

HALLOWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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9 November 2004

08-5-19529

Fred Cummings
J. E. Womble & Sons, Inc.
PO Box 1376
Lillington, NC 27546

Reference: Preliminary Soil Investigation & Existing System Investigation
Anne Hallowell Property - Tracts 1-5

Dear Mr. Cummings,

A site investigation has been conducted for the above referenced property, located on both sides of McDougald Road (SR 1229), Upper Little River Township, Harnett County, North Carolina. The purpose of this investigation was to determine the ability of tracts 2, 3, 4 and 5 to each support a subsurface sewage waste disposal system and 100% repair area for a typical three-bedroom home. The second purpose of the investigation was to determine the existence of a subsurface sewage waste disposal system on Tract 1 and to make surface observations relative to its apparent operation. All sewage disposal ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal, 15A NCAC 18A .1900." It is our understanding that individual septic systems and public water supplies will be utilized at this site. This report represents my professional opinion as a Licensed Soil Scientist but does not guarantee or represent permit approval for any lot by the local Health Department. An improvement permit for all residences will need to be obtained from the Health Department that specifies the proposed home size and location, and the design and location of the septic system to be installed.

Tract 1 has an existing residence with an existing septic system that appeared to be functioning properly on the day of the investigation. This existing septic system appeared to be located within any setback requirements for this property. A soil investigation was conducted and it appears that an adequate amount of provisionally suitable soil exists on this lot to 100 % repair the system if it should fail.

A portion of Tracts 2, 4 and 5 were investigated and observed to be dominated by provisionally suitable soils for subsurface sewage waste disposal. These provisionally suitable soils were observed to be friable sandy clay loams with moderately deep sandy loam surfaces. The subsoils extended greater than 36 inches below ground surface and appear adequate to support long-term acceptance rates of 0.3 to 0.6 gal/day/sqft for conventional drainlines. It appears that the soils on each of tracts 2, 4 and 5 are adequate to support a conventional septic system and repair area for at least one residence.

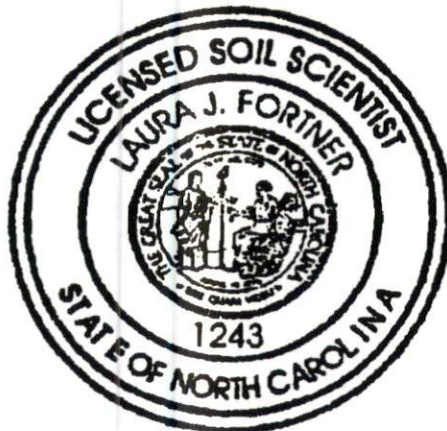
A portion of tract 3 was investigated and the dominant useable soils found were rated as provisionally suitable for modified or alternative systems which are limited in soil depth to the extent that systems that can be installed ultra shallow will likely be required. This requirement may necessitate the addition of approximately 6 inches of topsoil to completely cover the system or the use of low-pressure pipe systems. These more marginal soils were observed along the boundary with the unsuitable soils. These provisionally suitable soils for modified or alternative systems were observed to be firm sandy clays to greater than 24 inches and appear adequate to support long term acceptance rates of 0.2 to 0.3 gal/day/sqft for ultra shallow conventional drainlines. It appears that the soils on tract 3 are adequate to support a septic system and repair area for at least one residence.

This soil investigation report and map, when provided to the Harnett County Health Department, should allow them to sign the maps for recordation. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner
Licensed Soil Scientist



STATE OF NORTH CAROLINA
COUNTY OF HARNETT

I CERTIFY THAT THE REVIEW OFFICER OF HARNETT
MAP OR PLAT TO WHICH THIS CE
IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS F
RECORDING.

DATE

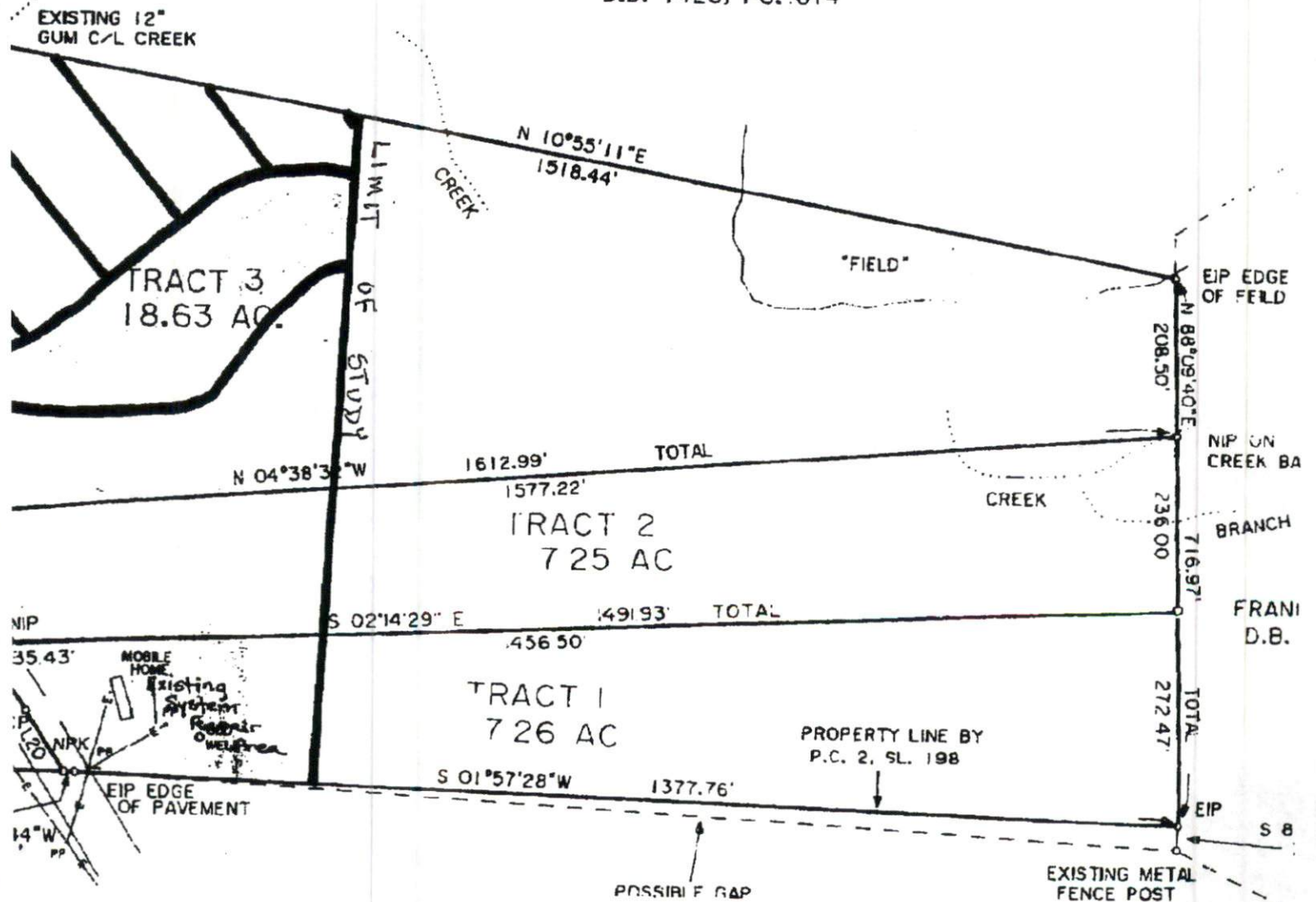
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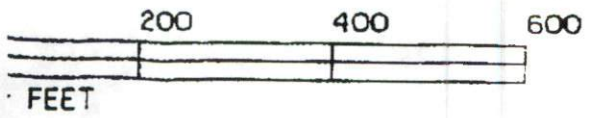


NOTE:
THIS SURVEY CREATES A SUBDIVISION OF LA
WITHIN THE AREA OF A COUNTY OR MUNICIPAL
THAT HAS AN ORDINANCE THAT REGULATES PA
OF LAND.

CLYDE L. PATTERSON
D.B. 1420, PG. 614






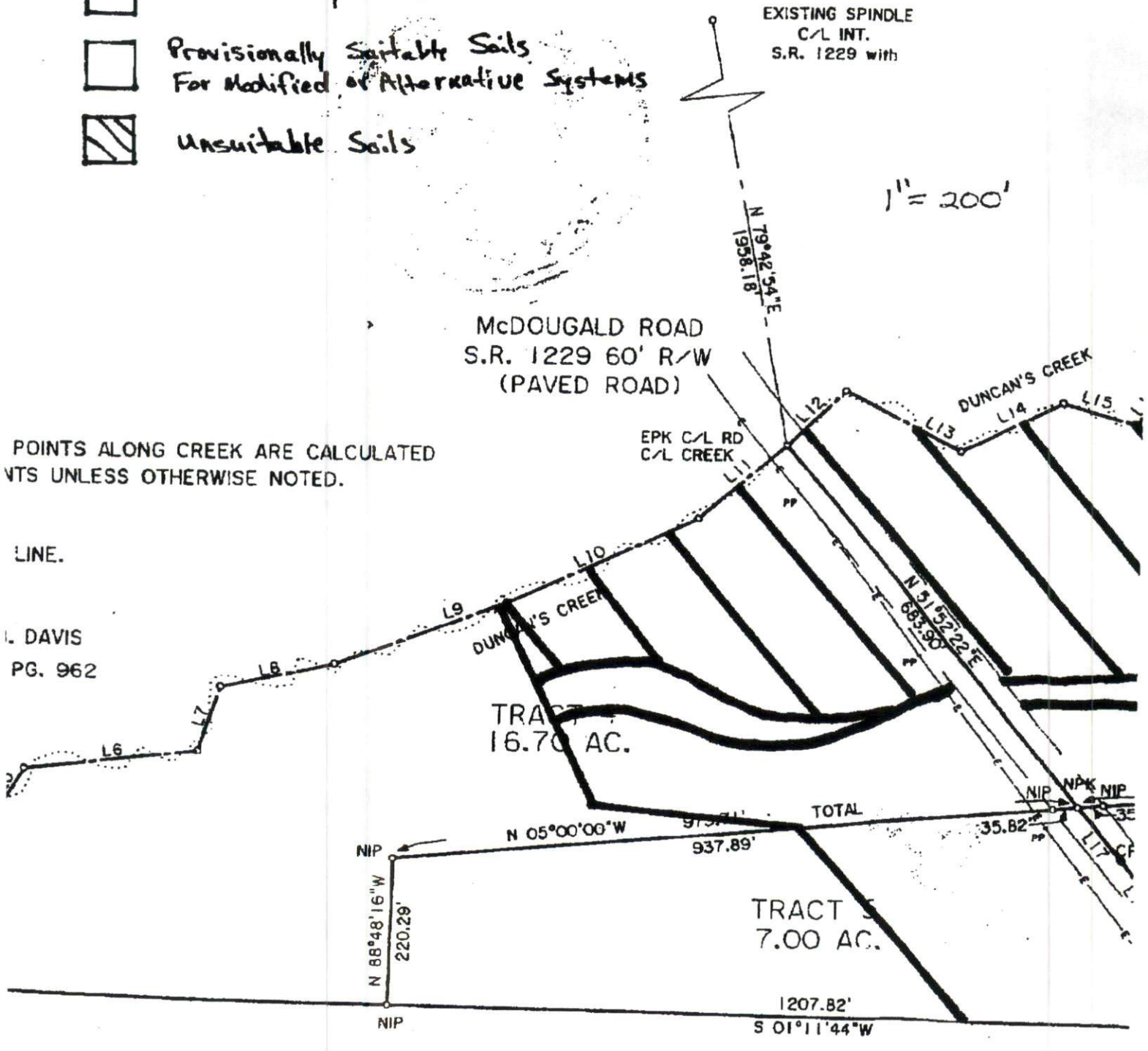
OWNER _____
OWNER _____



I HEREBY CERTIFY THAT THIS RECORD PLAT COMPLIES WITH THE SUBDIVISION REGULATIONS OF HARNETT COUNTY AND THAT THIS PLAT HAS BEEN APPROVED FOR RECORDATION IN THE REGISTER OF DEEDS IN HARNETT COUNTY.

DATE _____ COUNTY PLANNER _____

-  Provisionally Suitable Soils
-  Provisionally Suitable Soils For Modified or Alternative Systems
-  Unsuitable Soils





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