IREDELL COUNTY HEALTH DEPARTMENT - *ENVIRONMENTAL HEALTH* ☐ STATESVILLE OFFICE 704-878-5305 ☒ MOORESVILLE OFFICE 704-664-5281

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

PERMIT # Expansion to 124782 PIN # 4627 20 9780 DATE November 7, 2011

OWNER John Papatzanakis APPLICANT: same PHONE: Home/Cell # 704-819-2533 Business #

SITE ADDRESS 208 Lakeview Shore Lp OWNER / APPLICANT ADDRESS same

SITE DIRECTIONS Brawley School Rd TR McKendree TR Lakeview Shores Lp on Right

SUBDIVISION CL+T BLOCK / SECTION 8 LOT # 341 LOT AREA .78 DESIGN FLOW 600 gpd L.T.A.R. .3 gpd/ft²

Septic Tank 1850 Gallons: STB 578 Date 3-29-10

Pump Tank 1500 Gallons: P T 985 Date 10-12-07

Pump Make GOULDS Model WE0512MU Serial # 5112618S

No. Nitrification Fields: 1 No. Lines 3 Linear Feet 135

Trench Width 24" Max. Trench Bottom Depth 36" Gravel Depth N/A

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

System Description: PPBPS PM + Existing

Repair System Description: TS II Pretreatment PPBB

Maintenance Agreement Required ☐ YES ☒ NO

☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 5

☐ Business No. Persons

☐ Other No. Employees

☐ Slab ☐ Crawl Space

☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☒ Private

☐ Public

☐ Community

Comments / Conditions: Septic system shall be min. 100' from any well

INITIAL SITE SKETCH

See Plan from Rollans Soil & Environmental Services, Inc.

Approved by ICHD

AS BUILT SKETCH

1/3 HP Pump

Instalced As Shown on Plan

Flow Splitter Used

2' PM Set

53½

~~42~~ 41

136

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.

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

Owner / Applicant Signature: [signature] Date 3-30-12 Installed by: Piedmont Backhoe

IMPROVEMENT PERMIT by: Judy Melville REHS Date 11-7-11 OPERATION PERMIT by: [signature] REHS Date 4-17-12

AUTHORIZATION TO CONSTRUCT by: Judy Melville REHS Date 11-7-11 Existing System Inspected by: REHS Date

YOU SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

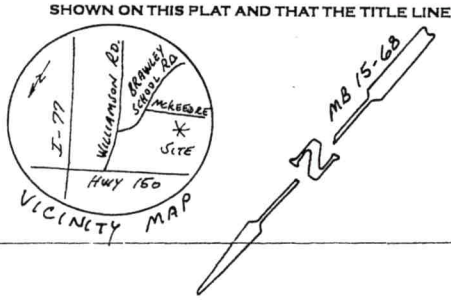
White Copy – Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant

THIS IS TO CERTIFY THAT ON THE 21ST DAY OF NOV. 20 06 I, SURVEYED THE PROPERTY SHOWN ON THIS PLAT AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY ARE SHOWN HEREON.

SIGNED _____ 11-06
PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3380 LAND SURVEYOR DERICK L MILES

DERICK L. MILES P.L.S.
4901 PINE OAK DRIVE
MONROE, NC 28112
TELE: 704-764-7763
FAX: 704-764-8002



MB 15-68

~ LAKE NORMAN ~

BOAT HOUSE

S42-13W 25.31
S51-51W 35.05
S55-37W 50.01
S62-28W 50.25
S06-24W 27.89
S13-42W 23.83
FOUND IRON PIN
WATERS EDGE AS OF DATE OF SURVEY
760' CONTOUR ELEVATION
WOOD WALK
SETBACK LINE
WOOD DECK/PORCH
208
OLD 2 STORY W/BASEMENT SIDING
PORCH
CONCRETE DRIVE
10' SETBACK LINE
25' SETBACK LINE
S68-21-00E
182.18
N40-09-00W
205.44
~ LOT 340 ~
~ LOT 342 ~
LOT 341
WELL
TIN FLOW SPIGOT
R= 117.95 A=152.50
C=142.10 CB=N55-05-55E
FOUND IRON PIN
CONCRETE DRIVE
LAKEVIEW SHORES LOOP
60' PUBLIC R/W
PAVEMENT

Approved
ICHD
11-7-11
gm

LEGEND
MB = MAP BOOK
Ac = ACRE
R = RADIUS
A = ARC LENGTH
C = CHORD LENGTH
CB = CHORD BEARING
R/W = RIGHT-OF-WAY

PHYSICAL SURVEY
OF
LOT 341, SECTION 8, CRESCENT LAND & TIMBER CORP.

FOR: JOHN PAPATZANAKIS & SANDRA PAPATZANAKIS

SCALE 1"=40' CITY OF MOORESVILLE, DAVIDSON TOWNSHIP, IREDELL COUNTY, N.C.

THE PROPERTY OF JOSEPH R. GLOWACKI

MAP RECORDED IN MAP BOOK 15 AT PAGE 68 DEED RECORDED IN BOOK 1638 PAGE 1266

NOTES: * PROPERTY SUBJECT TO DRAINAGE AND UTILITY EASEMENTS. * SETBACK LINES PER RECORD MAP. * SURVEY OF AN EXISTING PARCEL OF LAND.

(SEE P-2755)

FILE # A-5279

)N-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: ___IREDELL___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

)WNER: _____JOHN PAPATZANAKIS_____ APPLICATION DATE_____
\DDRESS:_____208 LAKEVIEW SHORES LP, MOORESVILLE, NC 28117_____ DATE EVALUATED: _10/2011____
'ROPOSED FACILITY: ___5 BRM _____ PROPOSED DESIGN FLOW (.1949): __600gpd/sqft__ PROPERTY SIZE: ____0.77 ac._____
.OCATION OF SITE: _____208 LAKEVIEW SHORES LP MOORESVILLE_____ PROPERTY RECORDED: ____YES_____
VATER SUPPLY: X Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
:VALUATION METHOD: X Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: X 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	
B 1	LSS 8%	0-24	RY CL WFSBK	FR, SS, SP, SEXP	-Com. Sap	36"	PS	-	PS
		24-36	RY CL VWVFSBK	FR, SS, SP, SEXP	-Many Sap				0.35 gpd/sqft
		36-48	VAR, SL SAP M	FR, SS, SP, SEXP	-Com./Many CL incl				
B 2	LSS 14%	0-12	FILL		-Many Sap	22"	PS	-	PS
		12-22	RY CL WFSBK	FR, SS, SP, SEXP					0.4 gpd/sqft
		22-38	VAR, SL SAP M	FR, SS, SP, SEXP	-Com. R CL incl. & veins				
		38-48	VAR, SL SAP M	FR, SS, SP, SEXP					
B 3	LSS 15%	0-11	RY CL WFSBK	FR, SS, SP, SEXP	-Many Sap	11"	PS	-	PS
		11-48	VAR/YR SL SAP M	FR, SS, SP, SEXP	-Few R CL incl.				0.45 gpd/sqft
B 4	LSS 18%	0-7	FILL		-Very light clay	44"	PS	-	PS
		7-21	R C WFSBK	FR, SS, SP, SEXP					0.3-.35 gpd/sqft
		21-44	RY CL WFSBK	FR, SS, SP, SEXP	-Com./Many Sap				
		44-48	VAR SL SAP M	FR, SS, SP, SEXP	-Few/Com. R CL incl.				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Existing Bed with PPBPS Expansion	LP PPBPS
Site LTAR	0.3 gpd/sqft	0.3 gpd/sqft

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: Adrian Pruett, LSS
OTHER(S) PRESENT: None

COMMENTS:_____

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: 10/2011
COUNTY: IREDELL

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 5	LSS 12%	0-28	R CL WFSBK	FR, SS, SP, SEXP	-Many Sap	28"	PS	-	PS
		28-48	PY SL SAP M	FR, SS, SP, SEXP	-Few CL incl.				0.35 gpd/sqft
B 6	LSS 20%	0-12	FILL			42"	PS	-	PS
		12-31	R C WFSBK	FR, SS, SP, SEXP	-Com. Sap				
		31-42	RY CL WFSBK	FR, SS, SP, SEXP	-Many Sap				0.3-.325 gpd/sqft
		42-48	VAR SL SAP M	FR, SS, SP, SEXP	-Com. CL incl.				
B 7	LSS 18%	0-12	FILL			42"	PS	-	PS
		12-32	R C WFSBK	FR, SS, SP, SEXP	-Few Sap				
		32-42	RY CL WFSBK	FR, SS, SP, SEXP	-Many Sap				0.3-.325 gpd/sqft
		42-48	VAR SL SAP M	FR, SS, SP, SEXP	-Few CL incl.				
B 8	LSS 20%	0-2	FILL			31"	PS	-	PS
		2-6	B CL WFSBK	FR, SS, SP, SEXP					
		6-18	R C WFSBK	FR, SS, SP, SEXP	-Few Sap				0.35 gpd/sqft
		18-31	RY CL WFSBK	FR, SS, SP, SEXP	-Many Sap				
		31-48	VAR. SL SAP M	FR, SS, SP, SEXP					
B 9	LSS 20%	0-18	FILL	FR, SS, SP, SEXP		48"	-	-	PS
		18-48	R C MFSBK	FR, SS, SP, SEXP	-Com. mica				0.3 gpd/sqft
		48-60	R CL LFSBK	FR, SS, SP, SEXP	-Few Sap				

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: 10/2011
COUNTY: IREDELL

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 10	LSS 20%	0-12	FILL		-Few Sap >40"	48"	-	-	PS 0.3 gpd/sqft
		12-20	B SCL GR	FR, SS, SP, SEXP					
		20-25	RY C WFSBK	FR, SS, SP, SEXP					
		25-~~48~~60	R C MFSBK	FR, SS, SP, SEXP					
P 1	L 8% ALP + JM	0-13	RC WSBK	Fr, SS, SEXP	-many sap -incl. CL	26"	PS	-	PS .3
		13-26	RY CL WSBK	Fr, SS SEXP					
		26-60	SL Sap M	Fr, SS, SEXP					
P 2	L 15% JM + ALP	0-24	CL WSBK	Fr, SS SEXP	- few sap -	24"	PS	-	PS .35
		24-60	SL Sap M	VFr, SS SEXP					
P 3	L 25% JM + ALP	4-0	Fill		- few sap -incl. CL				PS .3
		0-22	C MSBK	Fr, SS SEXP					
		22-36	CL MSBK	Fr, SS SEXP					
		36-60	SL Sap M	Fr, SS SEXP					
P 4	L 20% JM + ALP	0-15	C MSBK	Fr, SS, SEXP	- -few incl. CL.	30"	PS	-	PS .3
		15-30	CL WSBK	Fr, SS, SEXP					
		30-60	SL Sap M	Fr, SS, SEXP					

COMMENTS: AB 12" fill c to cl + com. - many sap to 48"