

Local Program Report to the SCC

A. City of Greensboro

On May 24, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the City of Greensboro's Local Program. The program is under the division of Engineering and division of Stormwater Engineering. According to your totals, from April 2016 to April 2017, you had conducted 445 total plan reviews, 58 of which have been approved with 326 being disapproved. The city has also conducted 378 inspections during this time frame. In this same time frame 13 notices of violations and zero civil penalties have been issued. During our review of the program, we inspected 3 sites and reviewed 4 plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Irving Park Town Houses

This project consisted of 2.51 acres and was being constructed for residential development. The file for this project included an FRO, calculations, signed pre-construction meeting form and letter of approvals. The erosion and sediment control plan was approved on March 3, 2017. The approved plan for this site was found to be adequate. The site was actively being graded. This project was not inspected before. The major issue on this site was the compaction of the fill material over the outlet pipe. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Remove the fill material over the outlet pipe, re-install the outlet pipe, compact and stabilize the fill material as per specification. 2) Remove all accumulated sediment along silt fence throughout site. 3) Provide stone or wooden pad for the skimmer. 4) Remove all accumulated sediment from the pipe outlet protection. 5) Provide adequate ground cover on swale and all bare and inactive areas as per the NPDES requirements.

2. North Elm Apartments

This project consisted of 10 acres and was being constructed for residential development. The file for this project included an FRO, calculations, signed pre-construction meeting form and letter of approvals. This project was last inspected on May 15, 2017 and was called out of compliance. Since construction began on the site, it has not received any Notices of Violations and has been inspected 3 times. The erosion and sediment control plan was approved on November 6, 2015. The approved plan for this site was found to be adequate. The project was in Phase II, and the site was not actively being graded. During our inspection, the site was

found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Remove the sand stockpile near by the stormwater inlet 2) Provide adequate ground cover on all the slopes of skimmer basin and on all bare and inactive areas 3) Remove accumulated sand and all deleterious materials from the inlet protection and repair it. 4) Stabilize all areas outside the fence at Bio Cell 2. 5) Repair erosion rills in bio-cells. 6) Repair the outlet protection in the Bio Cell 2.

3. Abbotswood At Irving Park

This project consisted of 8.9 acres and was being constructed for residential and adult/senior living. The file for this project included an FRO, calculations, inspection reports, signed pre-construction meeting form and letter of approvals. This project was last inspected on May 15, 2017 and was called out of compliance. Since construction began on the site, it has not received any Notices of Violations and has been inspected two times. The erosion and sediment control plan was approved on July 28, 2016. The approved plan for this site was found to be adequate. During our inspection, the site was found to be out of compliance. Violations included failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Remove all accumulated sediment along silt fence. 2) Provide adequate ground cover on all bare and inactive areas. 3) Repair and maintain damaged silt fence. 4) Stabilize all the slopes of the basin.

4. Isler Street Hotel

This project consisted of 3.3 acres and was being constructed for commercial development. The file for this project included an FRO, calculations, inspection reports, signed pre-construction meeting form and letter of approvals. This project was last inspected on May 15, 2017 and was called out of compliance. The erosion and sediment control plan was approved on October 31, 2016. The approved plan for this site was found to be adequate. Since construction began on the site, it has not received any Notices of Violations and has been inspected multiple times. The site was not visited in the review due the unfavorable weather conditions and time constraints.

Conclusion:

The City of Greensboro should implement the following recommendations to improve the program:

- 1) Continue requiring that adequate ground cover is provided within the time limits of the local ordinance and approved
- 2) Continue to check for self-inspection records on site
- 3) Continue to inspect the site more frequently.

Staff recommends continued delegation of the program.

Local Program Report to the SCC

B. City of Burlington

On May 25, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the City of Burlington's Local Program. Two staff contributes one full time equivalents to the erosion control program. Per your totals, from April 2016 to April 2017, you had conducted 32 total plan reviews, 13 of which have been approved with 19 being disapproved. The city has also conducted 200 inspections during this time frame. In this same time frame 3 notices of violations and zero civil penalties have been issued. The city had three building permit holds to regain compliance. During our review of the program, we inspected 5 sites and reviewed 5 plans that had already been approved. It's very impressive that the city had kept all information electronic and was easily accessible. The city is planning to update their electronic technology within a year, which will allow them to prepare inspection report and update electronic database while at a site. All the inspected sites had 2"- 3" precipitation over the last 48 hours.

The following is a summary of the projects that were inspected:

1. 3S Investments

This project consisted of 3.3 acres and was being constructed for commercial development. The file for this project included a FRO, deed, calculations, inspections, photos during inspections, land disturbance permit and letter of approvals. The erosion and sediment control plan was approved on January 20, 2017. The approved plan for this site was found to be adequate. The site was active during the visit. The site was inspected four different times and was last inspected on May 11, 2017. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. Some areas of the site had very good ground cover and matting, which is very good. A few recommendations were made in the field: 1) Clean and repair the construction entrance. 2) Provide adequate ground cover on all the slopes of skimmer basin, side slope of diversion channels and on all bare and inactive areas.

2. Mackintosh on Lake, Parcel #1

This project consisted of 53 acres and was being constructed for residential development. The file for this project included a FRO, deed, calculations, inspections, photos during inspections, land disturbance permit and letter of approvals. The erosion and sediment control plan was approved on November 17, 2016. The approved plan for this site was found to be adequate. The site was active during the visit. The site was inspected four different times and was last inspected

on April 28, 2017. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Re-install the silt fence outlet on the low area or extend the existing the outlet to cover all the low area 2) Provide adequate ground cover on all the slopes of skimmer basin and on all bare and inactive areas 3) Remove all the stockpiles that are at least 50 feet from the skimmer basins 4) Remove all accumulated sediment along silt fence and repair silt fence where undermining has occurred. 5) Stabilize outlet for all temporary slope drains entering all the skimmer basins 6) Repair the slopes of Sediment Basins where erosion has occurred.

3. Mackintosh on Lake, Parcel #H

This project consisted of 53 acres and was being constructed for residential development. The project is in Phase II. The file for this project included a FRO, deed, calculations, inspections, photos during inspections, land disturbance permit and letter of approvals. The erosion and sediment control plan was approved on July 8, 2016. The approved plan for this site was found to be adequate. The site was active during the visit. The site was inspected eight different times and was last inspected on May 22, 2017. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Remove all accumulated sediment along the inlet protection and repair the inlet protection 2) Provide adequate ground cover on all the slopes of skimmer basin, side slope of diversion channels and on all bare and inactive areas.

4. Alamance Food

This project consisted of 42.53 acres and was being constructed for commercial development. The project is in Phase III. The file for this project included a FRO, deed, calculations, inspections, photos during inspections, land disturbance permit and letter of approvals. The erosion and sediment control plan was approved on May 19, 2016. The approved plan for this site was found to be adequate. The site was active during the visit. The site was inspected eleven different times and was last inspected on May 15, 2017. During our inspection, the site was found to be out of compliance. Violation included failure to follow approved plan and failure to provide adequate ground cover. One recommendation was made in the field: 1) Provide adequate ground cover on all bare and inactive areas.

5. The lamb's Chapel Alamane and Troxler Rd

This site consisted of a 21-acre institutional project. The file for this project included an FRO, deed, calculations, inspections, photos during inspections, land disturbance permit and letter of approvals. The erosion and sediment control plan was approved on May 12, 2015. The approved plan for this site was found to be adequate. The site was active during the visit. The site was inspected twenty-two different times and was last inspected on May 15, 2017. The site was under NOV. The NOV was issued on September 21, 2016. The site was brought into compliance with NOV, but was not documented in the file. During our inspection, the site was found to be in compliance. Most of the areas of the site had good vegetation and slopes were well seeded. One recommendation was made in the field: 1) Continue provide ground cover on all bare and inactive areas.

Conclusion:

The City of Burlington is inspecting the sites on frequent basis which is appreciated. The City should implement the following recommendations to improve the program:

- 1) Continue requiring that adequate ground cover is provided within the time limits of the local ordinance and approved plan.
- 2) Continue to check for self-inspection records on site
- 3) Resolve NOV after it is issued and document it.
- 4) In the field, a focus should be placed on stabilizing sediment basin slopes and their associated diversions to prevent erosion from occurring from within their measures.

Staff recommends continued delegation of the program.

Local Program Report to the SCC

C. Watauga County

On June 21, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the Watauga County's Local Program. One staff contributes one full time equivalents to the erosion control program. According to yours totals the county had conducted total 10 total plan reviews, all of them of have been approved in the last 12 months. The county has 23 current projects. The city requires erosion and sediment control plans for all land-disturbing activities that have disturbed area of more than one half acre. The county can waive the submission of erosion control plan for the disturbed areas more than one half acre but less than one acre if the site does not have potential to cause erosion or off-site sediment damage. However, all subdivision projects need to submit the erosion and sediment control plan independent of their disturbed acres. The county has also conducted 98 inspections during this time frame. Two notices of violations, and a stop work order have been issued during this time frame, but the disturbed acres for all these sites were less than one acre. During our review of the program, we inspected four sites and reviewed four plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Dollar General

This project consisted of 2.13 acres and was being constructed for commercial development. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on March 13, 2017. The approved plan for this site was found to be adequate. The site was active during our inspection. The site was last visited on June 2, 2017. The site was in compliance during our inspection. A recommendation was made in the field. 1)Provide adequate ground cover on all bare and inactive areas as per the NPDES requirements.

2. Josh and Brown

This project consisted of 1.19 acres and was being constructed for commercial development. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on February 9, 2017. The approved plan for this site was found to be adequate. The site was last visited on May 6, 2017. The site was closed at the end of May by Watauga County. Based on our inspection, the site was not ready to be closed. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A pile of sediment was brought for unknown purpose after

the site was closed. Some areas of the sites had adequate ground cover. There were multiple rill erosions on the side wall of the basin. Some recommendations were made in the field. 1) Please make sure the site is fully stabilized before it is closed. 2) Remove the stockpile at least 50 feet away from the skimmer basin and stabilize it 3) Repair the erosion on the side wall of the basin.

3. Foscoe Christian Church

This This project consisted of 2 acres and was being constructed for institutional development. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on July 18, 2016. This project was last inspected on May 19, 2017 and was called in compliance. The approved plan for this site was found to be adequate. The site was active during our inspection. One recommendation was made in the field. 1) Provide adequate ground cover on all bare and inactive areas as per the NPDES requirement.

4. JW Hampton Company

This project consisted of 18.33 acres and was constructed for industrial purpose. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on June 20, 2011. This project was last inspected on March 3, 2017 and was called in compliance. The site needs a revised plan. The existing sediment pond was not capturing the sediment from the site. Some recommendations were made in the field. 1) Repair and maintain silt fence, 2) Repair, maintain and stabilize diversion channels, 3) Submit revised plan to collect sediment inside the site

Conclusion

The Watauga County is inspecting the sites on frequent basis which is appreciated. The county should implement the following recommendations to improve the program.

- 1) Continue requiring that adequate ground cover is provided within the time limits.
- 2) Please provide latest NPDES self-inspection form while approving the plan.
- 3) Make sure the site is fully stabilized before closing it.

Staff recommends continued delegation of the program.

Local Program Report to the SCC

D. Town of Boone

On June 22, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the Town of Boone's Local Program. According to yours totals the town had conducted 13 total plan reviews, six of which have been approved with seven being disapproved in the last 12 months. The city has 11 current projects, six of which are residential under one half acre, two of which are commercial over an acre and three of which are commercial under an acre. The city requires erosion and sediment control plan for all residential development that are more than one half acre and all commercial development that are more than 2,500 sq feet. The city requires the site plan as per zoning requirement for the residential sites that are less than half acres, and the city mentions to install a construction entrance and silt fence where needed when approving the zoning permit. Erosion and Sediment Control is a part of the zoning requirement for the city. The city has also conducted more than 30 inspections during this time frame. The sites are inspected on a frequent basis, at least once a month. No notice of violations, civil penalties and stop work orders have been issued during this time frame. The town has right to hold the building inspections if the site remains out of the compliance for extensive long period of the time. During our review of the program, we inspected four sites and reviewed four plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Skyline Terrace

This project consisted of 8.05 acres and was being constructed for residential development. The file for this project included an FRO, calculations, plan, zoning permit and letter of approvals. The erosion and sediment control plan was approved on December 16, 2016. The approved plan for this site was found to be adequate. The site was actively being graded. During our inspection, the site was found to be out of compliance. The town is in the process of issuing NOV for this site. The letter had been already prepared dated June 22, 2017, and is ready to be delivered. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Repair the erosion on the side slopes of the basin. 2) Provide adequate ground cover on swale, side slopes of the basins and all bare and inactive areas as per the NPDES requirements. 2) Remove the accumulated sediment from the skimmer basin and maintain the skimmer. 3) Repair and maintain the inlet protection.

2. Town Place Suites

This project consisted of 2.63 acres and was being constructed for commercial development. The file for this project included. The file for this project included an FRO, calculations, plan, zoning permit and letter of approvals. The site was not

inspected before. The construction has just begun. The erosion and sediment control plan was approved on June 20, 2017. The approved plan for this site was found to be adequate. The sediment pond was being constructed while the site was visited. Silt fences were well installed.

3. CSL properties

This project consisted of less than one half acre and was being constructed for residential development. The file for this project included an FRO, inspection and zoning permit. This project was last inspected on June 12, 2017 and was called in compliance. Since construction began on the site, it has not received any Notices of Violations and has been inspected two times. Since the site was less than one half acre, there was no erosion and sediment control plan. The city provided the location and details for the installation of construction entrance and silt fence while issuing zoning permit. The construction entrance and silt fence were well installed and maintained during our inspection.

4. Starbucks Boone NC

This project consisted of 29,750 sq ft and was being constructed for commercial development. The file for this project included an FRO, calculations, plan, zoning permit and letter of approvals. The erosion and sediment control plan was approved on January 19, 2017. The approved plan for this site was found to be adequate. The site was last inspected on June 12, 2017. The site was active during the inspection, and was in compliance.

Conclusion:

Conclusion:

The Town of Boone is inspecting the sites on frequent basis which is appreciated. The town should implement the following recommendations to improve the program:

- 1) Continue requiring that adequate ground cover be provided within the time limits
- 2) Please provide latest NPDES self-inspection form while approving the plan.

Staff recommends continued delegation of the program

Local Program Report to the SCC

E. Town of Chapel Hill

On July 11, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the Town of Chapel Hill's Sediment and Erosion Control Program. The town's program has been administered by Orange County. According to the totals, the county had conducted total 12 total plan reviews for the City of Chapel Hill, all of them of have been approved in the last 12 months. The town has 10 current projects which are more than 1 acre. The town requires erosion and sediment control plan for all land-disturbing activities that have disturbed area more 20,000 square foot. The county has conducted 188 inspections for the above 10 projects during this time frame. The average inspection frequency's is 18.8 per site per year. Most of the sites are in compliance during inspection. The inspection reports call the site to be complaint, non-complaint or needs maintenance. One notice of violations was issued during this time frame. During our review of the program, we inspected five sites and reviewed five plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Grace Church

This project consisted of 4.83 acres and was being constructed for institutional development. The file for this project included an FRO, calculations, plan, inspections, land disturbance permit and letter of approval. The erosion and sediment control plan was approved on March 1, 2016. The approved plan for this site was found to be adequate. The site was last visited on July 6, 2017. The site was in compliance during our inspection. The site was in the final stage and most of the areas were fully stabilized.

2. Courtyards at Homestead

This project consisted of 17.08 acres and was being constructed for residential development. The file for this project included an FRO, calculations, plan, inspections, land disturbance permit and letter of approval. The erosion and sediment control plan was approved on March 23, 2015. Check dams and concrete washout were not shown on the plan. The dewatering time for the skimmer was not mentioned on the plan. The site was last visited on May 6, 2017. The site needed maintenance per the last inspection report. The site was active during our inspection. During our inspection, the site was found to be out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Regrade the stockpile and stabilize it. 2) Provide adequate ground cover on all the slopes of skimmer basin and on all bare and inactive areas 3) Reinstall the slope drain and maintain outlet protection.

3. 123 W Franklin St

This project consisted of 8.75 acres and was being constructed for mixed (residential and commercial) development. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on April 4, 2016. The concrete washout area was not shown on the plan. This project was last inspected on April 5, 2017. NOV was issued for this project on November 24, 2015. The site was brought into compliance per NOV and was documented by the county. The site was active during our inspection and the site was in compliance.

4. Reith Single Family Residential and Garden Garage

This project consisted of 2.07 acres and was constructed for residential purpose. The file for this project included an FRO, calculations, plan, inspections, grading application, deed and letter of approvals. The erosion and sediment control plan was approved on May 24, 2015. Time stabilization frame and concrete washout area were not shown on the plan. The ditch calculation was not shown on the plan. The site was not active during our inspection and the site was in compliance. The site was grubbed almost a year ago, and the site currently has enough vegetation. As per the county, the site will now require a new permit. A recommendation was made in the field: 1) Make sure the slope and the bare areas are stabilized when grading is completed.

Conclusion:

The Orange County is inspecting the sites from Chapel Hill on frequent basis which is appreciated. The county makes field notes and tracks all the activities from plan approval to the closing of the site. The county should implement the following recommendations to improve the Town of Chapel Hill's local program:

- 1) Continue requiring that adequate ground cover is provided within the time limits.
- 2) Continue requiring that adequate ground cover on the side slopes of the skimmer basins.
- 3) Require concrete washout area on the plan.

Staff recommends continued delegation of the program.

Local Program Report to the SCC

F. Durham county

On July 20, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the Durham County's Sediment and Erosion Control Program. Five positions contribute 3.5 full time equivalents to the sediment and erosion control program. According to the totals, the county had conducted a total 118 plan reviews, 115 of them were approved and two of them were disapproved in the last 12 months. The county has 142 current projects. The county requires erosion and sediment control plan for all land-disturbing activities that have disturbed area more than 20,000 square foot. The county also requires a land disturbing permit on any privately funded, nonagricultural project with disturbed area greater than 12,000 square feet. The county has conducted 1,346 inspections during this time frame and twenty-two notices of violations were issued during this time frame. The county is in the process of updating their ordinance. During our review of the program, we inspected four sites and reviewed four plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Duke Softball Field

This project consisted of 7.61 acres and was being constructed for institutional development. The file for this project included FRO, plan, deeds, inspections, land disturbing permit, zoning compliance form and letter of approval. The erosion and sediment control plan was approved on May 5, 2016. The approved plan for this site was found to be adequate. This site was inspected fourteen different times. The site was last inspected on July 12, 2017, and was in compliance. The site was in compliance during our inspection. A recommendation was made in the field: 1) Provide adequate ground cover on all the inactive areas.

2. Lot 3 Alexander Industrial Park

This project consisted of 3.81 acres and was being constructed for commercial development. The file for this project included an FRO, plan, deeds, inspections, land disturbing permit, zoning compliance form and letter of approval. The erosion and sediment control plan was approved on March 3, 2016. The approved plan for this site was found to be adequate. This site was inspected five different times. The site was last inspected on May 31, 2017, and was in compliance. The site was also in compliance during our inspection. The site was well stabilized.

3. Fendol Farms

This project consisted of 150 acres and was being constructed for residential development. The file for this project included FRO, plan, deeds, inspections, land disturbing permit, zoning compliance form, Notice of Violations and letter of approval. The revised erosion and sediment control plan was approved on June 20, 2017. This project was inspected 27 different times and last inspected on July 13, 2017 and was not in compliance. Four Notices of Violations and two different Civil penalties were issued for this site. Most of the bare areas were covered with straw, and the basins were installed. The site was not in compliance during our inspection. Offsite sedimentation was observed in the buffer zone and unnamed tributary to Lick Creek. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to maintain buffer and failure to maintain measures. The county will issue a NOV for this site. The county will correspond with the responsible party to resolve NOV, and bring the site into compliance. A few recommendations were made in the field: 1) Remove accumulated sediment from the ditch and other bare areas before providing ground cover. 2) Extend the emergency spillway to the bottom of the basin's slope. 3) Extend the skimmer pipe to the bottom of the skimmer basin. 4) Clean and maintain sediment basins. 5) Prepare seed bed per the approved plan before seeding. 6) Install check dam per approved plan. 7) Remove rocks and other debris from the natural drainage. 8) Install liner on the diversion channel per approved plan. 9) Provide adequate ground cover on all the slopes and inactive areas. 10) Remove accumulated sediment along the silt fence.

4. US 70 Self Storage

This project consisted of 6.9 acres and was constructed for commercial purpose. The file for this project included FRO, calculations, plan, inspections, NOVs and letter of approvals. The erosion and sediment control plan was approved on February 17, 2016. The calculation for the ditches and diversion channels were not shown in the plan. The concrete washout area was also not shown in the plan. Some existing features of the site including stormwater culvert near Highway 70 and some natural drainages were not shown on the plan. This project was inspected seventeen different times and last inspected on July 6, 2017 and was in compliance. A NOV was issued for this site on February 21, 2017. The site was brought into compliance per NOV. The site was active during our inspection, and was not in compliance. Offsite sedimentation was noticed outside the perimeter of the silt fence. Violations included failure to follow approved plan, failure to provide adequate ground cover, and failure to maintain measures. The county will issue a NOV for this site, and will correspond with the responsible party to resolve NOV. A few recommendations were made in the field: 1) Stabilize all diversion channels to the basin. 2) Remove all offsite sedimentation. 3) Provide appropriate inlet protection at a large stormwater pipe near Highway 70. 4) Repair and maintain construction entrance. 5) Remove all accumulated sediment along the silt fence. 7) Provide adequate ground cover on all the slopes and inactive areas. 8) Repair and maintain baffles.

Conclusion:

The Durham County Program is inspecting the sites on a frequent basis which is appreciated. The county has made significant changes since the last review including plan reviews and approval, pre-construction meetings, inspections, issuing NOV and resolving and all the new files were well organized. All the erosion and sediment control plans that were reviewed and approved in the last year have adequate documents. The county has hired qualified personnel to improve their program. The county should implement the following recommendation to improve the Durham County's Sediment and Erosion Control program:

- Continue requiring that adequate ground cover be provided within the time limits.

Staff recommends continued delegation of the program and removal of "Probation" status.

Local Program Report to the SCC

G. City of Greenville

On August 3, 2017 personnel from NCDENR, Land Quality Section, conducted a review of the City of Greenville Sediment and Erosion Control Program. Three positions contribute 1.5 full time equivalents to the sediment and erosion control program. According to the totals, the City had conducted a total 27 total plan reviews, 23 of them have been approved and two of them disapproved in the last 12 months. The City has 41 current projects. The City requires erosion and sediment control plans for all land-disturbing activities that have disturbed area more one acre. The City also requires installation of sediment and erosion control devices whenever the land disturbing activity is undertaken on a track more than 5,000 square feet. The City has conducted 371 inspections for the above 41 projects during this time frame. Twelve notices of violations and one stop work order were issued during this time frame. During our review of the program, we inspected four sites and reviewed four plans that had already been approved.

The following is a summary of the projects that were inspected:

1. Savannah Place Section 2, Phase I

This project consisted of 5.86 acres and was being constructed for residential development. The file for this project included an FRO, plan, inspections and letter of approval. The erosion and sediment control plan was approved on April 6, 2017. The approved plan for this site was found to be adequate. The site was visited just once on May 28, 2017, and was out of compliance. The site was also out of compliance during our inspection. Violations included failure to follow approved plan, failure to provide adequate ground cover and failure to maintain measures. A few recommendations were made in the field: 1) Repair and maintain the construction entrance. 2) Provide the designated concrete washout area as shown in the plan 3) Repair and maintain the silt fence.

2. Ignite Church

This project consisted of 11 acres and was being constructed for institutional development. The file for this project included an FRO, calculations, plan, inspections, and letter of approval. The erosion and sediment control plan was approved on June 12, 2017. The site was visited just once on July 26, 2017, and was in compliance. The site was active during our inspection. The construction has just started. Silt fences were installed properly. The skimmer basin was being constructed. During our inspection, the site was in compliance. One recommendation was made in the field: 1) Stabilize all the side slopes of the basin and other bare areas upon completion.

3. College View Apartments

This project consisted of 9 acres and was being constructed for residential development. The file for this project included an FRO, calculations, plan, inspections, and letter of approvals. The erosion and sediment control plan was approved on February 13, 2017. This project was inspected five different times and last inspected on July 31, 2017 and was in compliance. NOV and Stop Work Order were issued for this project on June 9, 2017 as there were off sight sedimentation to nearby wetlands. The site was brought into compliance per NOV and Stop Work Order, and was documented by the City. A retaining wall was constructed as per approved plan to prevent offsite sedimentation. The site was active during our inspection and the site was in compliance. One recommendation was made in the field: 1) Provide adequate ground cover on all the slopes and inactive areas upon completion.

4. Blackwood Ridge Subdivision, Phase I

This project consisted of 17 acres and was constructed for residential purpose. The file for this project included an FRO, calculations, plan, inspections, NOVs and letter of approvals. The erosion and sediment control plan was approved on March 14, 2016. This project was inspected six different times and last inspected on July 13, 2017 and was not in compliance. Two different NOVs issued for this site, one to financially responsible party on March 6, 2017 and the other the builder on July 24, 2017. The site was brought into compliance per NOV issued on March 6, 2017 and the NOV issued to builder has not been resolved yet. The City is corresponding with the builder to bring the site into compliance. The site was active during our inspection, and was not in compliance. Violations included failure to take all reasonable measures, and failure to maintain measures. A few recommendations were made in the field: 1) Provide adequate ground cover on all bare and inactive areas 2) Install silt fence and construction entrance on individual plots as maintained in the City code.

Conclusion:

The City of Greenville is inspecting the sites on a frequent basis which is appreciated. As per DEMLR's Washington Regional office, the City of Greenville has made significant changes since the last review including plan reviews and approval, pre-construction meetings, workshops and all the new files were well organized. The City organized Erosion and Sedimentation Workshop on March 23, 2017 for the contractors and consulting engineers which is much appreciated. The City is launching a database called Energov that will allow them to access site inspections for sites on a various basis. This would also allow them to prepare inspection reports and update electronic database while at a site. Moreover, the inspection will automatically be flagged on a two-week rotational cycle.

The City should implement the following recommendations to improve the Sediment and Erosion Control program:

- 1) Continue requiring that adequate ground cover is provided within the time limits.
- 2) Provide NPDES construction stormwater permit once all requirements have been met.
- 3) Provide latest NPDES self-inspection form upon approving the erosion and sediment control plan.

Staff recommends continued delegation of the program and removal of “Probation” status.