IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

PERMIT # 22838

SEPTIC IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4646967838~~26~~

APPLICANT/OWNER: Gabriel Barnhardt

APPLICANT ADDRESS: 18426 Peninsula Club Dr. Cornelius, NC

SITE ADDRESS: 155 Huntington Ln Mooresville, NC 28117

PHONE: 704506-0556

ALT. PHONE

SITE DIRECTIONS: Hwy 21 South on right before Waterlynn

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Huntington Woods

SECTION: LOT # 5 LOT AREA: .67 Acre

DESIGN FLOW: 480 gpd L.T.A.R.: .3

Septic Tank Existing (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 1 Linear Ft 100'

Trench Width 36" Trench Bottom Depth(Low side) 24" Gravel Depth N/A

☐ New System ☐ Repair ☒ Expansion System Type: I II III IV V VI

System Description: Gravity - 25% Reduction

Repair System Description: DPBPS

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☒ Private

☐ Public

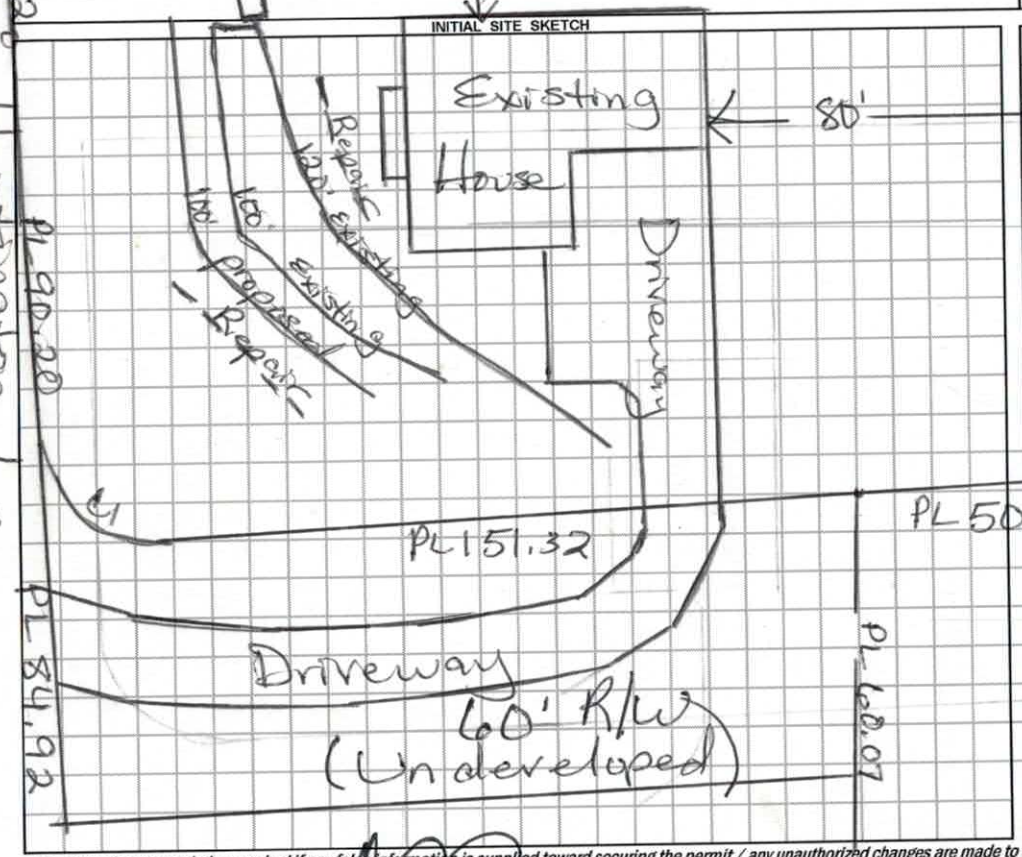
☐ Community

Comments / Conditions: Add 1-100 ft drainline to existing Septic System.

Note: Locate utilities prior to digging

Field checked by BA.

INITIAL SITE SKETCH



AS BUILT SKETCH

Scale 1:40

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCEPTION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 9/7/17 Installed by: Rowan Septic

IMPROVEMENT PERMIT by: Maria Dotson Date: 8/21/17 OPERATION PERMIT by: Maria Dotson Date: 12/4/17

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 8/21/17 Existing System Inspected by: Date:

7/26/17 Left msg for

RECEIVED JUL 24 2017

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

228890

1. APPLICATION FOR: X **Improvement Permit** ✓ **Authorization To Construct** ___ **Existing System Inspection**

Paid $500.00

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
X Custom Site Plan, Scaled no more than 1 Inch = 60 Feet
Place check ( ) beside whichever is submitted if applicable

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Gabriel Barnhardt	18426 Peninsula Club Dr Cornelius NC	704-506-0556	—
same			
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**

4. Property Information:

155 Huntington Ln Mooresville NC 28117 — Huntington Woods — 5
Street Address **Subdivision Name** **Section/Phase and Lot Number**

Driving Directions: 150 to HWY 21 South, Rt on Huntington Ln House on left

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

( ) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
Repair To Failing Septic System due to
( ) Other

Maximum Number of Bedrooms 4
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms 3
Existing room

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development: Type of Business
Square Footage of Building
Maximum Number of Employees
Maximum Number of Seats

6. Proposed Water Supply:

( ) New Well (✓) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* (✓) EXISTING SYSTEM installed 1978 *Year*

( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other ___

8. Please Answer The Following ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
To The Best of Your Ability: ( ) Yes ( ) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes ( ) No Is the site subject to approval by any other public agency?

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 o 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.

9. Signature: _____ 7/24/17
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____

PROPERTY ID #: ____

COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Gabriel Barnhardt APPLICATION DATE ____

ADDRESS: ____ DATE EVALUATED: 8/17/17

PROPOSED FACILITY: ____ PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: ____

LOCATION OF SITE: 155 Huntington Ln PROPERTY RECORDED: ____

WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other ____

EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
Pit 1	7%	0-11	Brw	SCL					PS .3
		11-33"	R/Brw	C m-w SBK SS, SP, SEXP					
		33-40"	R/Brw	CL w SBK SS, SP, SEXP, FR					
		40-52"	L SAP	massive, FR					
Pit 2	5%	0-12"	Brw	SCL					
		12-26"	R C	m-w SBK SS, SP, SEXP, FR					
		26-48	R CL	w SBK SS, SP, SEXP, FR					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): ____

SITE CLASSIFICATION (.1948): ____

EVALUATED BY: Marie Dotson & Ashley Rollans

OTHER(S) PRESENT: ____

COMMENTS: ____

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4646967838
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Gabe Barnhardt — APPLICATION DATE: ____
ADDRESS: 155 Huntington Ln Mooresville 28117 — DATE EVALUATED: 5/2/19
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE: .542 Acres
LOCATION OF SITE: Huntington Woods subdivision Lot 155 — PROPERTY RECORDED: ____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

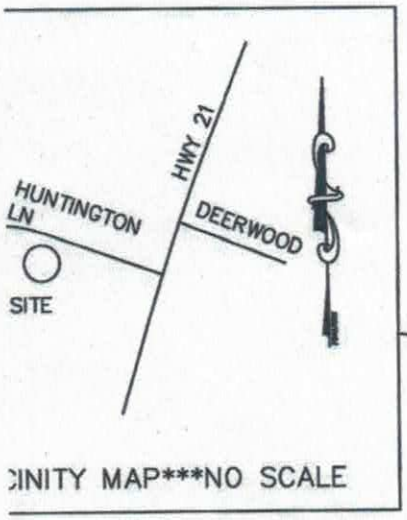
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 1	5%	0-13	Bcl wm SBK	FR SS SP					PS. 3
		13-44	Rc wm SBK	" " "					
		44-48	Rcl wm SBK	" " "					
B 2	9%	0-3	Bl gr	FR SS SP					PS .3-.35
		3-24	Rc wm SBK	" " "					
		24-30	Rbcl wf SBK	" " "	C SAP				
		30-36	Bl vw SBK	" " "	M SAP				
		36-48	Var/Mass						
B 3	7%	0-2	Bl gr						PS. 3
		2-34	Rc wm SBK	FR SS P					
		34-45	BRcl wm SBK		C-SAP				
		45-48	var sl mass						
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted 1BR UPGRADE	PPBPS 1BR ONLY
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Wendell Overby & Ashley Rollins
OTHER(S) PRESENT: ____

COMMENTS: Lot Recorded Prior to 1983. Existing System (3BR Exempt from Repair)
Septic Layout demonstrates 1BR upgrade (Accepted) & 1BR Repair (PPBPS)

CURVE TABLE				
VE	RADIUS	LENGTH	BEARING	CHORD
	25.00'	39.26'	S 74°46'32" W	35.35'
?	634.99'	15.28'	N 58°43'22" W	15.28'



PBI8P039

1:40

LAURA HENDERSON
738\926

EIP
N56°08'29"W
123.31
EIP
S31°37'59"W
49.16
S29°47'31"W
50.05
35' REAR SETBACK
N55°46'26"W
124.95
OLD PL
CONC. MON
EIP
N56°12'11"W
60.07
CONC. MON

LOT 5
0.67 AC. TOTAL

15' SIDE SETBACK
DRIVEWAY
25' CORNER SIDE
HOUSE
P
P2
R
1.33' (REPAIR)
BH1
TANK
2.120' (EXISTING)
3.100' (EXISTING)
4.100' (PROPOSED)
35' FRONT SETBACK
BH2
B
EIP1
Y
2.34' (REPAIR)
BH3
IPS
(TIE ONLY)
C1
C2
EIP
S60°14'27"E
90.20
IPS
N60°29'47"W
84.92
EIP

(BASE BEARING)
S31°36'25"W
185.73
N29°47'31"E
151.32
60' R\W
(UNDEVELOPED)

LOT 4
RELL SCARBROUGH
1277\627

LOT

SCALE
1" = 40'

HUNTINGTON LN.
(60' R\W)