

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL CONSULTANTS

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29 September, 1999

Harnett County Environmental Health
P.O. Box 9
Lillington, NC 27546

Attention: Mr. Thomas Boyce, Soil Scientist

Reference: Preliminary Soil Investigation
Ravensbrook Subdivision, Lots 1 - 9

Dear Mr. Boyce,

A preliminary soil investigation has been conducted at the above referenced property, located on the northern side of Brown Road (SR 1264), Upper Little River Township, Harnett County, North Carolina. The purpose of the investigation was to determine each lot's ability to support a subsurface sewage waste disposal system and repair area for a typical three-bedroom home. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal, 15A NCAC 18A .1900."

This property is composed of a very complex mixture of soils that range from suitable to unsuitable for subsurface sewage waste disposal. Deep, sandy "suitable" soils were observed in limited quantity on Lots 3, 4, 5, 8, and 9 but were not separated from the provisionally suitable soils on the attached map. The provisionally suitable soils were observed to be friable sandy clay loams to greater than 32 inches and will support long term acceptance rates of 0.4 gal/day/sqft. Also included in the provisionally suitable soil area, but not separated on the map, are soils that are limited in soil depth (26 to 32 inches) to the extent that systems that utilize ultra shallow drainlines may be required. These provisionally suitable soils for modified or alternative systems were noted on Lots 1, 2, 6 and immediately adjacent to unsuitable areas. They were observed to be firm sandy clays to greater than 24 inches and will support long term acceptance rates of 0.3 gal/day/sqft. It appears that the soils on each of these lots are adequate to support a conventional septic system and a repair area for one residence. Lot 8 will likely require the use of a pump regardless of house placement.

Preliminary Soil Investigation
Ravensbrook Subdivision

Provided

for: Mr. Brooks O'Quinn

by: Hal Owen & Associates, Inc.

September 1999

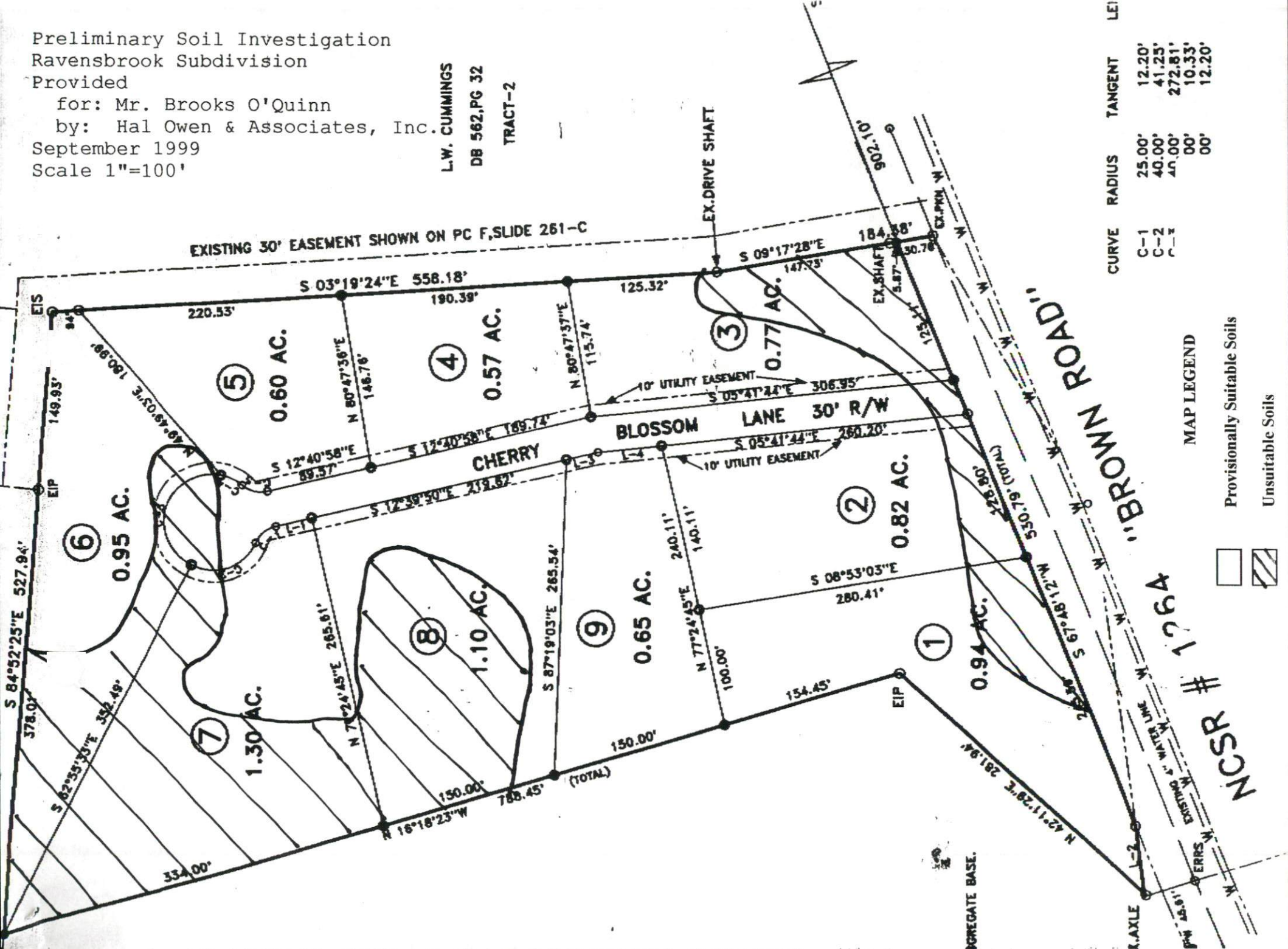
Scale 1"=100'

L.W. CUMMINGS

DB 562, PG 32

TRACT-2

EXISTING 30' EASEMENT SHOWN ON PC F, SLIDE 261-C



CURVE	RADIUS	TANGENT	LE
C-1	25.00'	12.20'	12.20'
C-2	40.00'	41.25'	41.25'
C-3	40.00'	272.61'	272.61'
	00'	10.33'	10.33'
	00'	12.20'	12.20'

MAP LEGEND

-  Provisionally Suitable Soils
-  Unsuitable Soils