



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

March 31, 2014

Town of Holly Springs
Attention: Heather V. Keefer, CFM
PO Box 8
Holly Springs, NC 27540

Subject: Sedimentation and Erosion Control Local Program Review

Dear Ms. Keefer:

On March 24, 2013, Joe Dupree, Karyn Pageau, and Matt Poling conducted a review of Town of Holly Spring's Local Program. Eleven positions contribute 2.2 full time equivalents. The Town currently has 65 projects and has reviewed 220 plans, with 75 approvals and 149 disapprovals. The Town has conducted 1,067 inspections, issued 4 notices of violations, 2 civil penalties, and 2 stop work orders in the past 12 months. Six projects were evaluated for the review.

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

1. Parks at Bass Lake

This site is a 48.7 acre residential project. The file for this project included an FRO, inspections, correspondence, checklist, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection conducted listed the site out of compliance. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, and failure to maintain measures.

Corrective Actions:

- 1) Provide revised erosion control basin for low area between skimmer basin 1 and 2.
- 2) Provide additional silt fence below sediment basin #2.
- 3) Maintain construction entrance.
- 4) Install check dams per plan.

Comment: Provide adequate ground cover on all bare and inactive areas.

2. Wood Creek

This site is a 12.2 acre residential project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to provide adequate ground cover, failure to take all measures, and graded slopes and fills to steep.

Corrective Actions:

- 1) Stabilize all areas per the previous inspection report.
- 2) Maintain/Provide RECP upstream of inlet protection.
- 3) Seed and mulch all temporary diversions installed.
- 4) Provide groundcover on all bare and inactive areas and slopes.

3. Holly Woods at Sunset Lake

This site is a 4.5 acre residential project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site out of compliance. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, and failure to maintain measures.

Corrective Actions:

- 1) Install energy dissipaters for flared end sections 2 and 3.
- 2) Additional clean stone at the construction entrance is needed.
- 3) Install rock ring or excavated drop inlet protection per the approved plan.

Comment: Stabilize bare and inactive areas, including stockpiles.

4. Zaxby's

This site is a 1.29 acre commercial project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comment: The majority of the site has good vegetation. Project can be closed out.

5. Twelve Oaks

This site is 4.4 acre residential project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice

of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was out of compliance. Violations included failure to follow approved plan, failure to take all reasonable measures, and failure to maintain measures.

Corrective Actions:

- 1) Maintain construction entrance and silt fence.
- 2) Add silt fence outlets where skimmer locations are.
- 3) Provide additional mulch per the approved plans.

Comment: Provide groundcover on all bare and inactive areas and slopes.

6. Olive Garden

This site is 2.67 acre commercial project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The last inspection report listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comment: The majority of the site has good vegetation. Project can be closed out.

Conclusion:

The Town of Holly Springs' Local Program is visiting sites on a frequent basis, which is appreciated. The local program should also implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Provide the new combined self-inspection form when approving erosion control plans.
- 3) Document when slopes have been graded or areas are left idle in the comments section of inspection reports in order to establish a time frame for establishing ground cover.

A summary of the review will be presented to the Sedimentation Control Commission (SCC) on May 15, 2014. Staff will recommend continued delegation. Thank you again for the efforts of you and your staff to protect the State's waters from sedimentation.

Sincerely,

Matthew B. Poling, PE
Assistant State Sedimentation Specialist

cc: John Holley, PE, Raleigh Regional Engineer



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Chatham County
Rachael Thorn, Erosion & Sed. Control Officer
P.O. Box 548
Pittsboro, NC 27312-0130

Subject: Sedimentation and Erosion Control Local Program Review

Dear Ms. Thorn:

On March 27, 2013, Joe Dupree, Ashley Rodgers, and Matt Poling conducted a review of Chatham County's Local Program. Two positions contribute 1.5 full time equivalents. The County currently has 91 projects and has reviewed 74 plans, with 54 approvals and 20 disapprovals. The County has conducted 293 inspections and issued 29 notices of violations in the past 12 months. Five projects were evaluated for the review.

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

1. Moncure Farm Solar Electric Power Plant

This site is a 26.0 acre commercial project. The file for this project included an FRO, inspections, correspondence, checklist, calculations, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection conducted listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comment: Provide adequate ground cover on all bare and inactive areas.

2. Carolina Meadows O&M Facility

This site is a 1 acre commercial project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comment: Provide adequate ground cover on all bare and inactive areas.

3. Briar Chapel (Great Ridge Parkway Extension)

This site is a 1 acre commercial project. The file for this project included an FRO, inspections, calculations, correspondence, approval, and disapproval letters. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comments:

- 1) Provide adequate ground cover on all bare and inactive areas.
- 2) Please remove the rock off of the skimmer to allow for floatation and surface dewatering.

4. Briar Chapel Phase 9 Section 2

This site is a 20.6 acre residential project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site previously received a Notice of Violations on 3/14/2014. The last inspection listed the site out of compliance. The site was active at the time of the inspection and was in compliance.

Comment: Continue to provide adequate ground cover on all bare and inactive areas.

5. Westfall Subdivision Amenity Area

This site is 2 acre residential project. The file for this project included an FRO, inspections, calculations, correspondence, and an approval letter. The erosion and sediment control plan was approved and was adequate. The site has not previously received a Notice of Violations. The last inspection listed the site in compliance. The site was active at the time of the inspection and was in compliance.

Comments:

- 1) Stabilize skimmer basin slopes.
- 2) Additional temporary diversions with slope drains are needed at the top of the skimmer basin.
- 3) Continue to provide adequate ground cover on all bare and inactive areas.

Conclusion:

Chatham County's Local Program is visiting sites on a frequent basis, which is appreciated. The local program should also implement the following recommendations to improve the program:

- 1) Continue to check for self-inspection records on site.
- 2) Provide the new combined self-inspection form when approving erosion control plans.
- 3) Document when slopes have been graded or areas are left idle in the comments section of inspection reports in order to establish a time frame for establishing ground cover.

A summary of the review will be presented to the Sedimentation Control Commission (SCC) on May 15, 2014. Staff will recommend continued delegation. Thank you again for the efforts of you and your staff to protect the State's waters from sedimentation.

Sincerely,

Matthew B. Poling, PE
Assistant State Sedimentation Specialist

cc: John Holley, PE, Raleigh Regional Engineer