5714B

Supervisor/Administrative Professional Checklist

New Septic ☑ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) Qwo 6/4/14 Initials/Date

CA ($200.00) _____ Initials/Date

OP ($200.00) _____ Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☑ Reviewed ☐ ____

This site is served by septic and well. Verify each is complete before final hold is released. ☑

Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☑ Signature received. ☑ _____

This septic system requires a certified operator contract before final hold is released. ☑

Certified operator contract is on file. ☐ _____

5794
Deed B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App # 6873

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: 019-42-117
STREET ADDRESS: 15622 Mac Wood Rd
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: Mac Woods
LOT #: 2 LOT SIZE (acres): 1
TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ☑ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:
BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
☑ HOUSE ○ OTHER
HEATED SQUARE FOOTAGE: 2650
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 4
FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
☑ CRAWL SPACE ○ BASEMENT 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? 2/8/05 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 6/13/2014 ☐ N/A

12. PROPERTY OWNER:
NAME: ANWAR KARIM
ADDRESS: 16434 GRAPPENHALL DR
CITY: HUNTERSVILLE
STATE: NC ZIP: 28078
WORK PHONE: _____
MOBILE PHONE: 704-728-6162
FAX: _____
E-MAIL: brake tech @ live.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Walter Gabbie
ADDRESS: 10232 Williamson Rd
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: _____
MOBILE PHONE: 704-390-6000
FAX: _____
E-MAIL: bdoggator@ydhoo.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5100, FAX: 704-336-6894

Revised on: 12/15/10

Linda.Sader@Mecklenburgcountync.gov

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. _____ (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. A PROPOSED PLOT PLAN is required to be submitted with each application.

_____ 6/3/14

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 FEE RECEIVED: $ 250 DATE FEE RECEIVED: 6/4/14

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

APPLICATION PROCESSED BY: lwa

GWS FILE NUMBER ASSIGNED: 2901B

APPLICATION ID NUMBER ASSIGNED: 6873

COMMENTS:

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

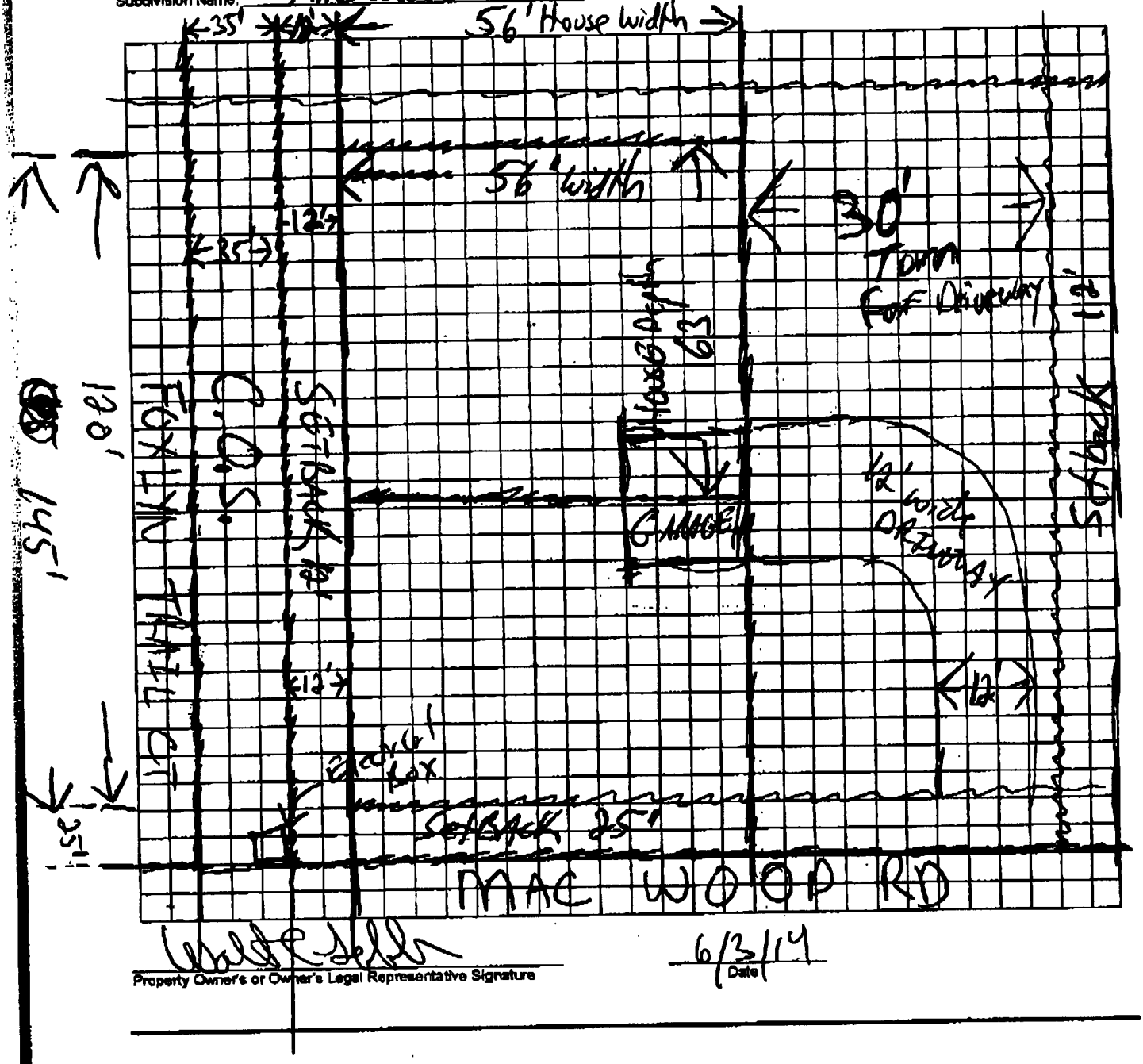
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15622 Mac Wood Rd Tax Parcel #: 019-42-117

Subdivision Name: Mac Woods Lot #: 2



Property Owner's or Owner's Legal Representative Signature

6/3/14
Date

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

Revised on: 12/15/10

MECKLENBURG COUNTY
Health Department

E. Winters Mabry, MD
Director

(704) 432-3199

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that: Walter Gobble is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

15622 Mt. Woods Rd Huntersville
Number Street Town
Or Parcel Number

Property Owner (print name)

Property Owner (signature)

5-30-2014
Date

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

Sheet: 1 of 2
Property ID: 019-421-17
Lot #: 2
File #: 5794B
AppID: 6873

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Anwar Karim
Address: 16434 Grapperhall Dr, Huntersville, NC 28078
Proposed Facility: 3 Bedroom Residence
Design Flow (.1949): 360 GPD
Location of Site: 15622 Macwood Rd., Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Walter Gobble
Date Evaluated: 12/12/2014
Property Size: 1.67 ac
Property Recorded: 2/8/05

Profile ID #	1940 Landscape Position/ Slope%	Horizon Depth (IN)	SOIL MORPHOLOGY 1941		PROFILE FACTORS				General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 24" Wide Conventional Trench
			1941 Structure/ Texture	1941 Consistence, Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN)	1956 Saprist Class	1944 Restr Horiz			
Pit	LS	0 - 10	Fill							PS IV for	
#1	5%	10 - 32	mass C	S VP VFI EXP	2 chroma	32	PS	NA		sand lined	48 - 60"
		32 - 48	mass SCL Sap	S P FI SEXP	12 - 32"		from			trench @	
		48 - 86	mass SL Sap	SS SP FI/FR SEXP			48-86"			0.2*	
Pit	LS	0 - 9	Fill							PS IV for	
#2	2%	9 - 17	mass C	S VP VFI EXP	2 chroma	17	PS	NA		sand lined	33 - 60"
		17 - 33	mass SCL Sap	S P FI SEXP	9 - 17"		from			trench @	
		33 - 86	mass SL Sap	SS SP FI/FR SEXP			33-86"			0.2*	
Pit	LS	0 - 18	Fill							PS IV for	
#3	9%	18 - 24	mass C	S VP VFI EXP	2 chroma	24	PS	NA		sand lined	36 - 60"
		24 - 36	mass SCL Sap	S P FI SEXP	18 - 24"		from			trench @	
		36 - 87	mass SL Sap	SS SP FI/FR SEXP			36-87"			0.2*	
Pit	LS	0 - 7	gr SL	SS SP FR SEXP							
#4	10%	7 - 31	wmsbk C	S VP FI EXP	>36"	31	US	NA		US	NA
		31 - 36	mass SCL Sap	S P VFI EXP							
Pit	LS	0 - 9	Fill							PS IV for	
#5	4%	9 - 24	mass C	S VP VFI EXP	2 chroma	17	PS	NA		sand lined	33 - 60"
		24 - 43	mass SCL Sap	S P FI SEXP	9 - 24"		from			trench @	
		43 - 85	mass SL Sap	SS SP FI/FR SEXP			33-86"			0.2*	

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	V	V
Site LTAR (gpd/sq ft)	**0.2**	**0.3***

***PROVISIONALLY SUITABLE for an LTAR of 0.3 if LPP Sand lined trench system is used.**
with Pretreatment TS-I,

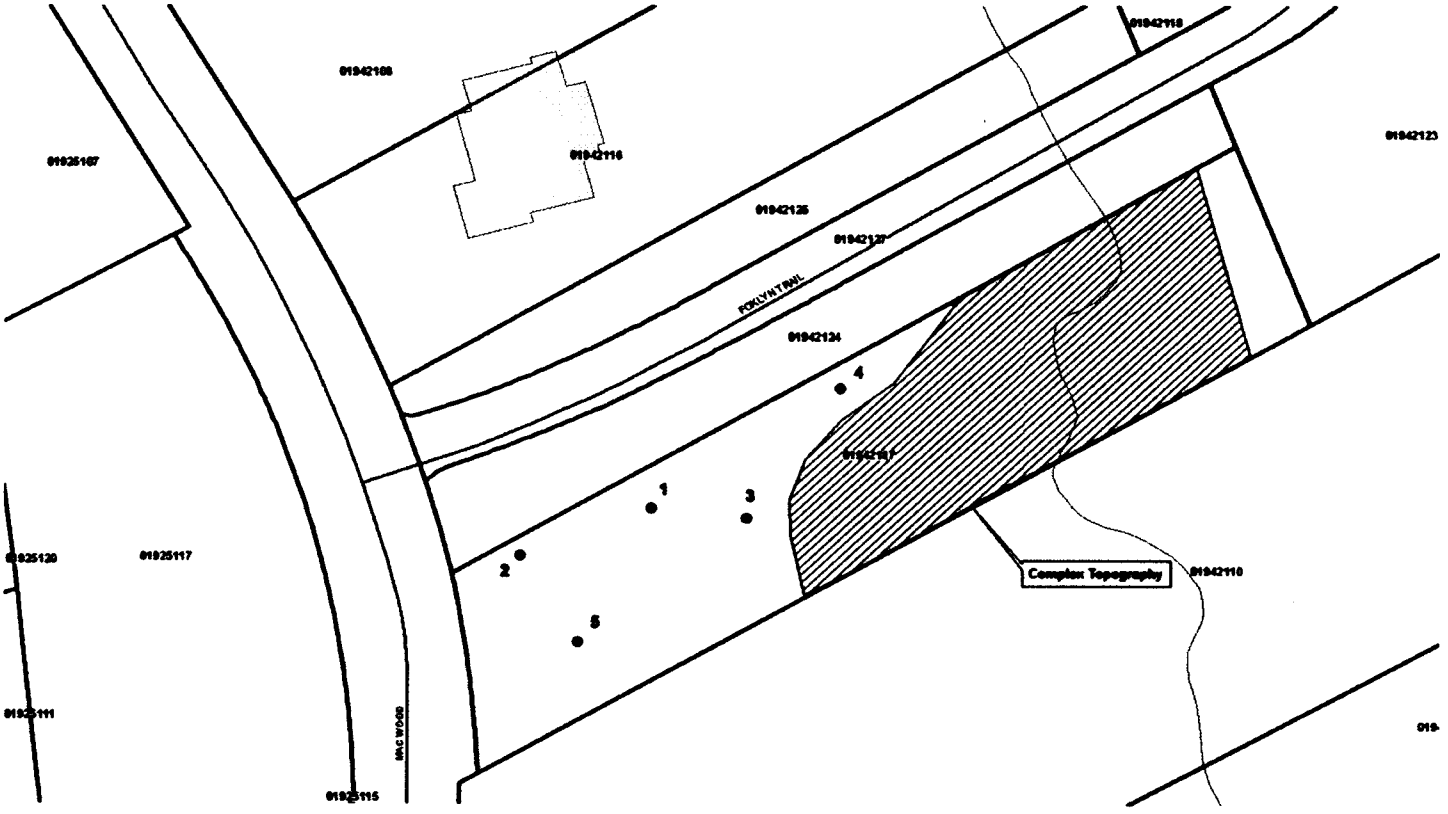
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHS, LSS
Others Present: Joe Lynn, LSS
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Jacob Presley, REHS, LSS
Others Present:

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		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
		SiL-Silt Loam		m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/04/14	**Amount:**	250.00
Receipt #:	89693	**Tendered:**	250.00
Check / Auth #:	MC 07394P	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #:	200000
Contractor:	GOBBLE WALTER
Attn:	
Address:	10232 WILLINGHAM RD
Address:	
City/State/Zip:	HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 15622 MAC WOOD RD		1	250.00	250.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
240.00	205.00	650.00	565.00	869.65	

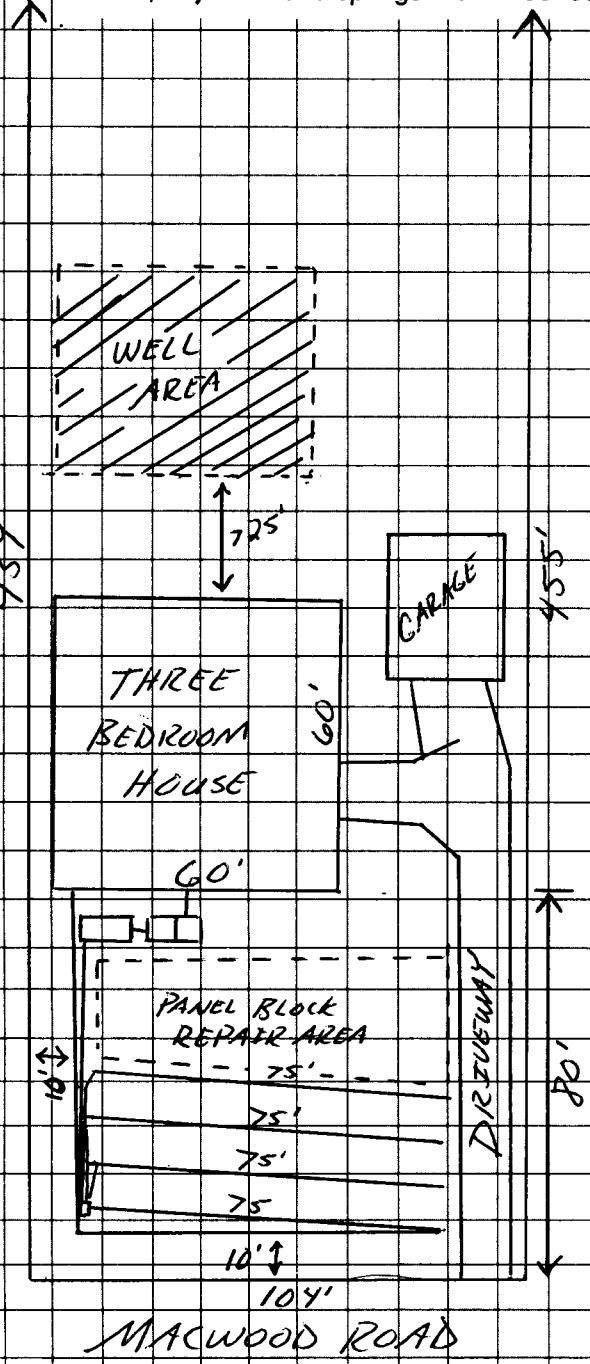
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 57943

TC: 019-421-09 PO

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



COMMENTS:

- → SCALE = 1" = 40'
- → SYSTEM DESIGNED FOR A THREE (3) BEDROOM HOUSE
- → HOUSE LOCATED 80' OFF FRONT PROPERTY LINE
- → 1500 ST
- → 1000 PT
- → INSTALL 4 LINES x 75' x 3' x 12" STONE
- → 0.4 LTAR
- → TYPE IIIb PUMP TO CONVENTIONAL SYSTEM
- → 300 TLF
- → TYPE IIIb PUMP TO PANEL BLOCK REPAIR SYSTEM
- → PRESSURE MANIFOLD DISTRIBUTION
- → A WELL PERMIT WILL NEED TO BE ISSUED PRIOR TO CONSTRUCTION AUTHORIZATION RELEASE
- → INSTALL TRENCHES 36" DEEP INTO SAPROLITE

Lisa Larson
OWNER/AGENT SIGNATURE
DATE 1/18/05

APPROVAL DATE Tommy Mitchell, R.S.
1/13/05

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

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

Sheet: 1 of 2
Property ID: 019-421-17
Lot #: 2
File #: 5794B
AppID: 6873

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Anwar Karim
Applicant: Walter Gobble
Address: 16434 Grapperhall Dr, Huntersville, NC 28078
Date Evaluated: 6/6/2014
Proposed Facility: 4 Bedroom Residence
Design Flow (.1949): 480 GPD
Property Size: 1 ac
Location of Site: 15622 Macwood Rd., Huntersville, NC 28078
Property Recorded: 2/8/05
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE Log #	a. 1956 Landscape Position / Slope %	Horizon Depth (IN)	SOIL MORPHOLOGY 1941		b. PROFILE FACTORS				General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN)	1956 Saprq Class	1944 Restr Horiz			
Boring #1	LS 2%	0 - 10	gr SCL	FR SEXP	>30"	20	NA	NA		US	NA
		10 - 20	mass C	VFI EXP							
		20 - 30	mass SCL Sap								
Boring #2	LS 4%	0 - 10	gr SCL	FR SEXP	>25"	25	NA	NA		US	NA
		10 - 25	mass C	VFI EXP							
Boring #3	LS 10%	0 - 25	Fill soil		NA	0	NA	NA		US	NA
Boring #4	LS 10%	0 - 10	gr SCL	FR SEXP	>20"	20	NA	NA		US	NA
		10 - 20	wfsbk C	VFI EXP							

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

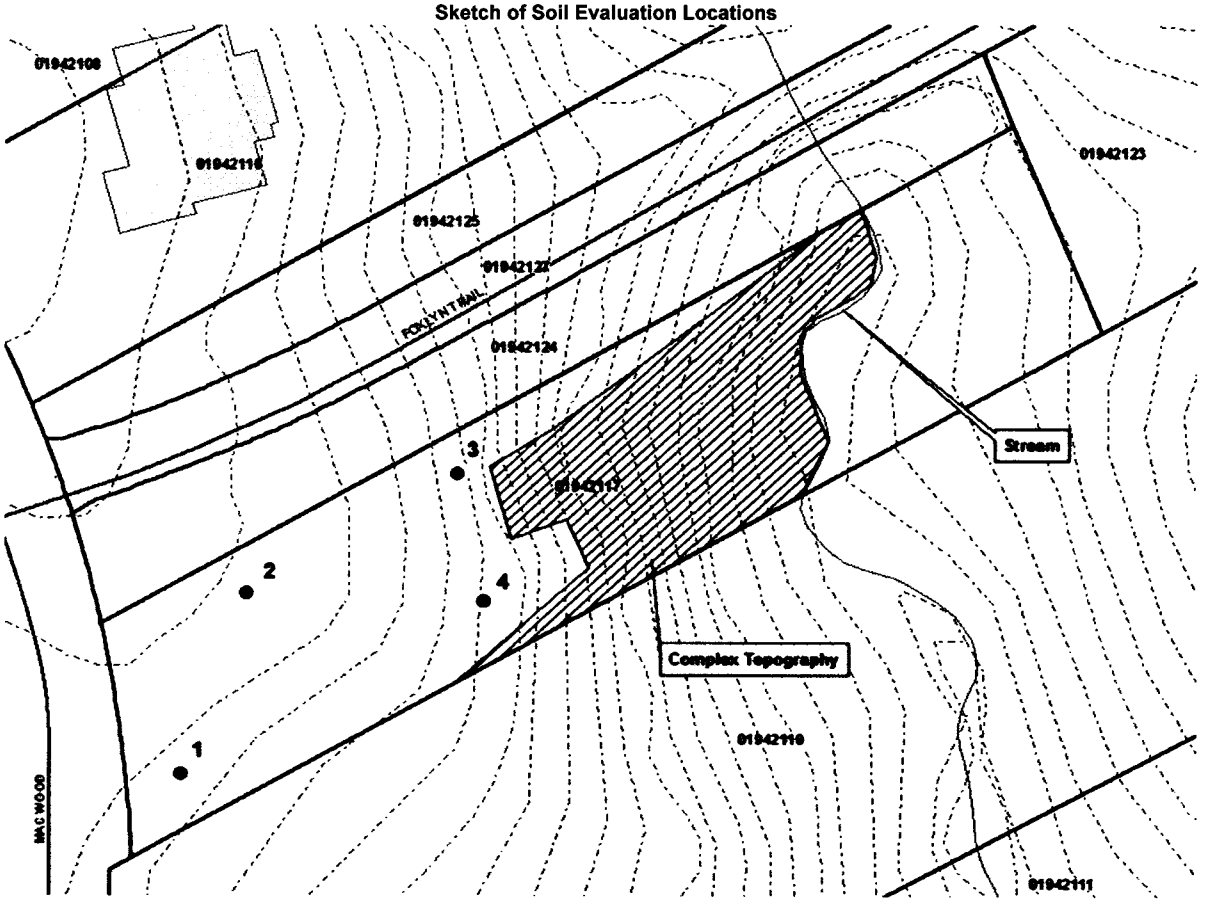
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHSI, LSS
Others Present:
Site Classification (.1948): Unsuitable
Site Evaluation By: Jacob Presley, REHSI, LSS
Others Present:

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		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
		SiL-Silt Loam		m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



CONDITIONS OF IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATON

Permit Number: **5794B** Tax Number: **01942109 PO**

- The 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.

Basement: ☐ Yes ☒ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☒ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☐ Innovative or Experimental:

0.4 Long-term acceptance rate (GPD/ft^2)	360 Max gallons/day wastewater flow	900 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☒ Yes ☐ No	1500 Gallon septic tank	300 Total trench length (ft)	40 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
3 Bedrooms in residence	1000 Gallon pump tank	12 Depth of stone (in)	

Any surface water present: **Yes** Type: **Creek** Minimum separation distance (ft): **50**

Additional conditions:

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☒ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☐ Innovative or Experimental:

450 Absorption Area (ft^2) 150 Total trench length (ft)	NA Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	40 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage Treatment, and Disposal Systems in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

Tommy Mickle, R.S. 1/13/05
DENR Authorized Agent Date

Lisa Yarnell 1/18/05 LK
Owner/Agent Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
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

IWWS-100195

FEE: _____
DATE: _____

AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION

PERMIT NUMBER: 5794B
PARCEL NUMBER: 019-421-09 PO

JOB LOCATION ADDRESS: 15622 MacWood Road
PROPERTY OWNER: Anwar Karim
BUILDING CONTRACTOR: ____
SUBDIVISION NAME: Lot #2
AUTHORIZATION ISSUED BY: Jeremy Michelone, R.S. DATE: 01/13/05

Jeremy Michelone, R.S.
DENR/DEH AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

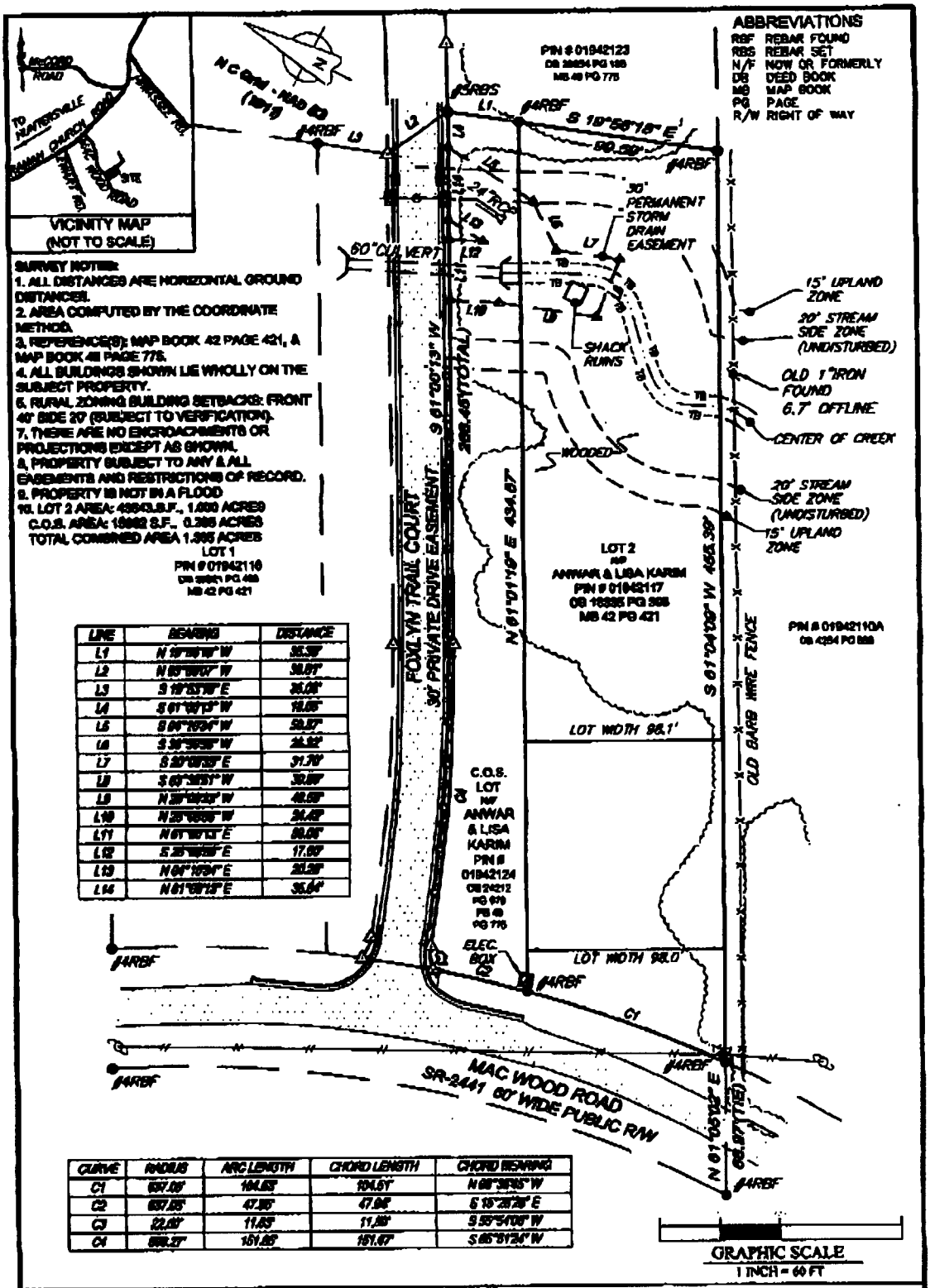
1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 5794B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN *INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL* MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

5. OTHER CONDITIONS:



LINE	BEARING	DISTANCE
L1	N 19°56'18" W	35.39'
L2	N 69°39'07" W	39.81'
L3	S 19°53'59" E	35.08'
L4	S 61°39'13" W	19.85'
L5	S 64°10'04" W	50.37'
L6	S 39°39'58" W	24.92'
L7	S 20°08'58" E	31.70'
L8	S 61°39'01" W	30.89'
L9	N 28°48'49" W	49.89'
L10	N 25°46'06" W	34.49'
L11	N 61°39'13" E	80.06'
L12	S 28°48'58" E	17.89'
L13	N 64°10'04" E	20.39'
L14	N 61°39'13" E	35.64'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	697.09'	164.65'	164.31'	N 68°36'05" W
C2	697.65'	47.96'	47.96'	S 19°28'28" E
C3	22.69'	11.65'	11.59'	S 55°54'06" W
C4	666.27'	151.65'	151.67'	S 65°51'24" W

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN DB 14239 PG 323 & DB 24212 PG 679); THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION IN MAP BOOK 42, PAGE 421 & MAP BOOK 48, PAGE 775; THAT THE RATIO OF PRECISION AS CALCULATED EXCEEDS 1:10,000; THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600).
WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL
THIS 2nd DAY OF JUNE, A.D. 2014

NORTH CAROLINA PROFESSIONAL SEAL L-4912 LAND SURVEYOR TIMOTHY S. GUISEWHITE

6/2/14

TIMOTHY S. GUISEWHITE, PLS
NORTH CAROLINA REGISTRATION NUMBER L-4912

SURVEY OF PROPERTY for:

TERRY GOBBLE

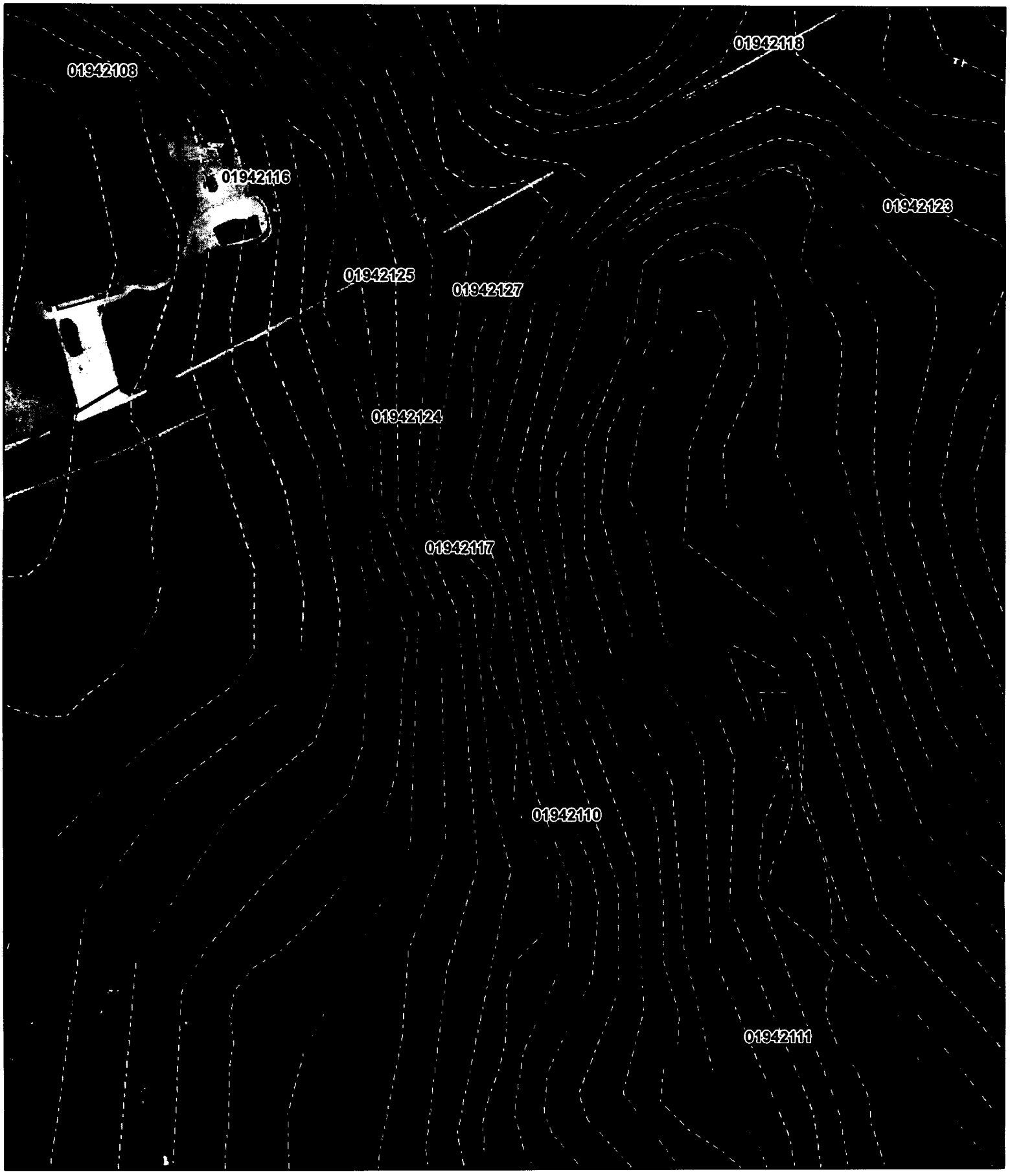
15622 MAC WOOD ROAD

LOT 2, MAC WOODS SUBDIV. & C.O.S. LOT FOXLYN WOODS SUBDIV.
TOWN OF HUNTERSVILLE
MECKLENBURG COUNTY, NC

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
709 FOREST POINT CIRCLE, SUITE 110, CHARLOTTE, NC 28273
TELEPHONE: (704) 527-0838 FAX: (704) 527-2939
N.C. Registration Number P0563 www.taylorwiseman.com

SCALE: 1"=60'	DATE: MAY 30th, 2014	FILE: 49-119,0001.00
DRAWN BY: TSG	CHECKED BY: TWP	SHEET: 1 / 1

Parcel # 019-42-117
File # 2901B
AppID: 6873



Map Created By:
Map Created On:

0 30 60 Feet

N

MECKLENBURG COUNTY
Health Department

Marcus Plescia, MD, MPH
Health Director

(704) 336-4700

June 10, 2014

Anwar Karim
16434 Grapperhall Dr
Huntersville, NC 28078

Re: Application for improvement permit for: 4 Bedroom House
Property Location: 15622 Mac Wood Rd, Huntersville, NC 28078 (PIN 01942117)
Health Department File Number: **5794B AppID 6873**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on June 6th, 2014 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 4 Bedroom House, with a daily design flow of 480 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.

MECKLENBURG COUNTY

Marcus Plescia, MD, MPH **Health Department** **(704) 336-4700**
Health Director

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 Health and Human Services 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) 431-3000 or from the OAH web site at http://www.oah.state.nc.us/hearings. 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 June 10, 2014. 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,

Jacob Presley, REHSI
Sr. Environmental Specialist

Encl: (2)

History Note: *Authority G.S. 130A-335(e);*
Eff. July 1, 1982;
Amended Eff. January 1, 1990.

15A NCAC 18A .1947 DETERMINATION OF OVERALL SITE SUITABILITY

All of the criteria in Rules .1940 through .1946 of this Section shall be determined to be SUITABLE, PROVISIONALLY SUITABLE, or UNSUITABLE, as indicated. If all criteria are classified the same, that classification will prevail. Where there is a variation in classification of the several criteria, the most limiting uncorrectable characteristics shall be used to determine the overall site classification.

History Note: *Authority G.S. 130A-335(e);*
Eff. July 1, 1982;
Amended Eff. January 1, 1990.

15A NCAC 18A .1948 SITE CLASSIFICATION

(a) Sites classified as SUITABLE may be utilized for a ground absorption sewage treatment and disposal system consistent with these Rules. A suitable classification generally indicates soil and site conditions favorable for the operation of a ground absorption sewage treatment and disposal system or have slight limitations that are readily overcome by proper design and installation.

(b) Sites classified as PROVISIONALLY SUITABLE may be utilized for a ground absorption sewage treatment and disposal system consistent with these Rules but have moderate limitations. Sites classified Provisionally Suitable require some modifications and careful planning, design, and installation in order for a ground absorption sewage treatment and disposal system to function satisfactorily.

(c) Sites classified UNSUITABLE have severe limitations for the installation and use of a properly functioning ground absorption sewage treatment and disposal system. An improvement permit shall not be issued for a site which is classified as UNSUITABLE. However, where a site is UNSUITABLE, it may be reclassified PROVISIONALLY SUITABLE if a special investigation indicates that a modified or alternative system can be installed in accordance with Rules .1956 or .1957 of this Section.

(d) A site classified as UNSUITABLE may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as PROVISIONALLY SUITABLE if the local health department determines that the substantiating data indicate that:

(1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
(2) the effluent will not contaminate groundwater or surface water; and
(3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

History Note: *Authority G.S. 130A-335(e);*
Eff. July 1, 1982;
Amended Eff. April 1, 1993; January 1, 1990.

15A NCAC 18A .1949 SEWAGE FLOW RATES FOR DESIGN UNITS

(a) In determining the volume of sewage from dwelling units, the flow rate shall be 120 gallons per day per bedroom. The minimum volume of sewage from each dwelling unit shall be 240 gallons per day and each additional bedroom above two bedrooms shall increase the volume of sewage by 120 gallons per day. In determining the number of bedrooms in a dwelling unit, each bedroom and any other room or addition that can reasonably be expected to function as a bedroom shall be

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