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1, October 2008

Ms. Lynn Richardson
Land Use Administrator
Chatham County Planning Department
P.O. Box 54
Pittsboro, N.C. 27312

RE: Cedar Mountain, Construction

Dear Ms. Richardson;

At the request of the subdivision developer we have assessed the roadway construction at the above reference subdivision. At this point we have verified that Cedar Grove Road from station 0+00 (Cedar Mountain portion) to 44+07; and station 72+50 to 86+00; has been constructed in compliance with NCDOT standards.

The noted portions (stations) represent +/- 1500 lf of the entire 4300 lf of the Cedar Mountain project. The completed portion is representative of approximately 35% of the entire roadway designed for this project. The construction has been significantly slowed because of the excessive amount of sub-terrain rock that needs to be removed from the road bed area in order to meet the NCDOT roadway construction standards for grade and drainage as is required for this project.

I have included with this letter, as evidence, pictures of some of the removed rock that was still on site during my visit in mid September. The rock has been particularly troublesome because of the type of formation; which was large boulders, as opposed to bed or shelf rock that could be blasted and thus allow only what was needed to be removed. In this case each boulder/stone needed to be individually dug out and removed and suitable backfill replacement material then needed to be placed in the void and compacted before the actual road construction could begin.

The remaining two-thirds of the roadway are showing evidence of the same burdensome rock conditions, and it is apparent that the entire site will be equally as difficult to construct. The additional cost to dig and remove this type of rock structure is more expensive for removal and replacement than if blasting were possible.

If you should have any questions or need additional information, please don't hesitate to give me a call.

Sincerely;



John W. Harris, P.E.
Consulting Engineer