ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 | Mooresville Office (704) 660-3625 (BB)

PERMIT : OSWP2024-64477

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

PIN # 4646 -- 22 -- 1463

APPLICANT/OWNER: Eddie Gulbenkian | APPLICANT ADDRESS: 160 Malibu Rd Mooresville, NC 28117

SITE ADDRESS: 160 Malibu Mooresville, NC 28117 | PHONE: (414) 403-1427 | ALT. PHONE: -

SITE DIRECTIONS: I-77S, Alcove, Catalina, Malibu | SAP CONTROLLED: ☐ YES ☒ NO

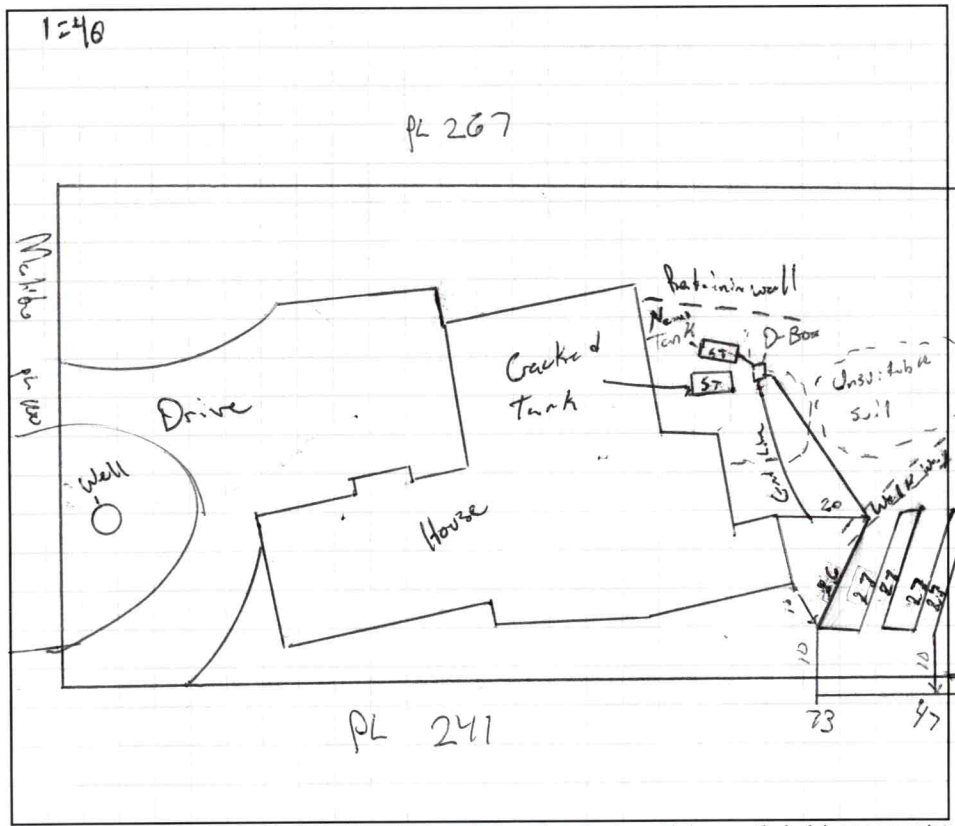
SUBDIVISION: The Back Forty | SECTION: -- | LOT # 15 | LOT AREA: .57Ac | DESIGN FLOW: 480 | L.T.A.R.(Initial): .3 | L.T.A.R (Repair): -

Septic Tank	1000 (gal)	STB	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: 60% Reduction-Vertical	☐ Business	No. Persons	8	☒ Private	
Pump Make	Model		Serial #	Repair System Description: Exempt	☐ Other	No. Employees		☐ Public	
# Nitrification Fields	1 # Lines Ext + 5		Linear Ft Ext +134	Maintenance Agreement Required: ☐ YES ☒ NO	☐ Slab	☐ Crawl Space		☐ Community	
Trench Width	24in *Max. Trench Depth(Initial) 40in		*Max. Trench Depth(Repair) -	Gravel Depth	☒ GRAVITY ☐ PRESSURE	☒ Basement w/plumbing		☐ Basement w/o plumbing	
* Measured on the downhill side of the trench	Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40			Usable Depth to LC (Initial): 54in		Usable Depth to LC (Repair): -		Limiting Condition	

Comments / Conditions: Install on contour with 6ft centers. Remove fill during install. Do not drive, park or construct on septic area. Pump, crush, fill old ST. Place new tank where

Proper fall can be obtained.

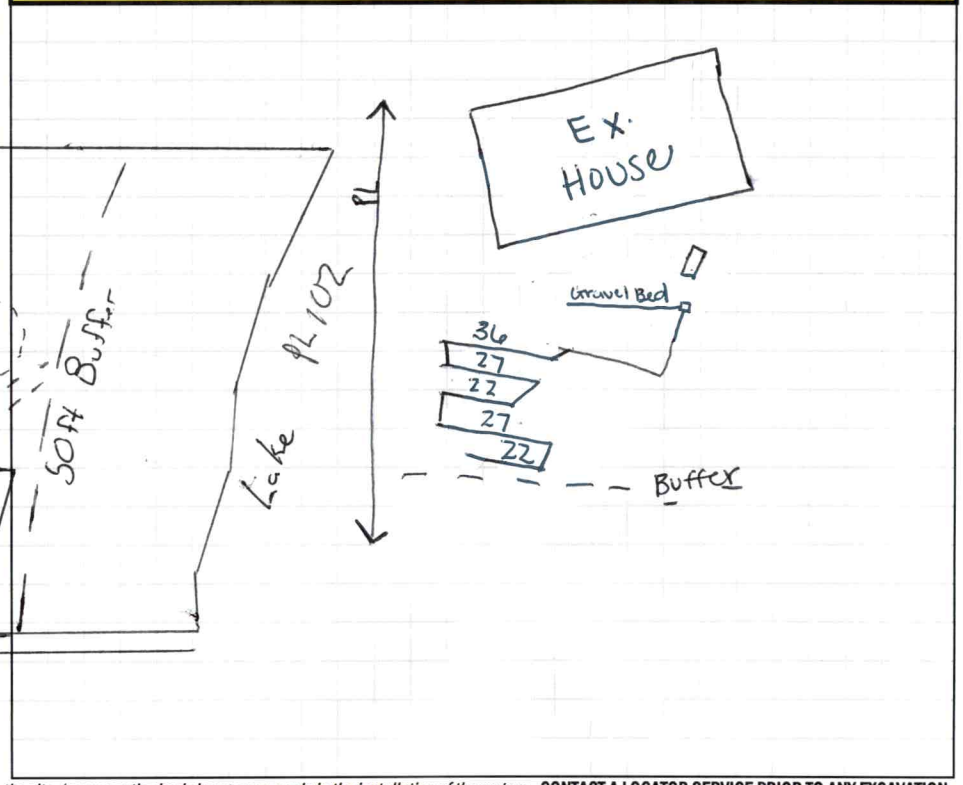
INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am

the day the inspection is needed. Be sure to speak with an inspector to confirm your time.



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: Online Signature | Date: | Installed by: Lentz

IMPROVEMENT PERMIT by: Matt Wilkie | Date: 1/16/25 | OPERATION PERMIT by: Sydney Howard | Date: ~~2/4~~ 3/4/25 ✓

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie | Date: 1/16/25 ✓ | Existing System Inspected by: | Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

PROPERTY ID #: 4646221463
COUNTY: Iredell

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

OWNER: Eddie Gulbenkian DATE EVALUATED: 1/9/25
ADDRESS: 160 Malibu
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 4BR PROPERTY SIZE: .57AC
LOCATION OF SITE: 160 Malibu PROPERTY RECORDED: yes
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other WATER SUPPLY SETBACK: 50ft
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS	0-20	Fill		10YR 6/2	72	-	-	V	
		20-40	C/M	SP fr SE	7/2					
		40-72	C/M	VS VP fr SE	40					
2	LS 6%	0-17	Fill		-	66	Sap in clay with LWL + high Mn	-	5 ~~.85~~ ~~.7~~ .3	2
		17-66	Sap/M	ns np fr SE						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	480	
System Type(s)	60%	
Site LTAR	.3	
Maximum Trench Depth	54	

SITE CLASSIFICATION (.0509): 3
EVALUATED BY: Matthew W
OTHER(S) PRESENT:

Comments:

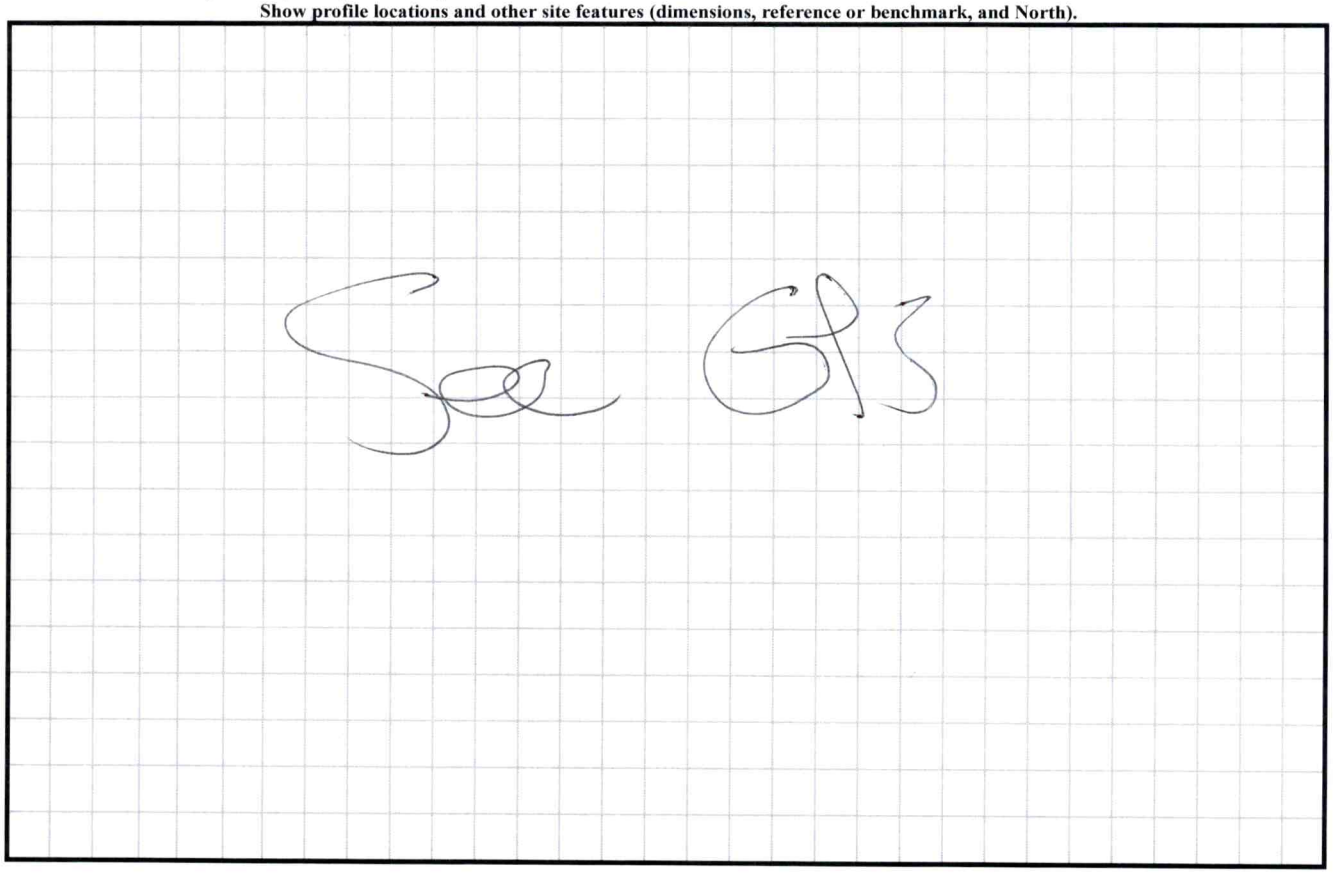
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).




5
24
13
03
28
4646-12-9469
102
97
16
166
4646-22-0467
4646-22-1463
243
267
15
241
14
160
4646-22-2452
158
100
100
100
Malibu Rd
100
4646-22-0210
100
4646-22-1116
100
4646-22-3102

PERMIT SNAPSHOT REPORT OSWP-2024-64977 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/08/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wilkinson, Matthew	**Approval Expire Date:**	

Description: replacing damaged septic unit and moving it to new area, this one is under patio so needs to be replaced/relocated(expanded). Also increasing size of septic to handle 5 bedrooms.

Parcel: 4646221463.000 Main	**Address:** 160 Malibu Mooresville, NC 28117 Main	**Zone:** R-20(Suburban Residential District)

Property Owner	Applicant/Authorized Agent
eddie gulbenkian	eddie gulbenkian
160 Malibu Rd	160 Malibu Rd
Mooresville, NC 22811-7	Mooresville, NC 22811-7
Home: (914) 403-1427	Home: (914) 403-1427
Business: (914) 819-5401	Business: (914) 819-5401
Mobile: (914) 403-1427	Mobile: (914) 403-1427

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Expand septic to add bedrooms, Relocate septic tank/drain lines	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	n/a
What are the proposed structures	Other Addition/Structure	Maximum Number of Bedrooms	5	If other Addition/Structure, please explain	n/a
Number of Occupants	16	Foundation Type	Basement with Plumbing	Residential/Business/Other	Residential
Number of Employees	0	Water Supply	Existing Well	Desired Septic System Type	No Preference
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_eddie_gulbenkian_11/8/2024.jpg	11/08/2024 15:51	gulbenkian, eddie		Uploaded via CSS
160 septic site plan_v1.pdf	11/08/2024 16:04	gulbenkian, eddie	Available Online	
septic signature page_v1.pdf	11/08/2024 16:47	gulbenkian, eddie	Available Online	

Note	Created By	Date and Time Created
1. Eddie will call me when he is ready with property corners. (he might get a survey).	Peter Mravetz	11/12/2024 9:13

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00037896	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00037896	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		11/08/2024 16:04	11/08/2024 16:05

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 224063

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

PIN # 4646-22-1463

APPLICANT: Phillip M. Kidd APPLICANT ADDRESS: 442 Sundown Road Mooresville, NC

SITE ADDRESS: 160 Malibu Rd. Mooresville, NC 28117 PHONE: 704-634-9885 ALT. PHONE:

SITE DIRECTIONS: Williamson Rd South → R on N Cardigan Way → R on Catalina Dr → R on Malibu Rd → Lot on Right

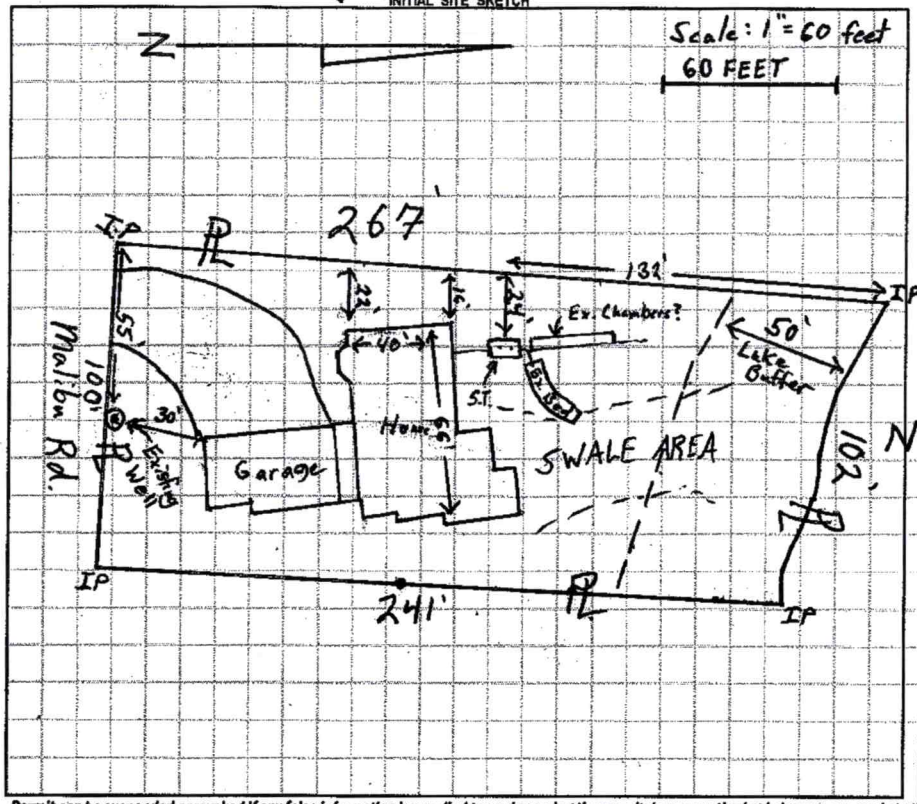
SUBDIVISION: The Back Forty SECTION: LOT # 15 LOT AREA: 0.57 acres DESIGN FLOW: 240 GPD L.T.A.R.: —

Septic Tank	Ex	(gal)	STB	Ex	Date	Ex	☐ New System ☐ Repair ☐ Expansion	System Type: I (II) III IV V VI	☒ Residence	No. Bedrooms	2
Pump Tank	—	(gal)	PT	—	Date	—	System Description: Existing System		☐ Business	No. Persons	4
Pump Make	—	Model		—	Serial #	—	Repair System Description:		☐ Other	No. Employees	
# Nitrification Fields	1	# Lines	Ex		Linear Ft:	Ex	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☐ Crawl Space	
Trench Width	Ex	Max. Trench Bottom Depth	Ex		Gravel Depth	Ex	☒ GRAVITY	☐ PRESSURE	☒ Basement w/plumbing	☐ Basement w/o plumbing	

Water Supply: ☒ Private Ex. ☐ Public ☐ Community

Comments / Conditions: Strongly recommend pumping septic tank every 3 years and conservative water use. System is of unknown age and likewise, is not assured to function for any specified period of time.

INITIAL SITE SKETCH



AS BUILT SKETCH

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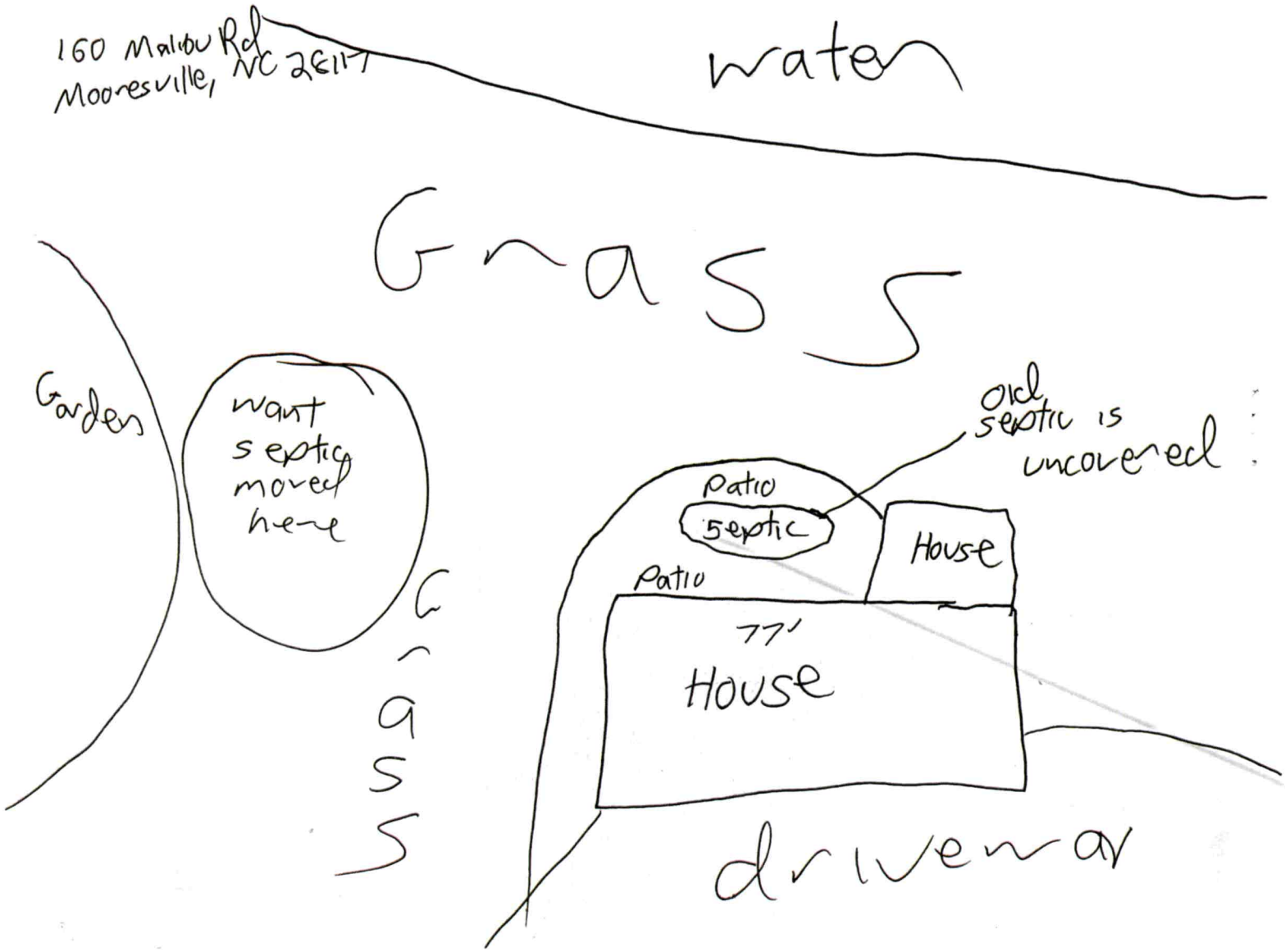
☐ IMPROVEMENT PERMIT with plat valid without expiration. ☐ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☐ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Phillip M Kidd Date: 2-15-17 Installed by:

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected by: Tom Shuck Date: 2-13-17

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


160 Malibu Rd
Mooresville, NC 28117
water
Grass
Garden
want septic moved here
Grass
old septic is uncovered
Patio
Septic
House
Patio
77'
House
driveway