PW

8226B

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

4802

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ☐ N/A ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☑ N/A ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 217|9|47
STREET ADDRESS: 18016 Bakewoods Rd.
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: The Palisades
LOT #: LOT SIZE (acres): 1.09
TOWNSHIP:
☑ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:

BUILDING TYPE:
☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☑ HOUSE ☐ OTHER _____
HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 6
NUMBER OF OCCUPANTS: 5
FOUNDATION TYPE:
☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ☐ MUNICIPAL ☑ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER _____

7. PROPOSED USE OF WELL: ☑ N/A ☐ IRRIGATION ☐ POTABLE (DRINKING WATER) ☐ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED)*:

☐ N/A ☐ ANY TYPE ☑ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: ___ ___ ___ ___ ___

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	☐ YES	☑ NO	JURISDICTIONAL WETLANDS	☐ YES	☑ NO
WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	☐ YES	☑ NO
CHEMICAL/PETROLEUM STORAGE TANKS	☐ YES	☑ NO	KNOWN UNDERGROUND CONTAMINATION	☐ YES	☑ NO
WASTE STORAGE	☐ YES	☑ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	☐ YES	☑ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1931 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? closed ☐ N/A

12. PROPERTY OWNER:

NAME: Foundation Homes + Dev LLC
ADDRESS: 8058 Corporate Center Dr. Suite 300
CITY: Charlotte
STATE: NC ZIP: 28226
HOME PHONE: 704 609-3161
WORK PHONE: 704 554-1636
MOBILE PHONE: 704 609-3161
FAX: 704 554-1830

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Harold Souther
ADDRESS: 11700 Carmelcwbdr
CITY: Charlotte
STATE: NC ZIP: 28226
HOME PHONE: 704 609 3161
WORK PHONE: 704 554-1636
MOBILE PHONE: 704 609-3161
FAX: 704 554-1830

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 7/1/08

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

AM (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below.

_____ 10-14-10
Property Owner's or Owner's Legal Representative Signature — Date

OFFICE USE ONLY

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEES RECEIVED: $ 250 CHK 1715 DATE FEE RECEIVED: 10/15/10

WELL APPLICATION FEES RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: JC

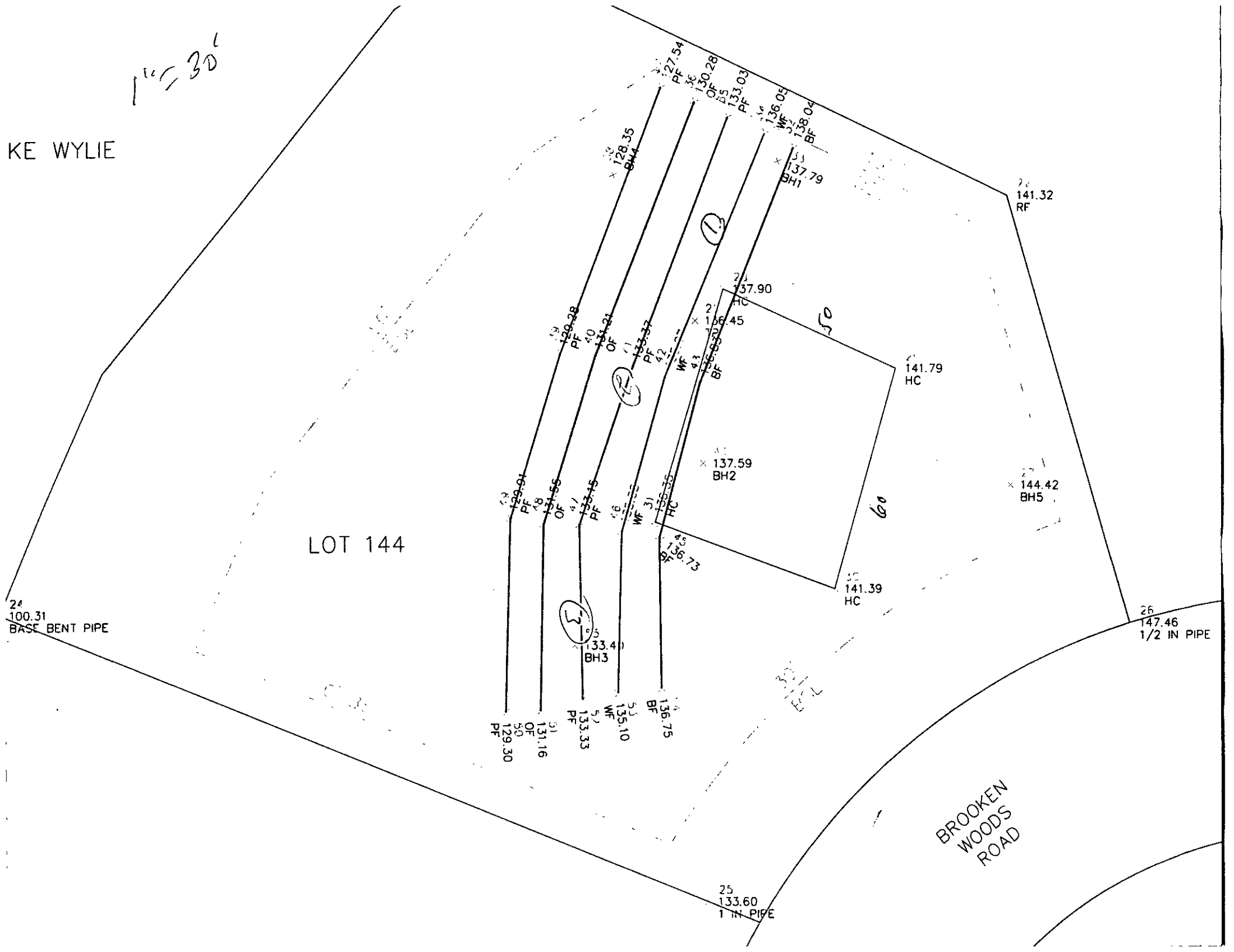
GWS FILE NUMBER ASSIGNED: 82260

APPLICATION ID NUMBER ASSIGNED: 4882

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 7/1/08


1" = 30'
KE WYLIE
LOT 144
BROOKEN WOODS ROAD
127.54 PF
130.28 OF
133.03 PF
136.05 WF
138.04 BF
128.35 BH4
137.79 BH1
141.32 RF
137.90 HC
136.45
141.79 HC
137.59 BH2
144.42 BH5
129.91 PF
131.55 OF
133.45 PF
135.35 WF
136.73 BF
141.39 HC
100.31 BASE BENT PIPE
133.41 BH3
147.46 1/2 IN PIPE
129.30 PF
131.16 OF
133.33 PF
135.10 WF
136.75 BF
133.60 1 IN PIPE
50
60

Dear Mecklenburg County,

Please accept this request for a septic permit. My soil specialist is:

Kenny Owens – Septic Environmental Solutions, Inc.

5522 Whispering Wind Ln. Indian Trail, NC 28079

704-502-5588

****Filo Walker requests Bill Marlin for a Saprolite evaluation****

****A hired backhoe excavator will be on site****

Please assist to coordinate onsite evaluation with hired excavator and Kenny Owens

My contact info:

Harold Soutier

8058 Corporate Center Dr. Suite 300

Charlotte, NC 28226

704-609-3161 cell

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Page 1
Property ID: 21719147
Lot #:
File #: 8226B
AppID: 4802

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Foundation Homes & Dev. LLC
Applicant: Harold Soutier
Address: 8058 Corporate Center Drive Charlotte, NC 28226
Date Evaluated: 10/26/2010
Proposed Facility: Residence
Design Flow (.1949) 720 GPD
Property Size: 1
Location of Site: 18016 Broken Woods Road
Property Recorded:
Water Supply: [ ] Public [X] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		b PROFILE FACTORS				
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr. Horiz	Profile Class & LTAR
1	LS	0-9	GR/SL	FR/SS/SP/SEXP	>18" TO SOIL WETNESS	18"	US	NA	US
	5%	9-18	SBK/SC	FR/S/P/SEXP					
		18-52	MASS/SCL	FI/S/P/SEXP					
2	LS	0-16	GR/SCL	FR/SS/SP/SEXP	>33" TO SOIL WETNESS	33"	US	NA	US
	5%	16-26	SBK/SCL	FI/S/P/SEXP					
		26-33	SBK/C	FI/VS/VP/EXP					
		33-58	MASS/SCL	FI/S/P/SEXP					
3	LS	0-12	GR/SL	FR/SS/SP/SEXP	>27" TO SOIL WETNESS	27"	US	NA	US
	10%	12-27	ABK/C	FI/S/P/SEXP					
		27-55	MASS/SCL	FI/S/P/SEXP					
		55-65	MASS/SL	FI/SS/SP/SEXP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)	NA	NA
Site LTAR	NA	NA

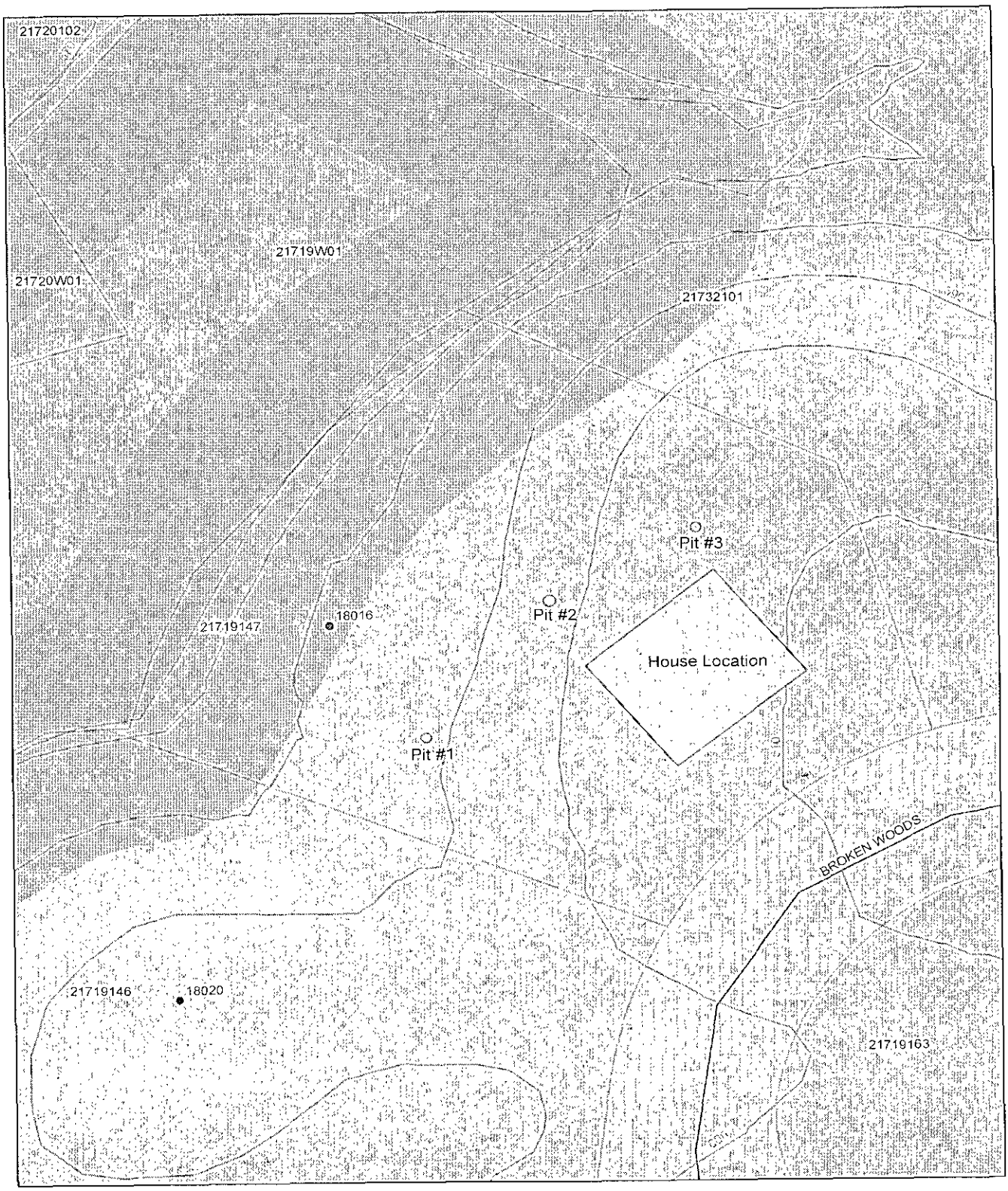
Other Factors (.1946):
Soil Evaluation By: Philo Walker, RS
Others Present: William Marlin, LSS, Kenny Owens
Site Classification (.1948): UNSUITABLE
Site Evaluation By:
Others Present:

COMMENTS:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Report Number: 10-301-0802
Account Number: 46867

www.aleastern.com

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6448

Send To: Mecklenburg County Government
GWS Land Use & Env S
700 N Tryon St - Ste 211
Finance Department 11th floor
Charlotte NC 28202

Grower: HAROLD SOUTIER

Submitted By: P WALKER
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Date Received: 10/28/2010 **Date Of Analysis:** 10/29/2010 **Date Of Report:** 11/01/2010

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Available ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	13449																			
2	13450																			
3	13451																			

Sample ID / Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate	Cl ppm Rate	Al ppm
1															
2															
3															

Values on this report represent the plant available nutrients in the soil. Rating after each value. VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter). meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing

Analysis prepared by: A&L Eastern Laboratories, Inc.

by Pauric McGroary

Pauric McGroary

www.aleastern.com

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

TEXTURE ANALYSIS

Client :
Mecklenburg County Government
700 N Tryon St - Ste 211
Finance Department 11th floor
Charlotte , NC 28202

Grower :
HAROLD SOUTIER

Farm:

Report No : 10-301-0802
Cust No : 46867
Date Printed : 11/01/2010
Page : 1 of 1
Submitted By : P WALKER
Date Received : 10/28/2010

Lab No	Field ID	Sample Identification	Percent Sand	Percent Silt	Percent Clay	Textural Classification
13449		1	51.6	20.0	28.4	Sandy Clay Loam
13450		2	57.6	16.0	26.4	Sandy Clay Loam
13451		3	37.6	36.0	26.4	Loam ✓

Analysis prepared by: A&L Eastern Laboratories, Inc.

MECKLENBURG COUNTY
Health Department

November 04, 2010

FOUNDATION HOMES AND DEV LLC
8058 CORPORATE CENTER DR, SUITE 300
CHARLOTTE NC 28226

Re: *Application for improvement permit for:*
Property Site: 18016 BROKEN WOODS RD
Health Department file number: **8226B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on October 26, 2010 evaluated the above-referenced property at the site designated on the site plan that accompanied your improvement permit application. According to your application the site is to serve a 6 BEDROOM HOUSE, with a daily design flow of 720 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☐ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☒ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☒ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or off-site to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement

permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is December 15, 2010. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

Philo Walker RS

PHILO WALKER RS
Authorized Agent - DENR

Encl: (2)

SOIL SAMPLE SUBMITTAL FORM

A&L EASTERN LABORATORIES, INC.

68163

7621 Whitepine Road Richmond VA 23237 Tel: 804-743-9401 Fax: 804-271-6446
Email: office@al-labs-eastern.com Website: www.al-labs-eastern.com

Date	Account#
10/27/10	

Grower/Project Information				Customer Information		
				Mecklenburg Submitted By County		~~Charge To~~
Harold Soutier				Groundwater & Wastewater Services		Need percent sand, silt,
				700 N. Tryon St, Suite 211, Charlotte NC 28202		+ clay by hydrometer method
Field ID		Farm ID		Send report to: ___Grower X Submitter; X e-mail ___ paperless		
___MasterCard ___VISA		Card #:			Exp. Date: /	Phone: 704 336 5570
E-mail address		Philo.Walker@MecklenburgCountyNC.gov				Fill In This Section If Recommendations are needed

Sample ID	Lab Number (Lab Use Only)	S1	S2	S3	S23	S5	S6	SA1	SA10	Text-ure	Additional Test	Crop to be Grown	Yield Goal	Previous Crop/Yield	Lime Yr.-T	Sample Depth	Check if irrigated
1															-		__ Drip __Sprinkler
2															-		__ Drip __Sprinkler
3															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler

Mehlich III Test Packages: For VA, PA, NY, MD nutrient management programs

S1 - Organic matter, estimated nitrogen release, phosphorus, potassium, magnesium, calcium, pH, buffer pH, hydrogen, cation exchange capacity, and % base saturation.
S2 - Test S1 plus Soluble Salts and Sodium
S3 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), manganese(Mn), copper(Cu), and iron(Fe).
S23 (complete test) -Test S3 plus Soluble Salts and Sodium
S5 - Test S1 plus Sulfur(S) and zinc(Zn)
S6 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), and manganese(Mn)

Soil Test Packages using Ammonium Acetate and Bray P

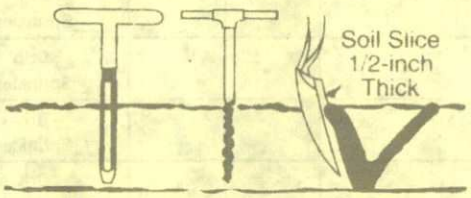
SA1 - Organic matter, estimated nitrogen release, phosphorus (P1,P2), potassium, magnesium, calcium, pH, buffer pH, hydrogen, cation exchange capacity, and % base saturation
SA10 - Same as S1A without P2 phosphorus.
SA2 - SA1 plus soluble salts and sodium.
SA3 - Sulfur, boron, zinc, manganese, copper, and iron
SA5 - Sulfur and zinc
SA6 - Sulfur, boron, zinc and manganese.

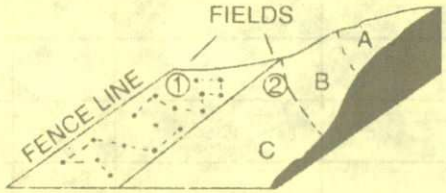
CUSTOMER'S COPY

PROCEDURE FOR TAKING GOOD SOIL SAMPLES

ACCURACY OF THE SOIL TEST RESULTS DEPENDS ON THE SAMPLE SUBMITTED:

1. Divide your field into areas which have the same soil type, color, slope, fertilizer liming, and crop history.
2. Take approximately 15 cores or slices from each uniform soil area, mix them thoroughly in a clean plastic or paper container, then fill soil sample bag one-third to one-half full from this representative sample.
3. Scrape away surface litter and sample to plow depth for all row crops. On permanent pastures, sods, lawns, and turf areas, sample four inches deep.
4. Several different tools such as soil sampling tube, soil auger, or spade may be used in taking soil samples, as illustrated below.





5. Label each soil sample bag with your name and sample identification to correspond to sample identification listed on the sample information sheet. A map is printed on the soil information sheet for your convenience in recording the sample location.
6. Avoid areas or soil conditions that are different such as lime piles, fertilizer spills, gate areas, livestock congregation areas, poorly drained areas, dead furrows, fertilizer bands, old fence rows, or any other unusual area.
7. Do not use galvanized, soft steel, or brass equipment if trace metal analysis are desired.

How to Fill Out Information Sheet

1. Fill in grower's name, samples submitted by, and if charged to a third party list their name.
2. List sample identification and check analysis desired.
3. If fertility recommendations are requested, list only five samples per page using shaded areas only.
4. The accuracy of the fertility recommendations given will depend on the detail of the information supplied.

Packaging and Shipping Instructions

1. If samples are wet, we suggest they be air dried to a workable condition before packaging.
2. Place sample bags in a sturdy, spillproof container and pack tightly to prevent opening and spillage in shipment.
3. Place completed information sheet in an envelope and attach to outside of the package.
4. Samples may be shipped by parcel post, United Parcel Service, bus, or air freight.

- We also provide services in -

PLANT TISSUE ANALYSIS
FERTILIZER ANALYSIS
AGRICULTURAL CONSULTING

FEED AND FORAGE ANALYSIS
WATER ANALYSIS
SEED GERMINATION AND PURITY

HERBICIDE AND INSECTICIDE RESIDUE ANALYSIS

SOIL SAMPLE SUBMITTAL FORM

A&L EASTERN LABORATORIES, INC.

68162

7621 Whitepine Road Richmond VA 23237 Tel: 804-743-9401 Fax: 804-271-6446
Email: office@al-labs-eastern.com Website: www.al-labs-eastern.com

Date	Account#
10/5/10	

Grower/Project Information

DAVID MILLER

Field ID | Farm ID

___MasterCard ___VISA Card #: Exp. Date:

E-mail address

Customer Information

MECKLENBURG Submitted By County

Groundwater & Wastewater Services

700 N. Tryon Street, Suite 211 Charlotte, NC 28202

Send report to: ____Grower X Submitter; X e-mail ___ paperless

-Charge To-

Need Percent Sand, Silt, & Clay By Hydrometer Method

Phone: (704) 336-5572

Jeremy.Michelone@MecklenburgCountyNC.gov

Fill In This Section If Recommendations are needed

Sample ID	Lab Number (Lab Use Only)	S1	S2	S3	S23	S5	S6	SA1	SA10	Text-ure	Additional Test	Crop to be Grown	Yield Goal	Previous Crop/Yield	Lime Yr.-T	Sample Depth	Check if irrigated
A-1															-		__ Drip __Sprinkler
A-2															-		__ Drip __Sprinkler
A-3															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
Please Contact Jeremy Michelone @ (704) 336-5572 WITH Any questions. Thank You, Jeremy															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler
															-		__ Drip __Sprinkler

Mehlich III Test Packages: For VA, PA, NY, MD nutrient management programs

S1 - Organic matter, estimated nitrogen release, phosphorus, potassium, magnesium, calcium, pH, buffer pH, hydrogen, cation exchange capacity, and % base saturation.
S2 - Test S1 plus Soluble Salts and Sodium
S3 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), manganese(Mn), copper(Cu), and iron(Fe).
S23 (complete test) -Test S3 plus Soluble Salts and Sodium
S5 - Test S1 plus Sulfur(S) and zinc(Zn)
S6 - Test S1 plus Sulfur(S), boron(B), zinc(Zn), and manganese(Mn)

Soil Test Packages using Ammonium Acetate and Bray P

SA1 - Organic matter, estimated nitrogen release, phosphorus (P1,P2), potassium, magnesium, calcium, pH, buffer pH, hydrogen, cation exchange capacity, and % base saturation
SA10 - Same as S1A without P2 phosphorus.
SA2 - SA1 plus soluble salts and sodium.
SA3 - Sulfur, boron, zinc, manganese, copper, and iron
SA5 - Sulfur and zinc
SA6 - Sulfur, boron, zinc and manganese.

CUSTOMER'S COPY

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/15/10	**Amount:**	250.00
Receipt #:	69344	**Tendered:**	250.00
Check / Auth #:	CHECK 1715	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: SOUTIER HAROLD R
Attn:
Address: 5121 WINDING BROOK RD
Address:
City/State/Zip: CHARLOTTE, NC 28226

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 18016 BROKEN WOODS RD		1	250.00	250.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
107.21					