

September 12, 2017

Mr. Rodney Finkbiner
CAROLINA FORESTRY 314 West Millbrook Road
Suite 121
Raleigh, North Carolina 27609

Rodney:

This report concerns the preliminary soils and site investigations for septic system suitability at two sites located on the Sumrell property (54.89 acres) located on the south side of Elevation Road about one-half mile west of the intersection with Black Creek Road near Four Oaks in Johnston county. The property identification number is: 165200-82-5955.

The attached sketch maps show the approximate locations of two septic drain field sites that were located as well as selected cultural features. This map was prepared using property information and aerial photography obtained from the Johnston County GIS web site. The topographic contours (2 ft. interval-LIDAR) were obtained from the NC DOT GIS web site. The USDA soil survey maps of the area were also consulted as to the general nature of the soils, landforms and streams.

The soils areas as shown (area 1) were estimated from hand auger borings made at selected locations and from field observations of soil related landforms and vegetation. The locations of the individual soil borings as well as selected cultural features were estimated using a Trimble mapping grade GPS receiver. This information is sufficient to verify the presence of sewage disposal sites at the locations as approximately shown. Additional investigations and field layouts of drain field trench systems may be required before any permits for sewage disposal can be finalized.

SOILS GENERAL

The soils on this property are mapped in the Gilead, Uchee and Wagram soil series by the Soil Survey of Johnston County (USDA, 1994). A copy of the relevant section of the soil survey map is attached with this report. The property is highlighted in orange marker. The streams that may be subject to riparian buffers are highlighted in blue marker.

Under the USDA classification system Gilead and Uchee soils will classify as having severe limitations for septic system drain fields. The main potential limitations to use are the presence of plastic clayey subsoils, or the presence of seasonally perched water in the subsoils. Wagram soils are classified as having moderate limitations for septic system drain fields. Gilead and Uchee soil map units are commonly used for residential subdivisions, however special detailed investigations are normally required to identify localized unsuitable areas, which commonly occur throughout the units. Wagram soils are generally used for land development with septic system drain fields for sewage disposal. The concerns for unsuitable inclusions are somewhat less than in the Gilead and Uchee soil units.

SOIL MAPPING • SITE INVESTIGATION • LAND RESOURCE DATA EVALUATION

Licensed Soil Scientist

Mr. Rodney Finkbiner
November 12, 2017
Page 2.

SOIL SUITABILITY

The suitability classification of the soils in the identified sewage disposal sites based on State Sewage Disposal regulations (15A NCAC 18A .1900-.1970) are as follows:

SOILS AREA 1: These soils will dominantly classify provisionally suitable for conventional or modified conventional septic system drain fields. These soils generally have grayish brown and light yellowish brown loamy sandy to sand surface layers 12 to 30 inches thick overlying yellowish brown sandy clay loam to clay loam subsoils that exhibit soil structure and are free of seasonal wetness indicators within the upper 30 to more than 40 inches of the soil profiles. These soils can be used for conventional septic system drain fields. The sewage loading rates (LTAR) are estimated to range from 0.40 to 0.55 gal./sq. ft. of trench bottom for conventional drain fields.

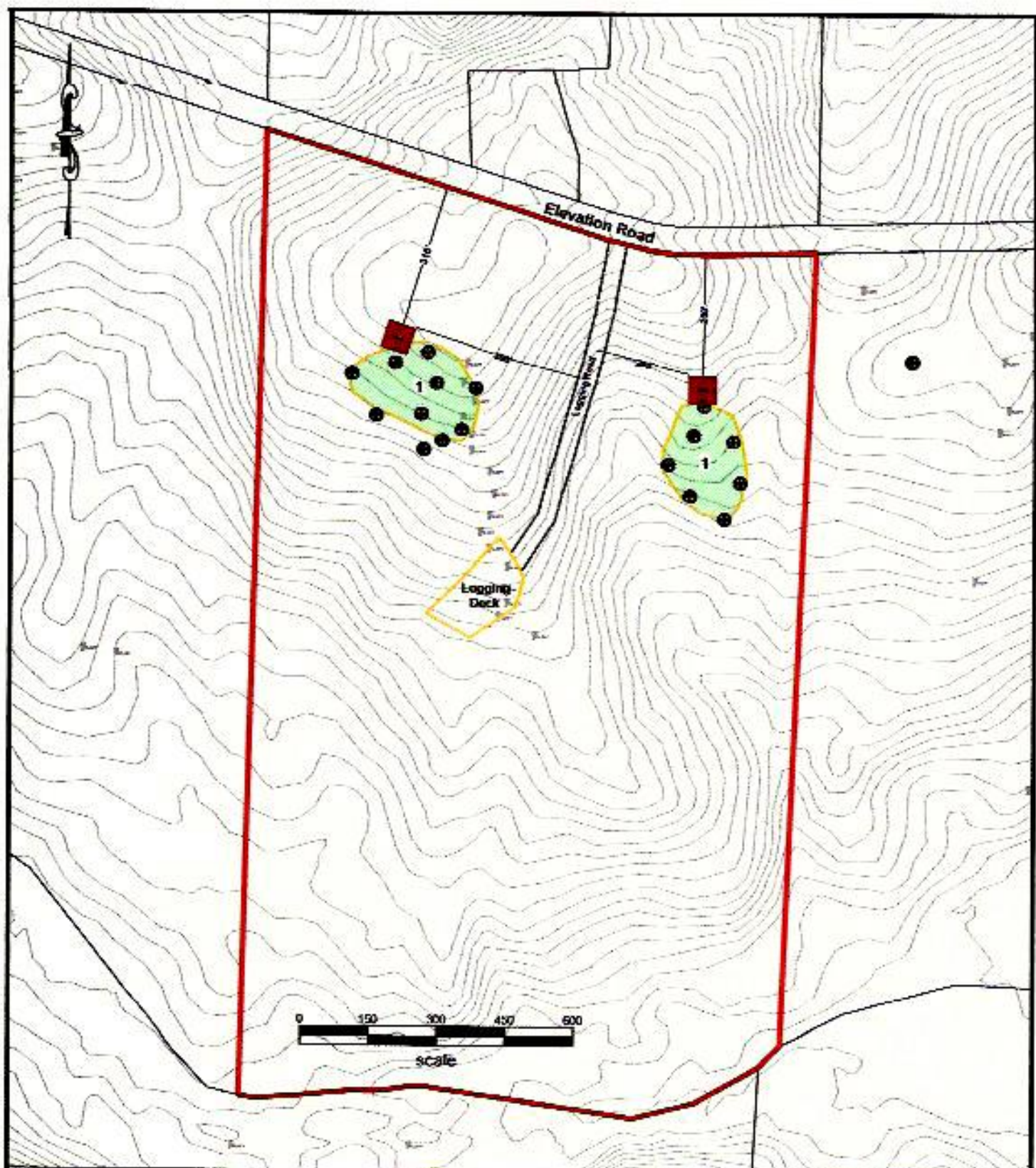
The sewage disposal sites as identified (area 1 soils) each contain in excess of 35,000 sq. ft. of provisionally suitable soils. These sites individually are sufficient to support septic drain fields to accommodate sewage disposal for four bedroom dwellings or larger. At this point I do not see any significant problems with obtaining septic permits for these sites.

Please call me if you have any questions concerning these investigations or the development of the property in more detail.

Sincerely


Daniel J. Bliley
Licensed Soil Scientist



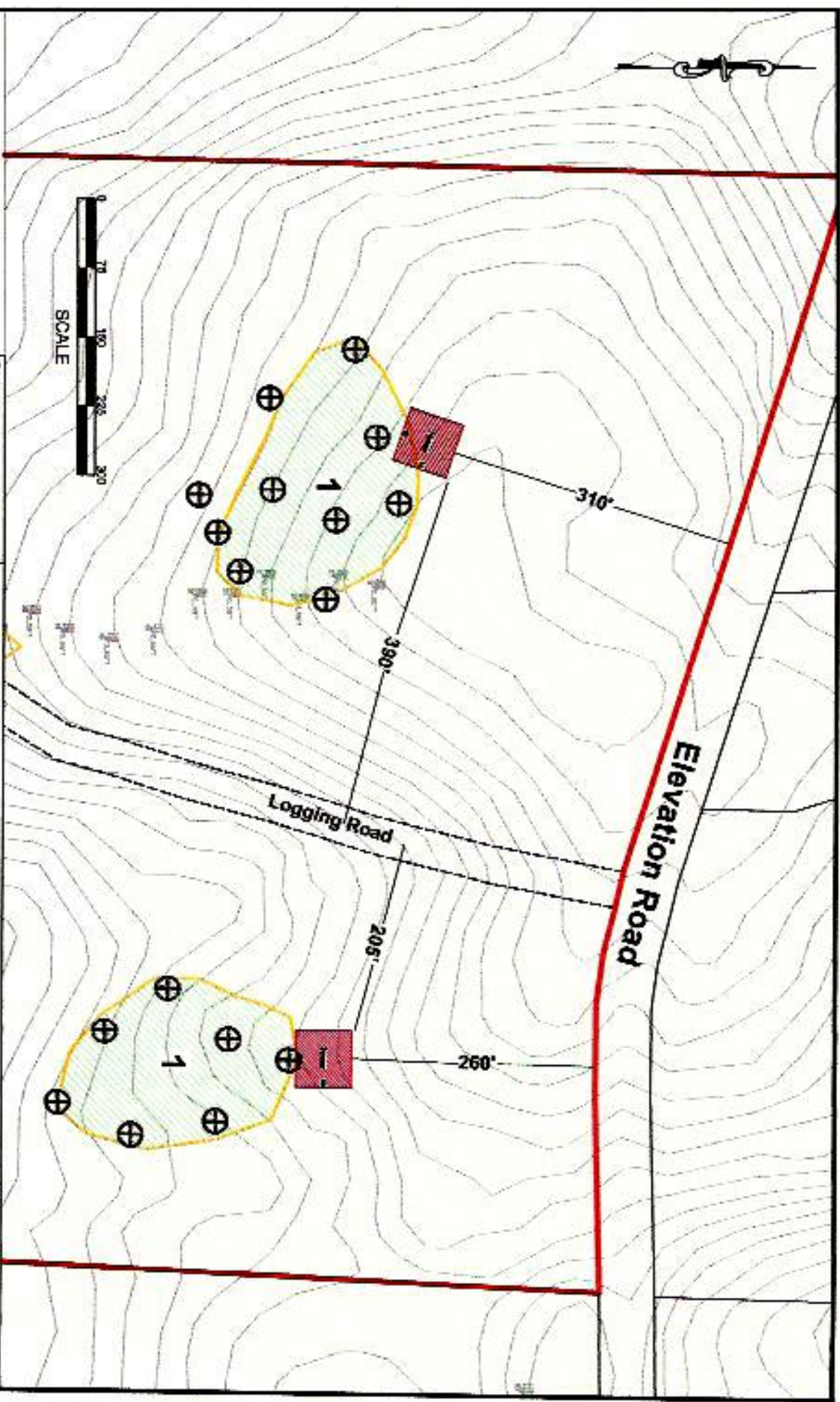


Project: 54.89 ac. tract
 Client: Carolina Forestry
 CAD File: Sumrell
 Scale: 1" = 300'
 Date: November 12, 2017

Daniel J. Bliley
 Soils and Land Use Consultant
 614 South Second Street - Smithfield NC 27577
 Phone/Fax: (919) 934-8610 - Email: dbliley1@nc.rr.com

Legend

-  Provisionally Suitable Soils
-  Soil Borings
-  House Sites



Legend

-  Provisionally Suitable Soils
-  Soil Borings
-  House Sites

Project: 64.89 acre tract

Client: Carolina Forestry

CAD File: Sumrell

Scale: 1" = 150'

Date: November 12, 2017

Daniel J. Biley

Soils and Land Use Consultant

614 South Second Street - Smithfield NC 27577

Phone/Fax: (919) 934-8610 - Email: dbiley1@nc.rr.com