

**State of North Carolina  
Department of Environment  
and Natural Resources  
Raleigh Regional Office**

**Michael F. Easley, Governor  
William G. (Bill) Ross, Secretary**



**DIVISION OF LAND RESOURCES**

**LETTER OF APPROVAL**

**May 9, 2005**

Pittman-Korbin, Inc.  
7916 Bud Morris Rd.  
Wake Forest, NC 27587  
ATTN: Scott Pittman

**RE: Project Name: The Cottages at Stonegate Ph 2  
County: Chatham  
Submitted by: Crowley and Associates, Inc.  
Date Received: 4/15/05; 4/29/05  
Date Processing Initiated: 4/15/05  
Watershed: Cape Fear #1/03-06-05  
New Submittal (X) Revised ( )**

Dear Mr. Pittman:

This office has reviewed the subject Erosion and Sedimentation Control Plan. We find the plan to be acceptable and hereby issue this letter of approval. If any modifications, performance reservations, or recommendations are applicable, a list is enclosed and is incorporated as a part of this letter of approval. The enclosed Certificate of Approval should be posted at the job site. In addition, it should be noted that this plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, in accordance with Title 15A, North Carolina Administrative Code (NCAC) 4B.0029.

If any modifications are not incorporated into the plan and implemented in the field, the site will be in violation of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statute (NCGS), 113A-61.1).

15A NCAC 4B.0018(a) requires that a copy of the approved plan be on file at the job site. Also, this letter gives the notice required by NCGS 113A-61.1(a) concerning our right to perform periodic inspections to ensure compliance with the approved plan.

North Carolina's sedimentation pollution control program is performance oriented, requiring protection of the natural resources and adjoining properties. If at any time during this project it is determined that the Erosion and Sedimentation Control Plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (NCGS 113A-51 through 66), this office may require revisions in the plan and its implementation to ensure compliance with the Act.

Scott Pittman

May 9, 2005

Page 2

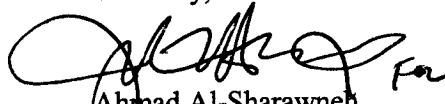
Acceptance and approval of this plan is conditioned upon your compliance with applicable federal and state water quality laws, regulations and rules. This could include the Division of Water Quality under stormwater or other specific water quality standards, and the U.S. Army Corps of Engineers under Article 404 jurisdiction. Our approval does not supersede any other required permit or approval.

Since this project disturbs one or more acres, one such approval relates to the stormwater that will discharge from your project. This runoff is permitted pursuant to the National Pollutant Discharge Elimination System (NPDES) administered in North Carolina by the Division of Water Quality (DWQ). Attached is the General Stormwater NPDES Permit, NCG010000, as revised October 1, 2001, covering your activity. You are responsible for complying with the General Permit requirements and are subject to enforcement by DWQ for any violations of the General Permit.

Please note that this approval is based in part on the accuracy of the information provided concerning financial responsibility. You are requested to file an amended Financial Responsibility Form if any changes become necessary. In addition, it would be helpful if you would notify this office when the proposed land-disturbing activity covered by this plan is initiated.

Your cooperation is appreciated and we look forward to working with you on this project. If there are any questions, please do not hesitate to contact this office.

Sincerely,

  
Ahmad Al-Sharawneh  
Asst. Regional Engineer  
Land Quality Section  
Raleigh Regional Office

AA:clm

cc: Crowley & Associates, Inc.  
Mr. Ken Schuster, P.E., Division of Water Quality

### PLAN REVIEW COMMENTS

PROJECT NAME: The Cottages at Stonegate Ph 2	DATE RECEIVED: 4/15/05; 4/29/05
LOCATION: Chatham County	REVIEWED BY: JI/AA
New Submittal (X)   Revised ()	Approved (X)   Disapproved ()
Reasons for Disapproval ()   Modifications (X)   Performance Reservations ()	

- 1)    Install rock check dams at outlet ditch #14 & #15.
- 2)    Class B rip rap in the above ditches must be at least 22" thick. Use the enclosed detail.

---

RECOMMENDATIONS AND/OR COMMENTS:

Blend the finished stone surface with surrounding land surface (Figure 6.31c). No overfall or channel constriction should exist. Grass-lined channels with riprap bottoms must have smooth contact between riprap and vegetation.

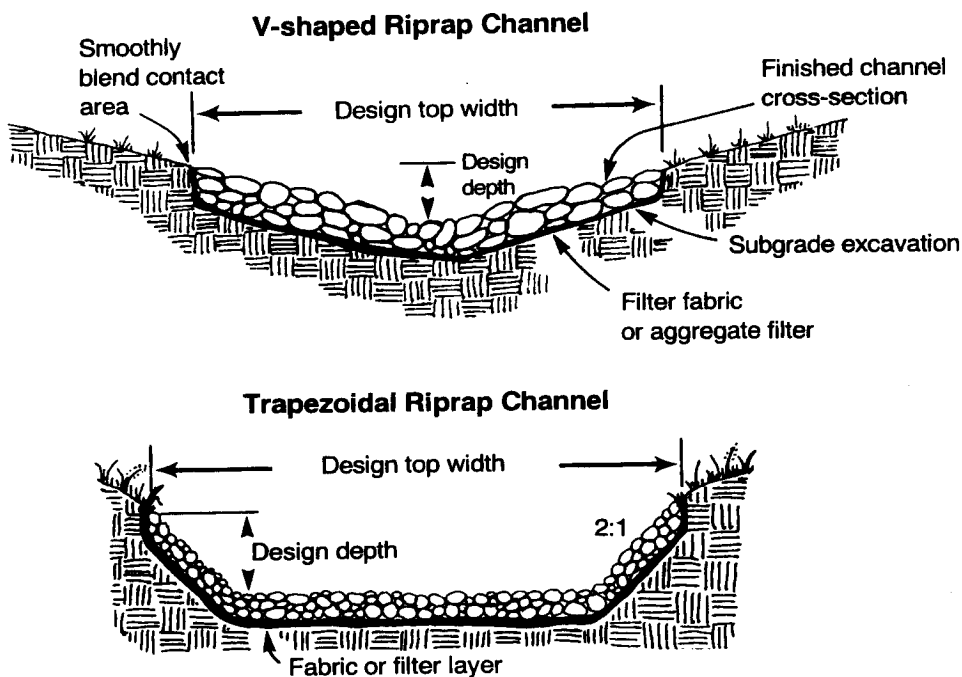


Figure 6.31c Finished riprap surface should blend with surrounding land surface.

Stabilize channel inlet points and install needed outlet protection during channel installation.

Keep erosion and water pollution to a minimum during channel construction. Stabilize all disturbed areas immediately.

#### Common Trouble Points

- Foundation not excavated deep enough or wide enough—riprap restricts channel flow, resulting in overflow and erosion.
- Side slopes too steep—causes instability, stone movement, and bank failure.