

**SOIL/SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM**

Owner: 06500 14500

Applicant:

Date Evaluated: 5.9.06

Address:

Property Size: .972

Proposed Facility: MH

Design Flow (.1949): 360

Property Recorded: un

Location of Site: 1114

Water Supply: Public Individual Well Spring Other
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process Mixed

P R O F I L E #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
1 2 3 4 5 6 7 8		048	GA SL	SLR SL		48			.6
		048	GA SL	UFA SL		48			.6
		0-12	GA SL	UFA SL					
		12-24	SDK SCL	FR SL					.4
		24-36	SDK SC	FR SL					.4
		36-48	SDK SC	FR SL					.4
		0-24	GA SL	UFA SL					
		24-36	SDK SCL	FR SL					.4
		36-48	SDK SC	FR SL					.4
		0-18	GA SL	UFA SL					
		18-36	SDK SCL	FR SL					.4
		36-48	SDK SC	FR SL					.4
		0-24	GA SL	UFA SL					
		24-48	SDK SCL	FR SL					.4

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	Realt	UP
Site LTAR	.4	.2 or less

Other Factors (.1946): _____
 Site Classification (.1948): P)
 Evaluated By: GWS
 Others Present:

4x75 18" ms
 meet. and

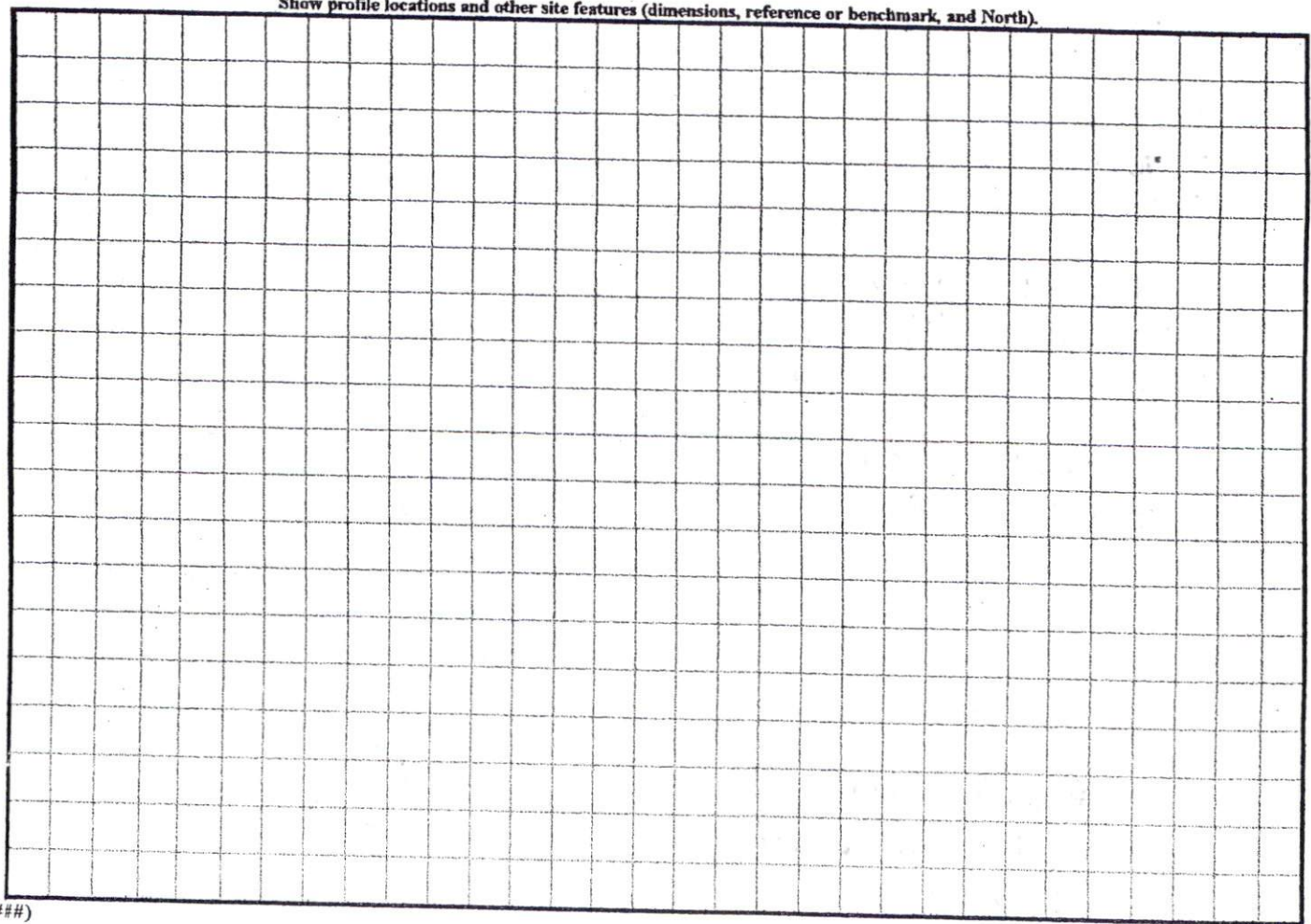
COMMENTS: _____

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	NS-NON-STICKY SS-SLIGHTLY STICKY S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6		
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3		
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE		SICL-SILTY CLAY LOAM			
FP-FLOOD PLAN	IV	SIC-SILTY CLAY	0.4 - 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE
 SG-SINGLE GRAIN
 M-MASSIVE
 CR-CRUMB
 GR-GRANULAR
 SBK-SUBANGULAR BLOCKY
 ABK-ANGULAR BLOCKY
 PL-PLATY
 PR-PRISMATIC

MINERALOGY
 SLIGHTLY EXPANSIVE
 EXPANSIVE

Show profile locations and other site features (dimensions, reference or benchmark, and North).



SITE PLAN APPROVAL

DISTRICT RAZOR USE DWMH

#BEDROOMS 3

4-6-06 d. JOHNSON
ZONING ADMINISTRATOR

4-6-06 Walter B. ...

JOHN M. DEVANNO, JR.
DEED 01988 PG 0721
PIN 9587-43-6556

LOT 35
ROXANNE L. PEABODY
DEED 01998 PG 0595
PIN 9587-43-4497

COUNTRYWIDE HOME
DEED 02655 PG 055
PIN 9587-43-757

KATE LANE 50' PUBLIC R/W
SR # 2195

36A
CONTAINS: .823 AC

LOT 38
LARRY M. ROAN
DEED 01443 PG 0558
PIN 9587-43-328

36B
CONTAINS: .972 AC

MICHAEL A. KE
DEED 01346 PG 1
PIN 9587-43-8022

JONATHAN L. &
SHEILA C. WHITE
DEED 1127 PG 0991
PIN 9587-42-2989

THOMAS E. WORN, JR.
AND MARIA R. WORN
DEED 1115 PG 0316
PIN 9587-42-5923

007-1



HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, 266 Old Coats Road

Lillington, NC 27546-0400

Phone (910) 893-8743 / Fax (910) 893-3594

E-mail: halowen@earthlink.net

26 January 2006

Mr. Tony Kimbrell
Karton Properties, LLC
P.O. Box 138
Sedalia, NC 27377

Reference: Preliminary Soil Investigation
Overview Estates, Phase 3, Lots 36A and 36B

Dear Mr. Kimbrell,

A preliminary soil investigation has been conducted for the above referenced property, located at the termination of Kate Lane, Barbecue Township, Harnett County, North Carolina. The purpose of the investigation was to determine the existence of a subsurface sewage waste disposal system on Lot 36A and to make surface observations relative to its apparent operation. The purpose was also to determine the ability of Lot 36B 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 Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". It is our understanding that individual septic systems and public water supplies will be utilized at this site.

Lot 36A 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.

Lot 36B is underlain by a mixture of soils that range from suitable to unsuitable for subsurface sewage waste disposal. The suitable soils, located in the southwestern property corner, were observed in to be friable loamy sands to greater than 42 inches and appear adequate to support long term acceptance rates of 0.8 gal/day/sqft. The provisionally suitable soils in the center of the lot were observed to be friable sandy clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.4 to 0.5 gal/day/sqft. In the northern corner of the lot by the cul-de-sac, provisionally suitable soils for modified or alternative systems were observed. These exhibited friable sandy clay loam textures to greater than 24 inches and appear adequate to support long term acceptance rates of 0.1 gal/day/sqft for low pressure pipe systems. The house footprint and driveway will likely consume most of the more marginal soils on the lot. It appears that the soils on this lot are adequate to support a septic system and repair area for 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,



Hal Owen
Licensed Soil Scientist



PUBLIC R/W

36A
CONTAINS: .823 AC

DANIEL OWENS
DEED 1281 PG 0969
PIN 9587-43-8451

REPAIR
AREA

M. ROANE
1443 PG 0250
7-43-3286

36B
CONTAINS: .972 AC



RALPH A. RODRIGUEZ
DEED 01422 PG 0259
PIN 9587-43-9008

DEPARTMENT OF
DIVISION OF
NO APPROVA

DISTRICT E

MICHAEL A. KENDZIERSKI
DEED 01346 PG 0220
PIN 9587-43-8022

THOMAS E. WORN, JR.
AND MARIA R. WORN
DEED 1115 PG 0316
PIN 9587-42-5923

-  Suitable and Provisionally Suitable Soils
-  Unsuitable Soils



NOTE: BEING A DI
LOT 36 OVE
PHASE 3 AS

