IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 227549

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

PIN # 4635-69-7170

APPLICANT: Mark Benitez APPLICANT ADDRESS: 118 Surfside Drive Mooresville, NC 28117

SITE ADDRESS: 118 Surfside Drive Mooresville, NC 28117 PHONE: 704-928-9215 ALT. PHONE:

SITE DIRECTIONS: BSR towards Lake Norman → L on Stutts → L on Commodore → R on Surfside → On Right

SUBDIVISION: Commodore Peninsula SECTION: LOT # 95 LOT AREA: 0.359 acres DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank	1000	(gal)	STB	2071	Date	—	☐ New System ☐ Repair ☒ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	Existing Bed + 25% Reduction + Tank	☐ Business	No. Persons	8	☐ Private
Pump Make	—	Model		—	Serial #	—	Repair System Description:	1 Bedroom - 1300 ft² TSII - Drip	☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	3		Linear Ft:	115	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☒ Crawl Space		☒ Community
Trench Width	36"	Trench Bottom Depth	24"-36"		Gravel Depth	—		☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Old septic tank shall be pumped, limed and either 1) Crushed in place 2) hauled away or 3) Filled with clean, flowable fill that is essentially self leveling (gravel, sand or cement) New septic tank must be at least 5 feet from house.

DO NOT DISTURB existing bed system that is already encroached by porch slab. Set distribution box to act as drop box to serve "new" lines after existing septic bed has been used. Recommend pumping septic tank every 3-5 years.

INITIAL SITE SKETCH

See plans (attached) from Michael Athanas + Associates

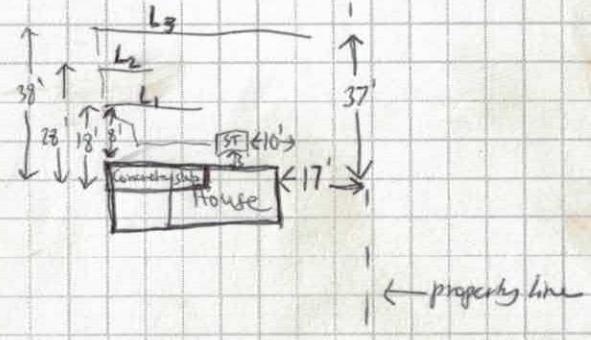
Dated: 5/30/2017 Michael Athanas LSS #1252

AS BUILT SKETCH

★ Per applicant, existing house dimensions shall not be changed from the existing layout ★

Quick 4 Chambers
Polylock filter present.
Plastic tank.

	length	elevation
L1 =	22'	7'7.2"
L2 =	14'	8'
L3 =	78	8'1"



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 EXCAVATION**

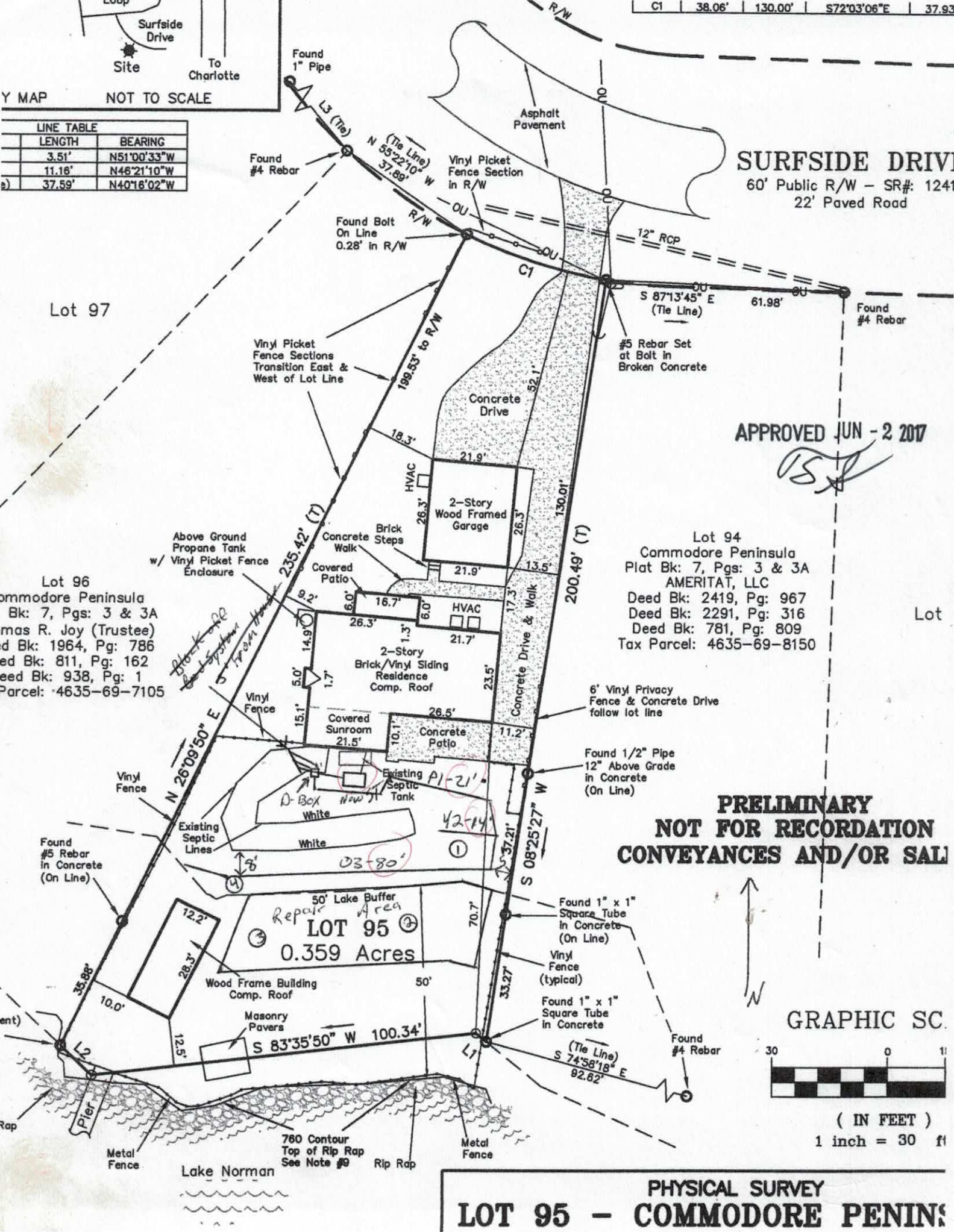
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 6-5-17 Installed by: Richard Abernathy

IMPROVEMENT PERMIT by: Tom Shuck Date: 6/2/2017 OPERATION PERMIT by: Mohamed Dumanieh Date: 6/12/2017

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 6/5/2017 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK


Surfside Drive
Site
To Charlotte
Y MAP NOT TO SCALE
LINE TABLE
LENGTH BEARING
3.51' N51°00'33"W
11.16' N46°21'10"W
37.59' N40°16'02"W
C1 38.06' 130.00' S72°03'06"E 37.93
Found 1" Pipe
L3 (Tie)
(Tie Line) N 55°22'10" W 37.89'
Found #4 Rebar
Asphalt Pavement
SURFSIDE DRIVE
60' Public R/W – SR#: 1241
22' Paved Road
Vinyl Picket Fence Section in R/W
Found Bolt On Line 0.28' in R/W
R/W
OU
12" RCP
C1
S 87°13'45" E (Tie Line) 61.98'
Found #4 Rebar
#5 Rebar Set at Bolt in Broken Concrete
Lot 97
Vinyl Picket Fence Sections Transition East & West of Lot Line
199.53' to R/W
Concrete Drive
52.1'
18.3'
21.9'
HVAC
2-Story Wood Framed Garage
26.3'
26.3'
130.01'
APPROVED JUN - 2 2017
Above Ground Propane Tank w/ Vinyl Picket Fence Enclosure
Concrete Walk
Brick Steps
Covered Patio
21.9'
13.5'
9.2'
6.0'
16.7'
HVAC
6.0'
17.3'
200.49' (T)
Lot 96
Commodore Peninsula
Bk: 7, Pgs: 3 & 3A
mas R. Joy (Trustee)
d Bk: 1964, Pg: 786
ed Bk: 811, Pg: 162
eed Bk: 938, Pg: 1
Parcel: 4635-69-7105
235.42' (T)
26.3'
1.3'
21.7'
14.9'
2-Story Brick/Vinyl Siding Residence Comp. Roof
5.0'
1.7'
23.5'
Concrete Drive & Walk
Lot 94
Commodore Peninsula
Plat Bk: 7, Pgs: 3 & 3A
AMERITAT, LLC
Deed Bk: 2419, Pg: 967
Deed Bk: 2291, Pg: 316
Deed Bk: 781, Pg: 809
Tax Parcel: 4635-69-8150
Lot
Vinyl Fence
15.1'
26.5'
Covered Sunroom 21.5'
10.1'
Concrete Patio
11.2'
6' Vinyl Privacy Fence & Concrete Drive follow lot line
N 26°09'50" E
Found 1/2" Pipe 12" Above Grade in Concrete (On Line)
Vinyl Fence
Existing Septic Tank
D-Box
New
P1-21'
Existing Septic Lines
White
White
42-14'
03-80'
Found #5 Rebar in Concrete (On Line)
8'
37.21'
S 08°25'27" W
PRELIMINARY
NOT FOR RECORDATION
CONVEYANCES AND/OR SALE
50' Lake Buffer
Repair Area
LOT 95
0.359 Acres
12.2'
28.3'
70.7'
Found 1" x 1" Square Tube in Concrete (On Line)
Vinyl Fence (typical)
35.88'
10.0'
Wood Frame Building Comp. Roof
50'
33.27'
Masonry Pavers
12.5'
S 83°35'50" W 100.34'
Found 1" x 1" Square Tube in Concrete
L2
L1
(Tie Line) S 74°58'18" E 92.62'
Found #4 Rebar
GRAPHIC SC
30 0
(IN FEET)
1 inch = 30 ft
Pier
Rap
Metal Fence
760 Contour Top of Rip Rap See Note #9
Rip Rap
Metal Fence
Lake Norman
PHYSICAL SURVEY
LOT 95 – COMMODORE PENIN



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 118 Surfside Dr, Commodore Peninsula Lot 95
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' rear
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.125 GPD/FT2 (repair)
Proposed System Type: Existing system + 25% Reduction
Proposed Repair System Type: Pretreatment Drip Irrigation
Distribution: Gravity-Distribution Box/End cap/Drop boxes
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 24-36"



Line	Design Length	Actual Length
White-Existing Bed		
Pink 1	21'	27'
Yellow 2	14'	14'
Orange 3	80'	80'

Initial System: Ex Sys + 115' **Repair System:** 1300 FT2

Comments:
This property has an existing three bedroom bed system. MA&A are proposing to expand the system to four bedrooms. The existing tank is next to the house foundation and a portion of the existing system is also less than five feet from the slab. We propose to replace the septic tank and cut off the portion of the bed at five feet from the foundation, or leave in place and subtract the square footage (refer to ICHD).
The existing system will lose approximately 57FT2 which will be added to the new lines (120 GPD/0.3 GPD/FT2=400FT2 +57FT2=457 FT2/3FT=152.3 X 0.75=114.25 FT of 25% Reduction).
The distribution should be as follows: the bed will be fed first with a distribution box, the D-box will have one pipe to go to the new lines, this pipe will have a speed leveler which will be adjusted so that the bed will be utilized before any effluent can proceed to the new lines, the new lines will use serial distribution with end caps or drop boxes.
The septic lines can be five feet from the property line because the lot was deeded in 1962 (BK 7/PG 3). This also means the lot is repair exempt. MA&A have shown repair for the 120 GPD of added flow.
All parts of the septic have been located by the surveyor (Geomatic Concepts).

APPROVED JUN - 2 2017

PROPERTY ID #: 4635697170_
COUNTY: _____

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

OWNER: Mark Benitez_____ APPLICATION DATE_____
ADDRESS: _118 Surfside Dr., Mooresville, NC 28117_____ DATE EVALUATED: _____
PROPOSED FACILITY: __4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD____ PROPERTY SIZE: ___0.359 AC_____
LOCATION OF SITE: 118 Surfside Dr, Commodore Peninsula Lot 95_____ PROPERTY RECORDED: __6/28/1962____
WATER SUPPLY: ☐ Private ☒ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

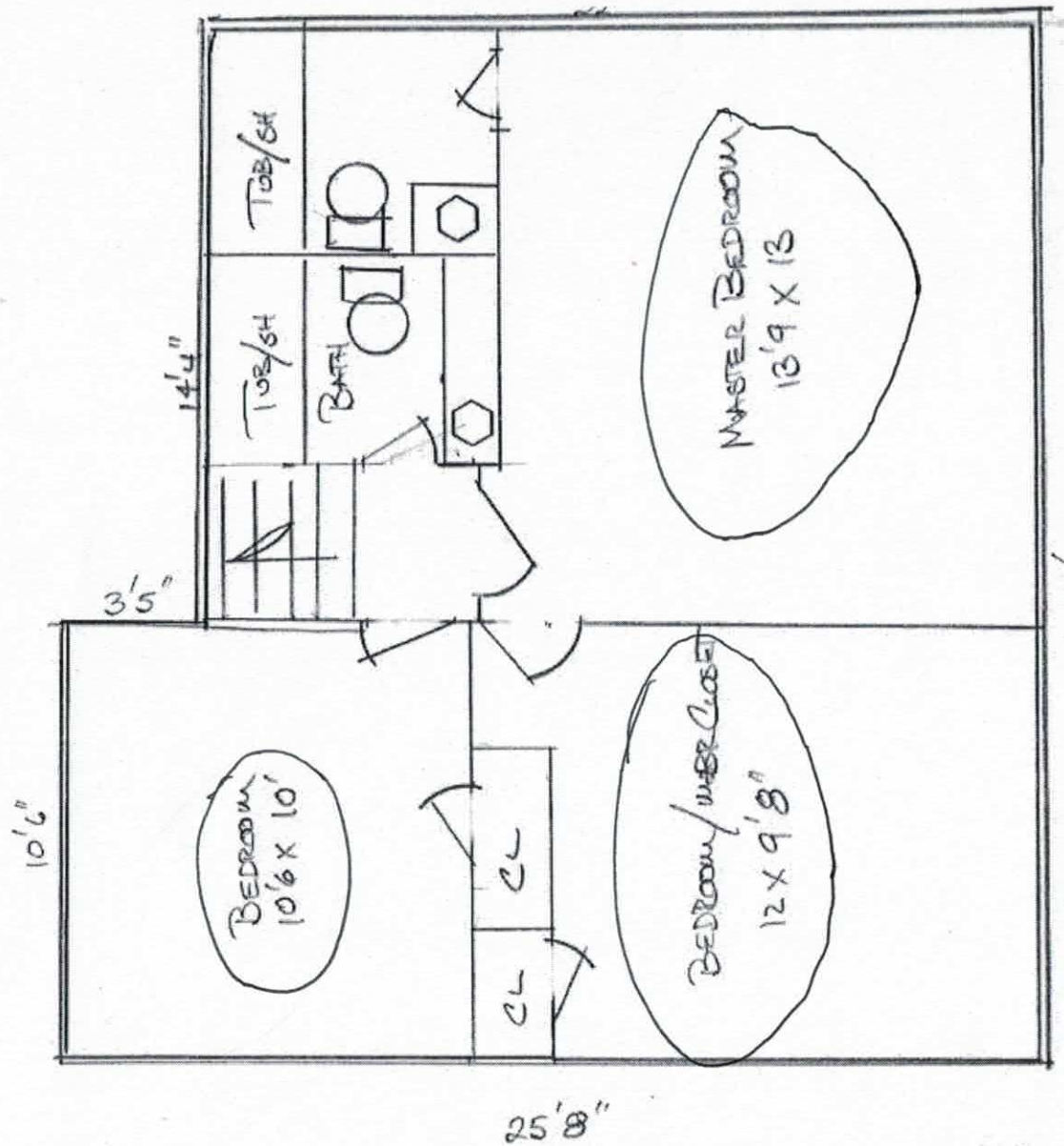
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1 ✓	LS 3%	0-4	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3+
		4-30	R C SBK	FR SS SP SEXP					
		30-48	R CL WSBK	FR SS SP SEXP					
2	LS 3%	0-3	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3+
		3-26	R C SBK	FR SS SP SEXP					
		26-48	R CL WSBK	FR SS SP SEXP					
3	LS 3%	0-25 -33	R C SBK	FR SS SP SEXP	N/A	25"	N/A	N/A	PS 0.125 DRIP
		33-48	clay Loam w. GBLs some Saprolite	Friable, SS, Sp, Sapp					
4	LS 3%	0-4	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3+
		4-28	R C SBK	FR SS SP SEXP					
		28-48	R CL WSBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Ex Sys + 345ft2	1300 FT2
System Type(s)	Ex Sys + 25% R	DRIP
Site LTAR	0.3	0.125

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): ___PS_____
EVALUATED BY: _____ MA&A
OTHER(S) PRESENT: Tom Shuck (holes 1+3 on 6/2/17)

APPROVED JUN - 2 2017

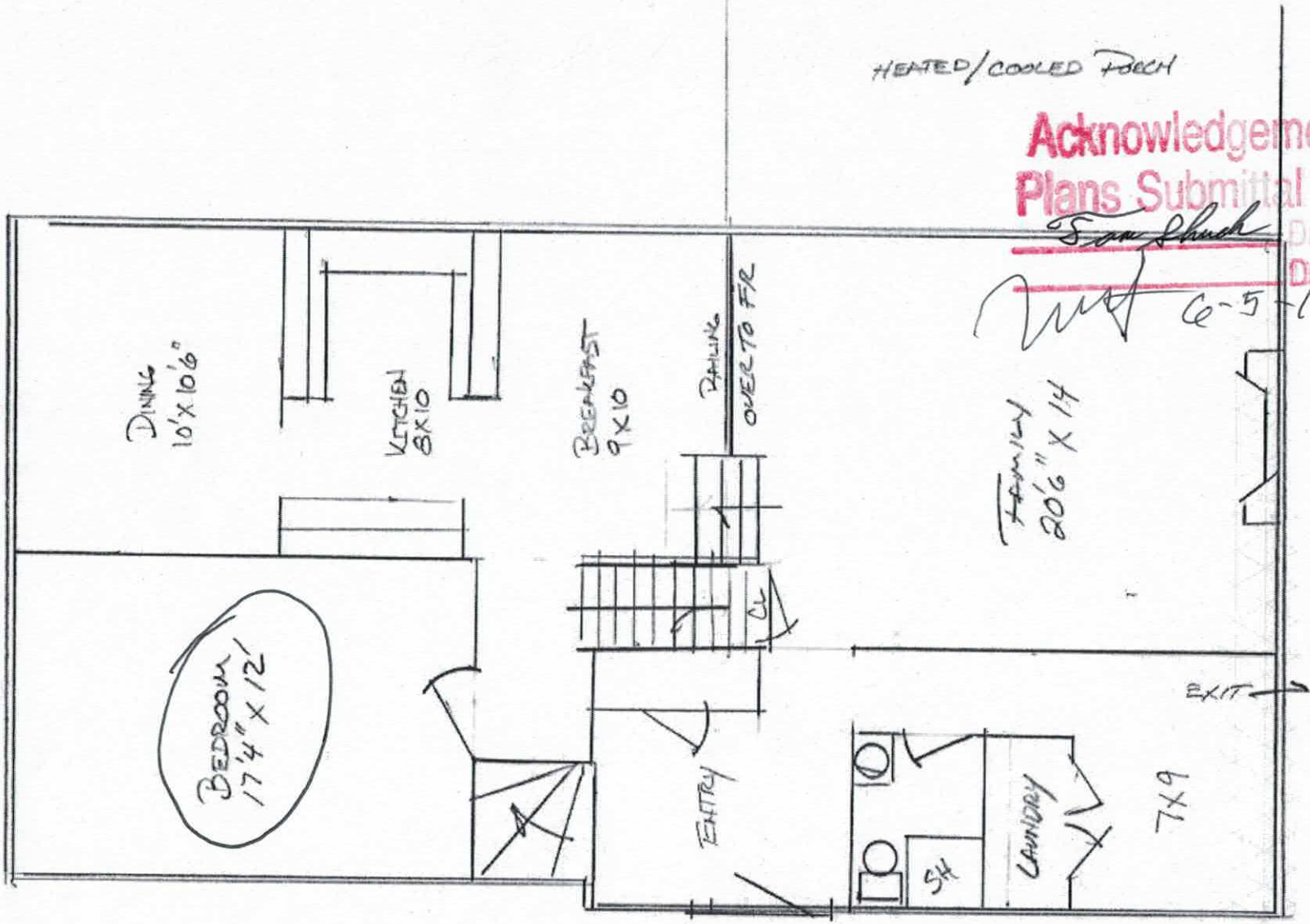
COMMENTS:_____



Acknowledgement Of
Plans Submittal ONLY!
Tom Shuck Date 6/5/2017
Date 6-5-17

2ND LEVEL

1/4" = 1'-0" 590 SQFT



Acknowledgement Of Plans Submittal ONLY!

Sam Shuck Date 6/5/2019

Date 6-5-17

1168SQFT
+ PORCH 218

3/16" = 1'-0"

227549 pd 350

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

PAGE 1: *APPLICATION FORM*

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

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.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (X) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: Mark Benitez **Address:** 118 Surfside Dr., Mooresville, NC **Zip:** 28117

Applicant Email: MBenitez@peachtreeres.com **Phone:** 704-928-9215 **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 118 Surfside Dr

Subdivision Name: Commodore Peninsula **Section/Phase:** _____ **Lot Number:** 95

Driving Directions: BSR, TL Stutts, TL 2nd Commodore Lp, TR Surfside, on RT

Site Development Information: *(check or complete ALL that apply*

CHECK FOUNDATION TYPE

( ) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
(X) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

(X) Crawl Space Foundation
(X) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

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

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: 1975
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (X) Other: _____

Please answer the following to the best of your ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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 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.

Signature: _____ 5/30/2017
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Mark Benitez, am the legal owner(s) of the property located at 118 Surfside Dr Commodore Point 95, identified as PIN (Parcel Identification Number) 4635 69 7170, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas + Assoc., to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

	5-24-17		
Signature of Owner(s)	Date	Signature of Witness	Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*:

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

_____ Property Line measurements are clearly identified… **_____ All proposed structures are indicated…**

SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

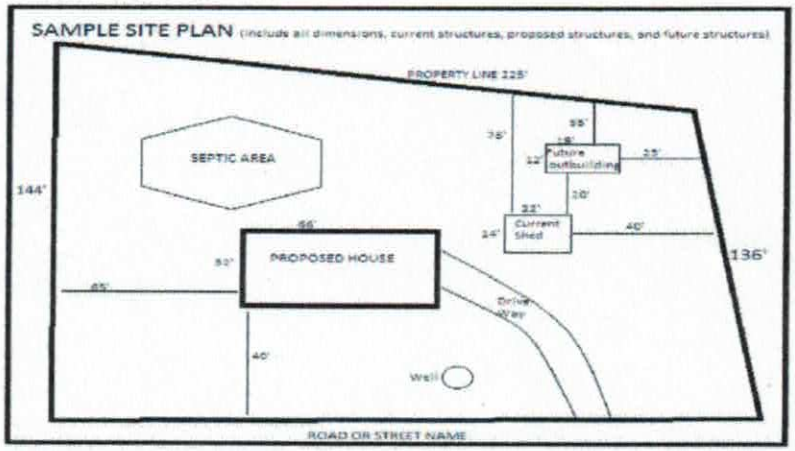
_____ Front and side setbacks from property line… **_____ Preferred driveway location and configuration, preferred well location…**

_____ Area you prefer your septic system to be placed… **_____ North arrow, or other sufficient indicator of direction…**

Circle N/A on the following if appropriate:

_____ Location of septic systems and wells within 100' of your property… N/A

_____ Location of easements and rights of ways on your property… N/A **_____ Location of any designated wetlands on the property… N/A**



USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached Site Plan

Signature: _____

***REQUIRED* property owner or owner's legal representative signature.**

5/30/2017

DATE