

# GEOTECH REPORT

(Date)

York County Engineering  
PO Box 148  
York, SC 29745

RE: (Subdivision Name)  
Pavement Section Verification

Dear \_\_\_\_\_

As requested by the developer, (Engineer's Name) has completed an evaluation for the suitability of the standard York County Pavement Section for this project. This evaluation assumes that subgrade soils are stable and have been properly compacted and that fill soils have been properly placed. The extent of our site evaluation was to characterize the exposed subgrade soils. No density tests or proof-rolls have been performed. The soils are predominantly red silts. The predominant soil type can generally be considered "poor" type soils for pavement support. Based upon our experience with soil conditions in this area and typical soil supports values (SSV) for "poor" type soils, an SSV of 1.3 to 1.5 can be expected.

The design traffic number utilized in the attached calculations was developed utilizing the following traffic data:

(Road Name) will have the most traffic in (Phase)

Number of Lots: 21

ADT Two-Way = 8 Trips/Day/Lot X 21 Lots = 168 Trips

Percent Trucks = 10%

Road Groups = "C"

Based upon the attached calculations, the target structural number (SN) is 2.6 for the anticipated traffic and the structural number provided from the standard pavement section is 2.76. Therefore, the standard pavement section should be sufficient as long as the earthwork and pavement section are properly constructed.

If you have any questions or if we can be of any further assistance, please do not hesitate to contact us.

Sincerely,

(Name)  
(Engineering Firm)

Project Engineer Seal