

Brunssen Engineering Services, P.A.
Engineering - Consulting - Planning

05A-327

11-18-05
Revised 1-05-06

Bob Hartford
5424 Hough Road
Hillsborough, NC 27278

RE: Bingham Ridge
Dimensional verification

Dear Mr. Hartford:

On 11-14-05, the following items were investigated on the NCDOT designed road for the Bingham Ridge Subdivision.

1. Width of Pavement –
 - a. The Cul-de-sac was 80 feet in diameter
 - b. The width of pavement was required to be 18 feet but the measurements were all larger than 20 feet.
 - c. The pavement widths at the entrance measured as per the requirements of the NCDOT entrance detail
2. Width of shoulders –
 - a. The width of the shoulder dimensions as shown on the attached sketch were as required per the NCDOT required cross section. The spots shown are representative of the general condition of the shoulder sections.
3. Seed and mulch
 - a. The shoulders and ditch lines were seeded and strawed. Due to the lack of rain the seed had not germinated at the time of investigation.
4. Ditch lines
 - a. The ditches were prepared as required by the construction drawings.
 - b. Erosion control measures were added to control the movement of sediment.
5. Culverts
 - a. All culverts were installed to properly flow the quantities of water.
 - b. All rip rap aprons appeared to be properly installed.
6. Sediment basins
 - a. All sediment basins were still installed to control sediment from run-off from the newly seeded and mulched disturbed areas. These basins will be removed when the seeded areas are completely covered in grass.

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Bingham Ridge

Results

The results of this investigation indicated that the road was constructed as required by the construction drawings that were generated by Brunssen Engineering Services, P.A. and approved by the NCDOT district office.

The testing of the subgrade, stone, and pavement was performed by others. Centerline of road and right of way location performed by others.

Respectfully,
Brunssen Engineering Services, P.A.



Fritz H. Brunssen

