00
16	Booths & Events	2/YR	N	0	$0.00	Y	2	$250.00
17	Major Media Advertising	6 /YR	N	0	$0.00	N	0	$0.00
18	TV or Radio Spots (City Scene)	3 /YR	Y	3	$0.00	Y	3	$0.00
			'19-'20 TOTAL	**73**	**$600,200**	**'20-'21 TOTAL**	**110**	**$19,000**

*See Appendix C for supporting documentation.

VII. PROGRAM ELEMENT: Additional NPDES MS4 Components

The City of Greenville's NPDES MS4 Permit #NCS000437 requires that the City implement its Stormwater Management Plan for the following measures:

Post-Construction Site Runoff Controls
Illicit Discharge Detection and Elimination (IDDE)
Public Education and Outreach

Public Involvement and
Participation
Construction Site Runoff Controls
Pollution Prevention and Good Housekeeping for Municipal Operations
Total Maximum Daily Loads (TMDLs)

The MS4 permit Part IV, B. 2. States:

> Reports submitted to submitted to satisfy other State Stormwater Reporting requirements satisfy the annual reporting requirements of this permit to the extent that the reports satisfy Part III, paragraph B 1-5, Part IV, paragraph B 3 (c) and Part II **Section I, Electronic Reporting [g.s. 143-215.1(b)]** of this permit

This section is included in this NSW report to ensure that it satisfies all additional NPDES measures and reporting requirements.

Previously Described Measures

The Post-Construction (section II & III), IDDE (section IV), and Public Education (section VI) are all required components of our NSW program and are detailed in the previous sections of this report. The City applies the NSW requirements across its entire jurisdiction in both the Neuse and Tar-Pam river basins.

Public Involvement and Participation

The Public Involvement and Participation measure is not specifically part of the NSW program but the City of Greenville implements this measure in tandem with its Public Education efforts and those results are detailed in section VI Public Education. Specifically the Public Involvement activities include Storm Drain Stenciling, and Adopt-A-Street. Also part of the Public Involvement and Participation measure are our public advisory boards and committees; Environmental Advisory Commission, and the floodplain Program for Public Information Committee. These are detailed in the Executive Summary of this report.

Construction Site Runoff Controls

The City of Greenville will rely on its locally delegated Erosion and Sediment Control Program established June 8, 1978. The City Of Greenville will rely on the NCDEQ to administer NPDES Stormwater Discharge Permit for Construction Activities (NCG010000).

The City has established and maintains a 24-hour online reporting software to provide a means for concerned citizens and agencies to contact the appropriate authorities when they see water

quality and erosion control problems. The City will record the number of concerns received and the number of problems/incidents remedied as a result of the entries. The City also relies on the state telephone hotline (NCDEQ "Stop Mud") to provide this service as well.

Pollution Prevention and Good Housekeeping for Municipal Operations

The municipal operations that will be impacted by this operation and maintenance program would be the following: the Street Maintenance Division, Buildings and Grounds Division, Sanitation Division, Fleet Maintenance Division, Transit Division, and Recreation and Parks Department Operation and Maintenance, which would include Bradford Creek Municipal Golf Course.

List of Industrial Facilities Requiring Individual NPDES Permits:

- City of Greenville Sand Pit- NCDENR- Division of Land Resources Mining Permit # 74-9.
- City of Greenville Public Works Complex – NCG080000 Industrial Permit.

The City maintains operation and maintenance procedures for all municipal facilities. The Public Works facility is also covered by a NCG08 industrial stormwater permit. Inspection, sampling, and maintenance procedures are detailed in the facility's specific Stormwater Pollution Prevention Plan (SWPPP).

Annual inspections are conducted by the Fire/Rescue Department and monthly by Public Works Staff to identify unsafe conditions, including the potential for discharging of hazardous materials. The City routinely conducts self-inspections to insure OSHA compliance. There are regular inspections and cleaning of oil separators associated with Fleet Maintenance located at the Public Works Complex. These oil separators were cleaned 2 times during the year and waste oil and used oil dry were disposed of by a professional environmental management contractor 3 times during the year.

All paved areas within the Public Works Complex are swept on a semi-annual basis. Litter patrol, is performed on a weekly basis and as needed, collects debris and/or litter at the Public Works Complex. Salt is stored under storage until needed. Waste from street sweeping is stored on-site in a contained area until transferred to a certified landfill.

A SWPPP for the Public Works Complex has been developed and is updated annually. All waste produced and collected as a result of maintenance operations is taken to a certified landfill, recycled, or spread and stabilized appropriately. The City maintains a written Spill Prevention and Response Plan as part of the SWPPP.

City streets are swept on an ongoing basis by a fleet of 4 street sweepers that results in cleaning all city streets approximately 6 times per year. The City has an active street sweeping program that includes 263.82 miles of City maintained streets and 34 miles of State maintained streets.

City staff will conduct semi-annual stormwater system inspections specifically of the stormwater system, of the stormwater controls, and for stormwater pollution potential at the City' operations. Major culverts and open channels are policed for debris clogs after each major storm event. Pipe systems and catch basins are cleaned by hand with a vacuum truck based on flooding reports and as identified through regular maintenance activities. Approximately 70 miles of streams/open channels are manually inspected/checked and cleared of obstructions twice a year.

Most post-construction stormwater control structures are privately owned and maintained but the City does have a small number of municipal owned and maintained control structures. City owned and maintained stormwater control structures follow the same O&M agreements as do privately owned controls. The Engineering Division performs annual inspection of these structures and coordinates with the responsible department for appropriate maintenance efforts.

The City ensures that all municipal employees and contractors are properly trained and certified for any pesticide, herbicide, or fertilizer application used and that appropriate measures are followed. The City conducted an initial training program of all employees that are actively involved in facility operations and routine orientation training of new employees about stormwater management; potential sources of contaminants; reduction in usage of fertilizers, pesticides, and water usage; and Best Management Practices to eliminate stormwater runoff pollution. Operational employees receive formal training and information through brochures, flyers, posters, employee meetings, bulletin boards, and with training that shows areas of potential stormwater contamination and associated pollutants.

Employees in all relevant City departments/divisions are also trained on how to recognize an illicit discharge and respond appropriately, with may include containment, cleanup, disposal, and reporting as well as proper fueling procedures.

As part of the City's controls for reducing discharge of pollutants it does not permit steam cleaning wash water to enter the storm drain. Existing wash pits for street maintenance and Sanitation are plumbed through a separator to the wastewater sewer system. Vehicle and equipment fueling is provided at a protected designated fueling area. All discharges within Fleet Maintenance go through oil separators. These areas are pumped out and cleaned twice per year or more often as needed.

The City continues to evaluate its Stormwater Management Program annually to ensure all measurable goals are being met and to plan strategies to address any differences identified. The review includes at least the following positions within the City: Public Works Director, City Engineer/ Director of Engineering, and the Stormwater Engineer. A Stormwater Pollution Prevention Team meeting is held annually with representatives from the Street Maintenance Division, Buildings and Grounds Division, Sanitation Division, Fleet Maintenance Division, Transit Division, Recreation and Parks Department Operation and Maintenance, and the Engineering Department. Team members review inspection reports from the Engineering Department and discusses compliance and suggested improvements and adjustments to the plan and municipal operations and training.

This annual evaluation has resulted in improvements to our fueling and fuel deliver procedures, storage and disposal of wastes, storage of liquid materials, storage of equipment and materials, and vehicle maintenance procedures.

MS4 Audit

On January 13, 2020 the Engineering Department received a notice of compliance from NC Department of Environmental Quality (DEQ) after an intense and exhaustive audit conducted over a three day period (December 3-5, 2019). NC Department of Environmental Quality (DEQ) performed a Municipal Separate Storm Sewer System (MS4) permit compliance audit which included a comprehensive detailed evaluation of all components of our Stormwater Program.

This includes:

- Development review
- Inspections
- Illicit discharge enforcement
- Public education and outreach, and
- Municipal facilities/operations.

The audit identified no deficiencies with the components of the permit. Attached is the associated Notice of Compliance (NOC).

At the time of the notice, there were 109 active NPDES MS4 permits in North Carolina. Greenville was only the second MS4 community in the state to receive a NOC. Several departments; Police, Fire-Rescue, Recreation and Parks, Public Works, and Engineering worked diligently to prepare for the audit and continue to work keeping City operations in compliance with the permit.

Per the Notice of Compliance (NOC), the City of Greenville must now develop an updated Stormwater Management Plan (SWMP) to be reviewed and approved by NCDEQ, and apply for a new National Pollutant Discharge Elimination (NPDES) Phase II MS4 permit. The updated SWMP and new permit will be published by NCDEQ for public comment and once all comments are addressed a new 5 year permit is issued.

The anticipated schedule is as follows:

- ✓ December 3-5, 2019 – MS4 Audit -- Completed
- ✓ January 13, 2020 – Notice of Compliance – Completed
- ✓ February 12, 2020 – Acknowledgement of Notice of Compliance – Completed (attached)
- ✓ September 14, 2020 – Draft Stormwater Management Plan (SWMP) due to NCDEQ (delayed due to COVID-19)
- ☐ October-November, 2020 – NCDEQ Review and Revisions of Draft SWMP
- ☐ 30 Days after NCDEQ approval of SWMP – Application for new MS4 permit due to NCDEQ
- ☐ 2-6 Months -- Public Comment Period for SWMP and Permit
- ☐ March, 2021??? -- Permit Approval and Effective Date
- ☐ 5 years from Effective Date -- Permit Expiration

The City of Greenville is currently waiting on NCDEQ review and concurrence of the updated SWMP and will continue to work with other departments to keep City operations in compliance with the permit.

<u>TMDLs</u>

The City currently has no issued TMDLs within its jurisdiction.