

Neal C. Floyd & Associates, Inc.

To: ENT Land Surveys, Inc
226 S. Churton Street
Hillsborough, N.C. 27278

5/11/07

RE: preliminary plan Arcadia - lots 1-13

Dear Steve,

Enclosed is the soils map for the proposed lot design based on my site and soil evaluations incorporated with the soil evaluations completed by the soil scientist/EHS of the Chatham County Health Department. The soil areas shown for onsite waste disposal are a combination of work and are field located for this design.

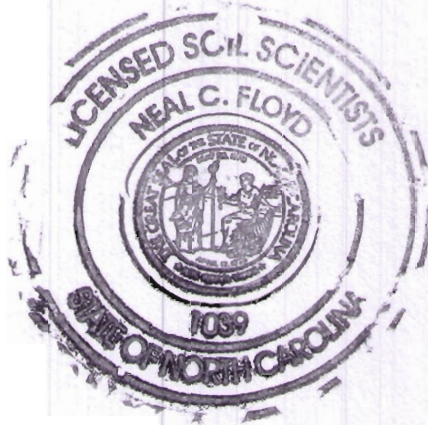
The site occurs across several ridge and side slope complexes underlain by mixed acid/basic crystalline rock. Some rock outcroppings are visible throughout the site. The site is wooded with a mixture of mature pines and hardwoods. A perennial stream crosses the property from N to S and has some associated wetlands as shown. The soil is characterized as having a 6 to 18" sandy loam A1 underlain by a red to reddish yellow Bt/argillic. The Bt has fine to moderate subangular blocky structure and ranges from 2.4 to 40+ " to the BC/CB. The LTAR's can range from 0.3 gpd/ft² for conventional systems.

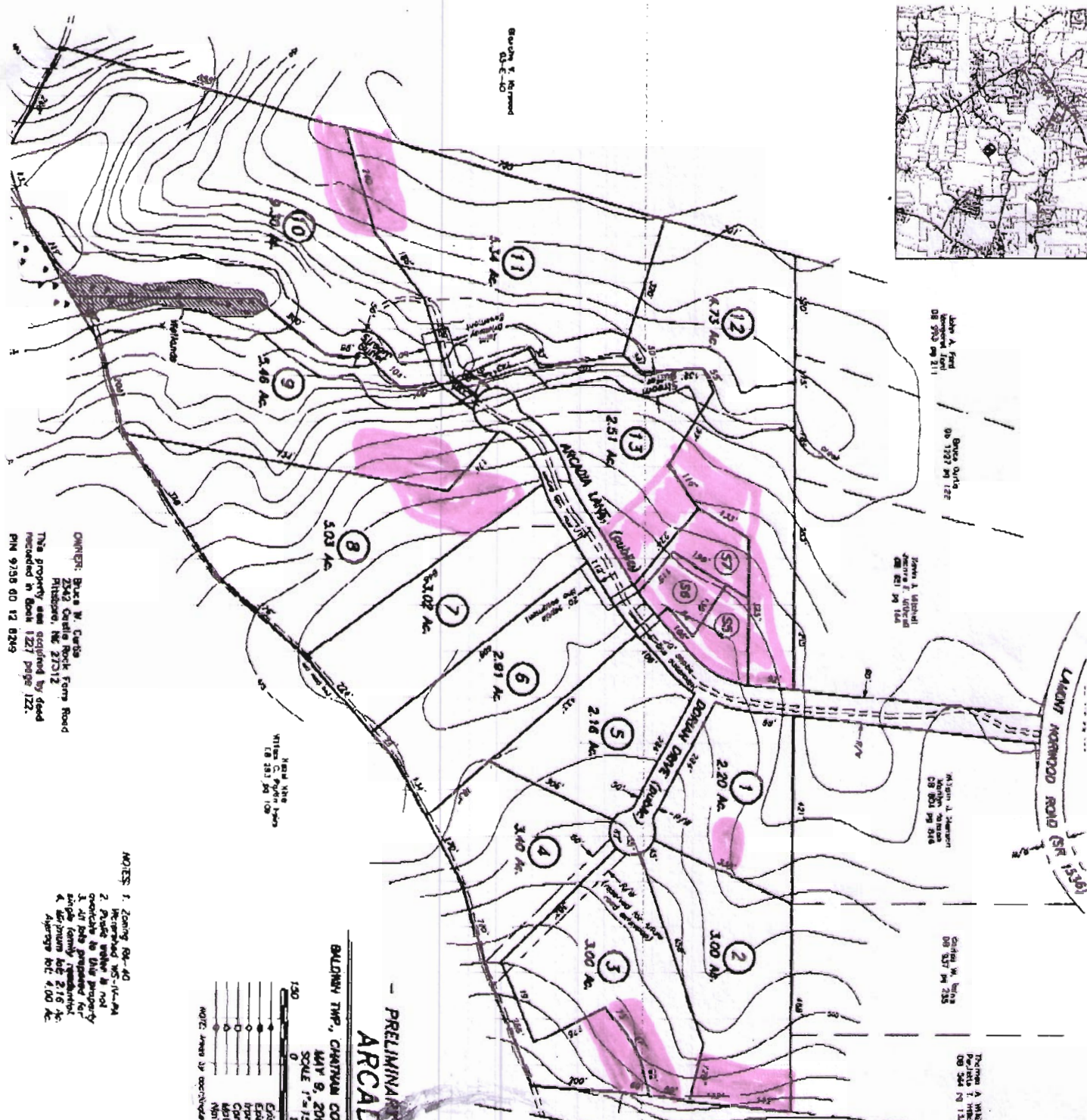
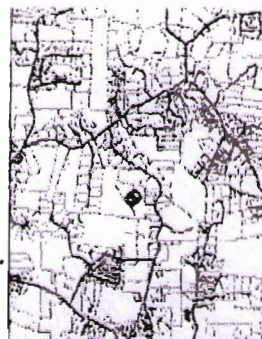
Based on the current design of the subdivision, all lots are set to have 4 bedroom conventional/"at grade" conventional systems onsite or as offsite systems. Each area is marked and field located. Final design adjustment may be made upon review by the CCHD at time of the permit and final review. At the final review with the CCHD, any lot line adjustments or other items can be made to satisfy all approvals.

Neal C. Floyd & Associates, Inc.

If you have any questions please contact me.

Sincerely
Neal Floyd
Neal Floyd
Soil Scientist





OWNER: Bruce W. Curtis
 2342 Cavale Rock Farm Road
 Rittsburg, NC 27212
 The property was acquired by deed
 recorded in Book 1227 page 122.
 PIN 9735 00 12 8299

NOTES:

1. Zoning R4-40
2. Intersected WS-IV-A4
3. Private water is not
4. connects to this property
5. All lots proposed for
6. single family residential
7. & all other use 210 Ac.
8. Average lot: 4.00 Ac.

NOT: Areas of disturbed vegetation

150	Existing run stroke
0	Existing Cave, 15th.
150	Open Shrub Swt
300	Cave Area Swt
	Asph/Concrete Pk.
	NOI Swt

PRELIMINARY
ARCADIA
 BURLING TWP., CHATHAM CO., NORTH CAROLINA
 MAY 9, 2007
 SCALE 1"=150'



NOTE: These parcels are located near an area that is frequently used for agricultural purposes. Minor agricultural operations may conflict with residential use. The use (farm) should be consistent with the agricultural operations protection special use zoning formula.

Pro. Suitable
 Z 2411

*** all areas shown have been evaluated by CHD**
 On file ready area 11.
 08 120 91 150



ENT
 David Yarnall, Inc.
 914 N. Craven St. Wilmington, NC 28401