



**CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT**  
**DIVISION OF ENVIRONMENTAL HEALTH**  
80 EAST STREET, P.O. BOX 130 • PITTSBORO, NC 27312-0130  
Phone 919-542-8208 • Fax 919-542-8288

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Jim Willis

**FACSIMILE TRANSMITTAL**

TO: John Harris  
FAX # 789-0784  
FROM: Jim Willis  
DATE: 8/31/07 NO. OF PAGES 11  
INCLUDING COVER LETTER

Urgent \_\_\_\_\_ Please Reply \_\_\_\_\_

For Review  \_\_\_\_\_ Please Recycle \_\_\_\_\_

Additional Comments: Disapproval letters

- 1) Permington South 2007-032
- 2) Horizon Ph 1
- 3) Horizon Ph 2

**CONFIDENTIAL**

Holly Coleman R.S.  
Public Health Director  
80 East Street, PO Box 130, Pittsboro, NC 27312 Phone: 919-542-8208 Fax: 919-542-8288



**CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT**  
**Division of Environmental Health**  
**Soil Erosion and Sedimentation Control**

**LETTER OF DISAPPROVAL**  
**8-30-2007**

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Contentnea Creek Development Company  
8502-202 Six Forks Rd.  
Raleigh, NC 27615  
Attn: Robert O. Hill, Jr.

Re: Project Name: Pennington South  
Project Number: 2007-032  
Submitted by: Contentnea Creek Development Company  
Date Received: 8-3-2007  
Plan Type: Disapproved

Dear Sir or Madam,

The erosion and sedimentation control plan submitted for the subject property has been reviewed and is disapproved for the reasons listed on the attached sheet.

You may submit a revised erosion and sedimentation control plan for approval addressing those items outline on the enclosed form. Under the authority of Section 6(f) of the Chatham County Sedimentation and Erosion Control Ordinance, this office has 15 days from the date of receipt to approve or disapprove your revised plan. However, if you wish to contest the disapproval of this plan, you must request an administrative hearing within 60 days of your receipt of this Letter of Disapproval. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Chatham County Board of Health, P.O. Box 130, 80 East Street, Pittsboro, NC 27312-0130. A copy of the petition must be served on this Department as follows:

Chatham County Erosion Control  
Chatham County Public Health Department  
P.O. Box 130  
80 East Street  
Pittsboro, North Carolina 27312-0130

*\* Approved by default  
per Chatham Co Ordinance  
on 8-18-7 as exceeding  
the req'd 15 days*

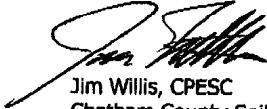
Holly Coleman, M.S.R.S.  
Public Health Director

80 East Street, PO Box 130, Pittsboro, NC 27312 Phone: 919-542-8208 Fax: 919-542-8288

Pending approval of a revised plan or a decision on an appeal, commencement of any land-disturbing activity associated with this project shall constitute a violation of the Chatham County Sedimentation and Erosion Control Ordinance.

Please feel free to contact this office at your convenience if you have any questions or if we can provide any assistance in resolving the matter.

Sincerely,



Jim Willis, CPESC  
Chatham County Soil Erosion Control Officer

Attached: Reasons for Disapproval

Cc:

**REASONS FOR DISAPPROVAL**

Project Name: Pennington South

1. As previously requested, specify the design storm and provide calculations for the flow rates for all culvert calculations.
2. As previously requested, all design support calculations for ditches must use a bare soil condition.
3. As previously requested, provide design support calculations for all permanent storm water discharge points.
4. As previously requested, sediment basins design support calculations must use a bare soil condition for water quantity inflow. A "c" value of 0.45 is recommended.
5. As previously requested, the number of sediment basins on the plan does not match the previous calculations submitted. Please clarify.
6. As previously requested, basins constructed and discharging in line must use cumulative inflow rates as in the case of SB-1 and SB-5. Adjust these calculations as necessary.
7. As previously requested, submit separate drainage area maps for pipes, ditches and sediment basins. Drainage areas must reflect the areas used for design calculations. Submit stage 1 and stage 2 maps if necessary.
8. As previously requested, provide a detail for both staple patterns proposed in the calculations.
9. As previously requested, specify the intervals of the proposed check dams as specified in the design manual.
10. As previously requested, provide a mechanism for all sediment basins to dewater from the water surface.
11. As previously requested, provide diversions to direct runoff into sediment basins on both stages of construction.
12. As previously requested, incorporate sediment basins at all four corners of both stream crossings in stage 1 and 2. The steep slopes in these locations may require more frequent, in line basins.
13. As previously requested, include a note on the plan dictating that daily ground cover is to be provided on the fill slopes adjacent to the stream crossings in stage 2.
14. As previously requested, re-align all stage 2 sediment basins to be outside of the permanent ditch locations in order to maintain design capacity and allow for ditch stabilization.
15. As previously requested, connect the permanent ditches in stage 2 with temporary diversion ditches as in the location of ditch C to A and ditch M to P. If this situation exists in other location, provide the same.
16. As previously requested, move the sediment basins closer to pipe #2 to be in the low areas and not on a ridge. The identification, size and location of the basins do not match from phase 1 to 2. Please clarify.
17. There is still multiple sediment basins labeled with the same identification within the same phase on the plan. Please clarify and re-design as necessary.
18. As previously requested, revise the construction sequence to address the specific conditions of this site.
19. Revise item 7 of the construction sequence to read that when grading begins in an area that stage 2 devices will be installed.

20. As previously requested, provide detail of specific device installation, removal and restoration in the sequence.
21. As previously requested, specify the timing of the utility work in the sequence.
22. As previously requested, identify the timing of the proposed stream crossing work in the construction sequence.
23. As previously requested, provide a specific construction sequence and a detail for the utility crossing at both stream crossings.
24. As previously requested, provide a specific construction sequence and a detail for both proposed stream crossings.
25. As previously requested, provide a list of all registered agents for Contentnea Creek Development Company to accompany the Financial Responsibility Form.
26. As previously requested, provide a copy of the US ACOE 404 permit and the NC DENR DWQ 410 certification for both proposed stream crossings.
27. Revise the detail for the temporary stream crossing. The stone ford type of crossing that allows vehicle traffic through the channel is prohibited.



**CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT**  
**Division of Environmental Health**  
**Soil Erosion and Sedimentation Control**

**LETTER OF DISAPPROVAL**  
 7-6-2007

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Contentnea Creek Development Company  
 8502-202 Six Forks Rd.  
 Raleigh, NC 27615  
 Attn: Robert O. Hill, Jr.

Re: Project Name: Pennington South  
 Project Number: 2007-032  
 Submitted by: Contentnea Creek Development Company  
 Date Received: 6-8-2007  
 Plan Type: Disapproved

Dear Sir or Madam,

The erosion and sedimentation control plan submitted for the subject property has been reviewed and is disapproved for the reasons listed on the attached sheet.

You may submit a revised erosion and sedimentation control plan for approval addressing those items outline on the enclosed form. Under the authority of Section 6(f) of the Chatham County Sedimentation and Erosion Control Ordinance, this office has 15 days from the date of receipt to approve or disapprove your revised plan.

However, if you wish to contest the disapproval of this plan, you must request an administrative hearing within 60 days of your receipt of this Letter of Disapproval. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Chatham County Board of Health, P.O. Box 130, 80 East Street, Pittsboro, NC 27312-0130. A copy of the petition must be served on this Department as follows:

Chatham County Erosion Control  
 Chatham County Public Health Department  
 P.O. Box 130  
 80 East Street  
 Pittsboro, North Carolina 27312-0130

*Plan was resubmitted  
 on 8-3-7; County is  
 required to respond by 8-18-7  
 per Ordinance as stated  
 above*


Holly Coleman, M.S.R.S.  
 Public Health Director

80 East Street, PO Box 130, Pittsboro, NC 27312 Phone: 919-542-8208 Fax: 919-542-8288

Pending approval of a revised plan or a decision on an appeal, commencement of any land-disturbing activity associated with this project shall constitute a violation of the Chatham County Sedimentation and Erosion Control Ordinance.

Please feel free to contact this office at your convenience if you have any questions or if we can provide any assistance in resolving the matter.

Sincerely,



Jim Willis, CPESC  
Chatham County Soil Erosion Control Officer

Attached: Reasons for Disapproval

Cc:

**REASONS FOR DISAPPROVAL**

Project Name: Pennington South

1. Provide a stage 1 erosion control plan at the same scale as the stage 2/plan & profile sheets.
2. Substantial sedimentation control is required below the stockpile placed on a slope. Silt fence may not be adequate for this location.
3. Specify the design storm and provide calculations for the flow rates for all culvert calculations.
4. All design support calculations for ditches must use a bare soil condition.
5. Provide design support calculations for all permanent storm water discharge points.
6. Sediment basins design support calculations must use a bare soil condition for water quantity inflow. A "c" value of 0.45 is recommended. *(+) 0.3 is bare soil*
7. There are calculations for 19 sediment basins and only 18 basins on the plan. Please clarify.
8. Basins constructed and discharging in line must use cumulative inflow rates as in the case of SB-1 and SB-5. Adjust these calculations as necessary.
9. Submit separate drainage area maps for pipes, ditches and sediment basins. Drainage areas must reflect the areas used for design calculations. Submit stage 1 and stage 2 maps if necessary.
10. Provide a detail for both staple patterns proposed in the calculations.
11. Incorporate a detail for baffles in accordance with the design manual.
12. Include check dams in all proposed permanent and temporary ditches/diversions at the intervals specified in the design manual.
13. Provide a mechanism for all sediment basins to dewater from the water surface.
14. Provide diversions to direct runoff into sediment basins on both stages of construction.
15. Place stage one sediment basins out of the road location so they may be reused in stage 2.
16. Incorporate sediment basins at all four corners of both stream crossings in stage 1 and 2. The steep slopes in these locations may require more frequent, in line basins.
17. Clarify if pipe #3 is to be aligned with the stream channel and adjust on the plan.
18. Include a note on the plan dictating that daily ground cover is to be provided on the fill slopes adjacent to the stream crossings in stage 2.
19. Re-align all stage 2 sediment basins to be outside of the permanent ditch locations in order to maintain design capacity and allow for ditch stabilization.
20. Connect the permanent ditches in stage 2 with temporary diversion ditches as in the location of ditch C to A and ditch M to P. If this situation exists in other location, provide the same.
21. Move sediment basins 2 and 3 closer to pipe #2 to be in the low areas and not on a ridge.
22. There are two sediment basins labeled SB-1 and SB-2 on the plan. Please clarify and re-design as necessary.
23. Provide erosion and sedimentation control for the water line construction on Big Woods Road and US HWY 64.
24. Revise the construction sequence to address the specific conditions of this site.
25. Address the staging of construction in the sequence.
26. Provide detail of specific device installation, removal and restoration in the sequence.
27. Specify the timing of the utility work in the sequence.
28. Identify the timing of the proposed stream crossing work in the construction sequence.
29. Provide a specific construction sequence and a detail for the utility crossing at both stream crossings.

30. Provide a specific construction sequence and a detail for both proposed stream crossings.
31. Provide a list of all registered agents for Contentnea Creek Development Company to accompany the Financial Responsibility Form.
32. Provide a copy of the US ACOE 404 permit and the NC DENR DWQ 410 certification for both proposed stream crossings.