Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 7586B WASPS App #: 3180

Primary ES assigned to project: OJ

Secondary ES assigned to project: _____

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 5			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 3	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐

Operation Permit

.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: IR Date performed: 4/10/09

FILE NUMBER: 7586

SEPTIC FEE: 200.00
DATE: 1/24/08 CK

Revised On: August 31, 2007

APPLICATION NUMBER: 3180

WELL FEE:
DATE:

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES
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:** ☐ NONE ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ☐ NONE ☒ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. **JOB LOCATION INFORMATION:**
TAX PARCEL NUMBER: 02322031D
STREET ADDRESS: Arthur Auten Rd.
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME:
LOT #: LOT SIZE (acres): 2.5
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: 4
NUMBER OF OCCUPANTS:
FOUNDATION TYPE:
☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. **IF PLANNING TO EXPAND OR ALTER THE EXISTING 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 ☐ PUBLIC WELL ☒ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

7. **PROPOSED USE OF WELL:** ☐ N/A ☐ IRRIGATION ☒ POTABLE ☐ GEOTHERMAL ☐ OTHER

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

	☒ ANY TYPE	☐ CONVENTIONAL	☐ ACCEPTED	☐ INNOVATIVE	☐ ALTERNATIVE	☐ OTHER
8A. RANK:	1					

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

10. **PROPERTY OWNER:**
NAME: Beverly Binkley Green
ADDRESS: 11500 Arthur Auten Rd.
CITY: Huntersville
STATE: NC ZIP: 28078
HOME PHONE: 704-875382 WORK PHONE: 704
MOBILE PHONE: 704-926-9848 FAX: 704-6860601

11. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

12. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 1990
13. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** _____

14. **SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:**
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 60 months or is non-expiring depending upon the documentation submitted; complete site plan = 60 months, complete plat = non-expiring.

Property Owner's or Owner's Legal Representative Signature Date 01-24-08

15. **WELL PERMIT APPLICATION SIGNATURE SECTION:**
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 12 months from the date of issuance.

Property Owner's or Owner's Legal Representative Signature Date

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

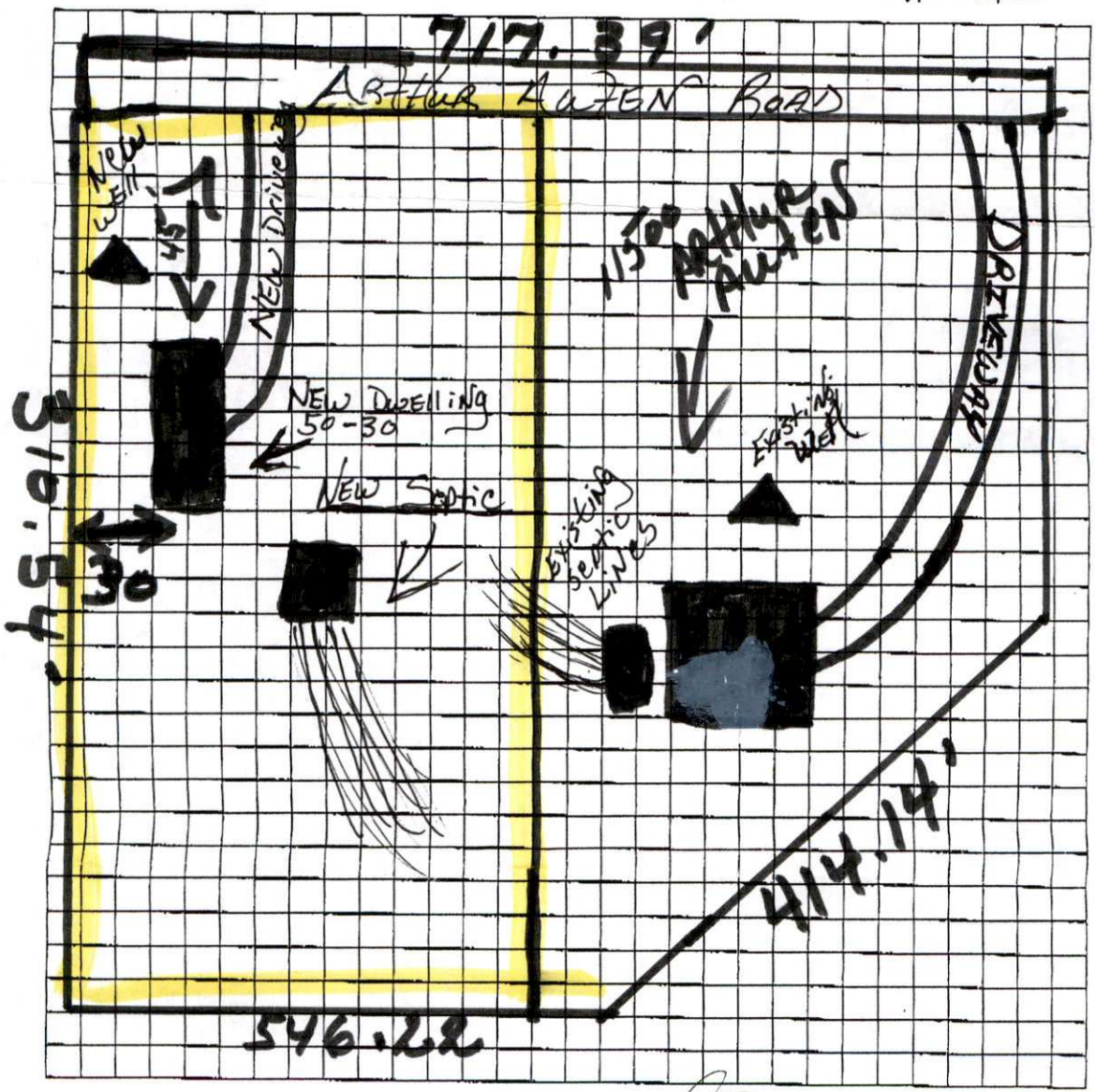
Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # 7586
Date

023-222-03 PA

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature	
Date	January 24, 2008 01-24-08

LBC 12/15/04

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

Sheet: 1 of 2
Property ID: PO 023-222-03
Lot #:
File #: 7586B
AppID: 3180

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Beverly Binkley Green
Applicant:
Address: 11500 Arthur Auten Road, Huntersville, N. C. 28078
Date Evaluated: 2/5/08
Proposed Facility: Residence
Design Flow (.1949) 480 gpd
Property Size: 2 acres
Location of Site: Arthur Auten 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 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-7	GR/CL	FR/SEXP/SS/SP	>54" TO SOIL WETNESS	20	PS	NONE	US
		7-20	SBK/ABK/C	FI-VFI/EXP/S/VP					
		20-54	M/SCL	FR/SEXP/SS/SP					
		FI-VFI	SAPROLITE	INCLUSIONS					
2	"	0-9	GR/CL	FR/SEXP/SS/SP	>52" TO SOIL WETNESS	23	"	"	"
		9-23	SBK/ABK/C	FI-VFI/EXP/S/VP					
		23-52	M/SL	VFI/SEXP/NS/NP					
3	"	0-10	GR/CL	FR/SEXP/SS/SP	>53" TO SOIL WETNESS	26	"	"	"
		10-26	SBK/ABK/C	FI-VFI/EXP/S/VP					
		26-53	M/CL	FR/SEXP/SS/SP					
4	"	0-7	GR/CL	"	>57" TO SOIL WETNESS	21	"	"	"
		7-21	ABK/C	FI-VFI/EXP/S/VP					
		21-43	M/CL	FR/SEXP/SS/SP					
		43-57	"	FI/SEXP/SS/SP					
5	"	0-16	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	25	"	"	"
		16-25	ABK/SBK.C	FI-VFI/EXP/S/VP					
		25-48	M/CL	FI-VFI/SEXP/SS/SP					
					NO LTAR GIVEN				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III g	III g
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/6/2008,
Others Present: G. Smith
Site Classification (.1948): P.S.
Site Evaluation By: Thompson Environmental
Others Present:

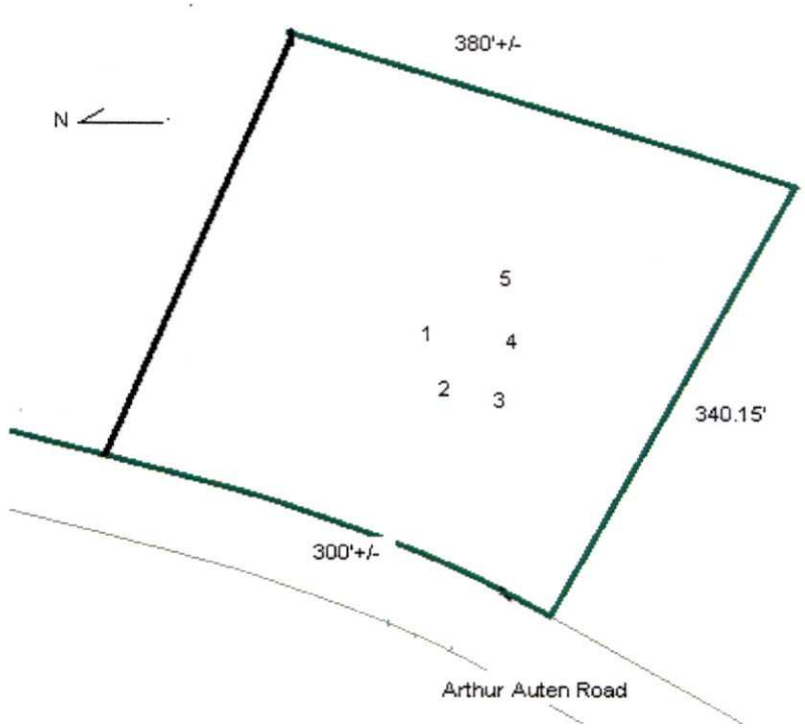
COMMENTS:

Additional soil sampling conducted by Thompson Environmental Con:

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



Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30003180** GWS File #: **7586B** Tax Parcel #: **023-222-03**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 4/10/2013

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 2

Building Foundation: Water Supply: Private Well

II. Initial System Type: Approved **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Distribution Box

III. Repair System Type: Approved **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Distribution Box

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____

Signature: Jeremy Michelone, R.S. Signature: George P. Smith

Print Name

Date Issued: 4/10/2008

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30003180** GWS File #: **7586B**

IV. Permit Conditions/Comments:

- This Improvement Permit is being issued based on a supplemental soil investigation performed by staff from our office.
- All components of the septic system must be located at least 100 ft. from all private wells (saprolite system).
- Additional soil work was conducted by Thompson Environmental Consultants. The scope of his work included Particle Size Analysis.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone

Signature: Jeremy Michelone, R.S.

Date Issued: 4/10/2008

Owner/Legal Agent: _____

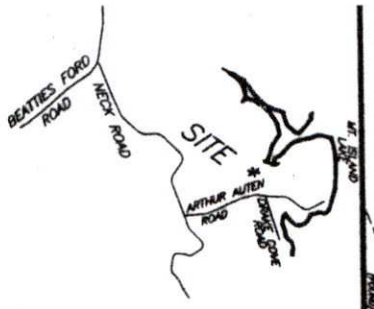
Print Name

Signature: Henry P Smith

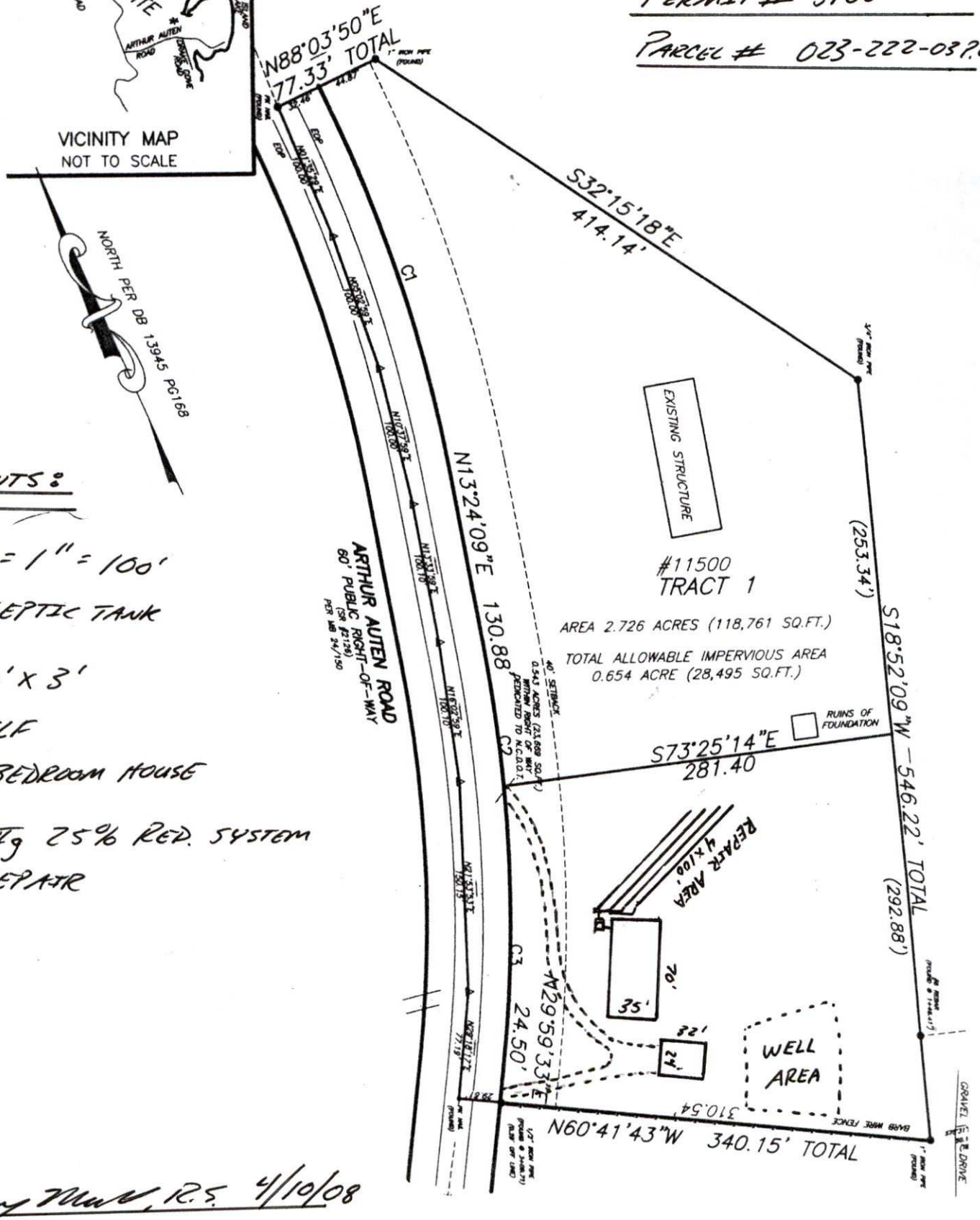
FILE # 7586B

PERMIT # 3180

PARCEL # 023-222-03 P.O.



VICINITY MAP
NOT TO SCALE



NORTH PER DB 13945 PG168

COMMENTS:

→ SCALE = 1" = 100'

→ 1500 SEPTIC TANK

→ 4 x 100' x 3'

→ 400 TLF

→ FOUR BEDROOM HOUSE

→ TYPE IIIg 25% RED. SYSTEM & REPAIR

Jimmy Mask, R.S. 4/10/08

George L. Sanders

MECKLENBURG COUNTY
Health Department

Febuary 12, 2008

Beverly Binkley Green
11500 Arthur Auten Road
Huntersville, NC 28078

Re: Application for improvement permit for:
Property Site: Arthur Auten Road
Health Department file number: **7586B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on Febuary 12, 2008 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 two bedroom house, with a daily design flow of 240 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 Febuary 12, 2008. 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,

Jeremy Michelone, R.S.
Authorized Agent - DENR

Encl: (2)

PENNSTATE

(814) 863-0841 Fax (814) 863-4540

Agricultural Analytical Services Laboratory
The Pennsylvania State University
University Park PA 16802
http://www.aasl.psu.edu

SOIL TEST REPORT FOR:		ADDITIONAL COPY TO:
MR LARRY THOMPSON THOMPSON ENVIRONMENTAL CONSULTING INC. 114 ORCHARD RIDGE RD LOCUST NC 28097		
DATE RECEIVED	**DATE COMPLETE**	**COUNTY**
02/18/2008	**02/20/2008**	**OUT OF STATE**

Particle Size Analysis

Customer ID	Lab ID	Sand %	Silt %	Clay %	Soil Textural Class
11500 Arthur Auten Pit 1	S07-24586	76.7	12.3	11.0	Sandy Loam X
11500 Arthur Auten Pit 3	S07-24587	38.3	34.1	27.7	Clay Loam
11500 Arthur Auten Pit 4	S07-24588	40.8	32.6	26.6	Loam X
11500 Arthur Auten Pit 5	S07-24589	52.9	25.0	22.1	Sandy Clay Loam

PENNSTATE

(814) 863-0841 Fax (814) 863-4540

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University Park PA 16802
http://www.aasl.psu.edu

SOIL TEST REPORT FOR:		ADDITIONAL COPY TO:
MR LARRY THOMPSON THOMPSON ENVIRONMENTAL CONSULTING INC. 114 ORCHARD RIDGE RD LOCUST NC 28097		
DATE RECEIVED	**DATE COMPLETE**	**COUNTY**
03/03/2008	**03/06/2008**	**OUT OF STATE**

Particle Size Analysis

Customer ID	Lab ID	Sand %	Silt %	Clay %	Soil Textural Class
ARTHUR AUTEN PIT 9	S07-25816	55.1	28.5	16.5	Sandy Loam X
ARTHUR AUTEN PIT 10	S07-25817	49.5	30.7	19.8	Loam X
ARTHUR AUTEN PIT 6	S07-25818	59.1	23.8	17.1	Sandy Loam x
195-016-01	S07-25819	33.7	32.7	33.6	Clay Loam

Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097-8748
704-301-4881

SHEET 1 OF 1

COUNTY: Mecklenburg
TAX ID: PO 023-222-03

OWNER: Beverly Green
LOCATION: 11500 Arthur Auten Road

DATE: February 28, 2008

PROFILES		Pit 6	Pit 7	Pit 8	Pit 9	Pit 10					
LANDSCAPE POSITION	.1940	ls	ls	ls	ls	ls					
SLOPE (%)	.1940	5%	5%	5%	5%	5%					
HORIZON 1 DEPTH	.1943	0-12	0-12	0-13	0-9	0-12					
TEXTURE	.1941 (a)(1)	sl	sl	sl	sl	sl					
CONSISTENCE	.1941	fr	fr	fr	fr	fr					
STRUCTURE	.1941 (a)(2)	gr	gr	gr	gr	gr					
CLAY MINERALOGY	.1941 (a)(3)	-	-	-	-	-					
HORIZON 2 DEPTH	.1943	12-36	12-22	13-30	9-22	12-30					
TEXTURE	.1941 (a)(1)	c	c	c	c	c					
CONSISTENCE	.1941	vfi	vfi	vfi	vfi	vfi					
STRUCTURE	.1941 (a)(2)	m	m	m	m	m					
CLAY MINERALOGY	.1941 (a)(3)	e	e	e	e	e					
HORIZON 3 DEPTH	.1943	32-60+	22-60+	30-60+	22-60+	30-60+					
TEXTURE	.1941 (a)(1)	sl	sl	sl	sl	l					
CONSISTENCE	.1941	fi	fi	fi	fi	fi					
STRUCTURE	.1941 (a)(2)	gr	gr	gr	gr	gr					
CLAY MINERALOGY	.1941 (a)(3)	-	-	-	-	-					
HORIZON 4 DEPTH	.1943										
TEXTURE	.1941 (a)(1)										
CONSISTENCE	.1941										
STRUCTURE	.1941 (a)(2)										
CLAY MINERALOGY	.1941 (a)(3)										
SOIL WETNESS	.1942										
RESTRICTIVE HORIZON	.1944										
SAPROLITE	.1943/.1956	32	22	30	22	30					
CLASSIFICATION	.1948										
L.T.A.R. (gpd/ft^2)	.1955										

OTHER FACTORS (.1946):	**SITE LTAR (gpd/ft^2):**
AVAILABLE SPACE (.1945):	
SITE CLASSIFICATION (.1948):	SYSTEM TYPE:
EVALUATED BY: Larry Thompson	OTHERS PRESENT: George Smith
COMMENTS: Samples taken in Pits 6, 9 and 10 for textural analysis	

11500 Arthur Auten Road
Pit Locations

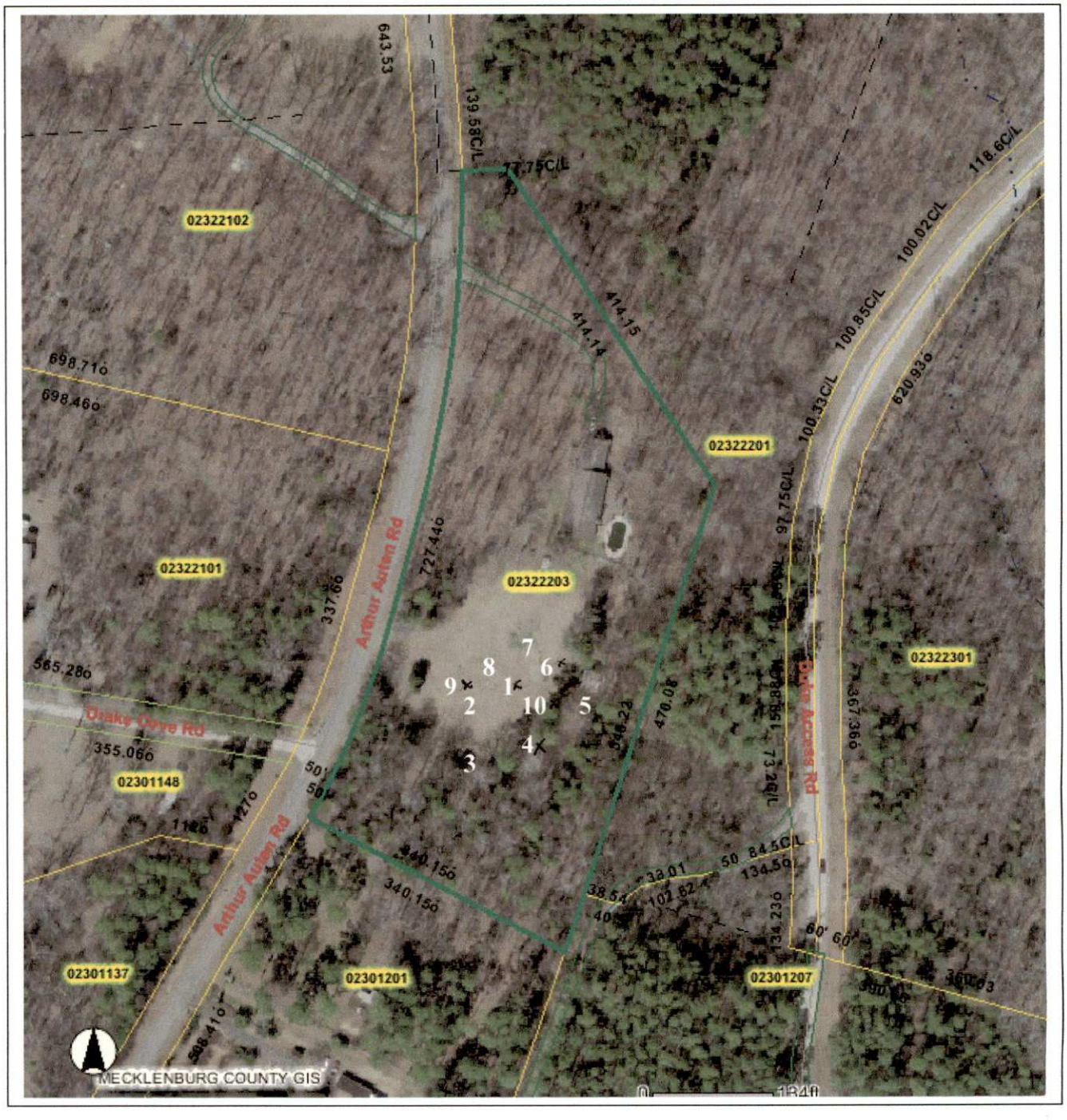


Figure 1

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

George Smith 704-309-9625

Sheet: 1 of 2
Property ID: PO 023-222-03
Lot #:
File #: 7586B
AppID: 3180

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Beverly Binkley Green
Applicant:
Address: 11500 Arthur Auten Road, Huntersville, N. C. 28078
Date Evaluated: 2/5/2008
Proposed Facility: Residence Design Flow (.1949) 240gpd
Property Size: 3.0a+/-
Location of Site: Arthur Auten 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 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-7	GR/CL	FR/SEXP/SS/SP	>54" TO SOIL WETNESS	20	US	NONE	US
		7-20	SBK/ABK/C	FI-VFI/EXP/S/VP					
		20-54	M/SCL	FR/SEXP/SS/SP					
		FI-VFI	SAPROLITE	INCLUSIONS					
2	"	0-9	GR/CL	FR/SEXP/SS/SP	>52" TO SOIL WETNESS	23	"	"	"
		9-23	SBK/ABK/C	FI-VFI/EXP/S/VP					
		23-52	M/SL	VFI/SEXP/NS/NP					
3	"	0-10	GR/CL	FR/SEXP/SS/SP	>53" TO SOIL WETNESS	26	"	"	"
		10-26	SBK/ABK/C	FI-VFI/EXP/S/VP					
		26-53	M/CL	FR/SEXP/SS/SP					
4	"	0-7	GR/CL	"	>57" TO SOIL WETNESS	21	"	"	"
		7-21	ABK/C	FI-VFI/EXP/S/VP					
		21-43	M/CL	FR/SEXP/SS/SP					
		43-57	"	FI/SEXP/SS/SP					
5	"	0-16	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	25	"	"	"
		16-25	ABK/SBK.C	FI-VFI/EXP/S/VP					
		25-48	M/CL	FI-VFI/SEXP/SS/SP					
					NO LTAR GIVEN				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/6/2008,
Others Present: G. Smith
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
100% repair

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				
FP-Flood Plain		CL-Clay Loam		
		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

