BIDR-2023-35202 SH

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP2023-35197

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

PIN # 4779 -- 93 -- 2019

APPLICANT/OWNER: Eagle Mills Investments LLC APPLICANT ADDRESS: 275 Dutchman Rd Harmony NC 28634

SITE ADDRESS: 116 Arrowood Ln Harmony NC 28634 PHONE: 7045463336 ALT. PHONE —

SITE DIRECTIONS: Old Macksville → Mt. Bethel → Bimrock → Arrowood Ln SAP CONTROLLED: ☒ YES ☐ NO

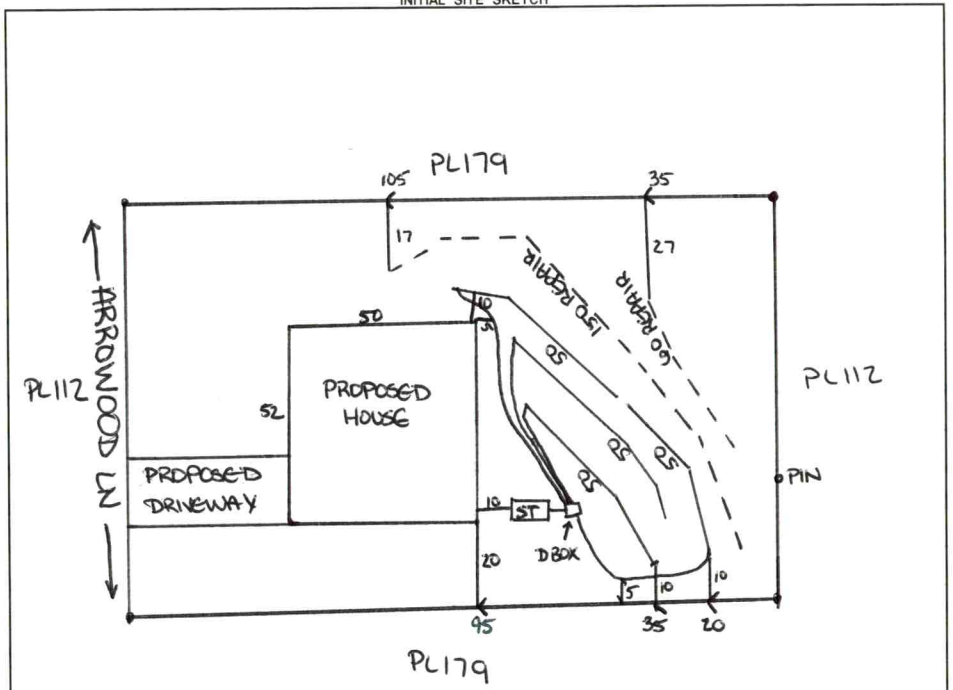
SUBDIVISION: Archers Ridge SECTION: — LOT # 12 LOT AREA: 0.46 DESIGN FLOW: 360 L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	VPPBPS			
Pump Make			Model		Serial #		Repair System Description:	VPPBPS			
# Nitrification Fields	1	# Lines	4	Linear Ft	200		Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	24"	Trench Bottom Depth(Low side)		35"	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		

☒ Residence	No. Bedrooms	3	**Water Supply**
☐ Business	No. Persons	6	☐ Private
☐ Other	No. Employees	—	☒ Public
☐ Slab	☒ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

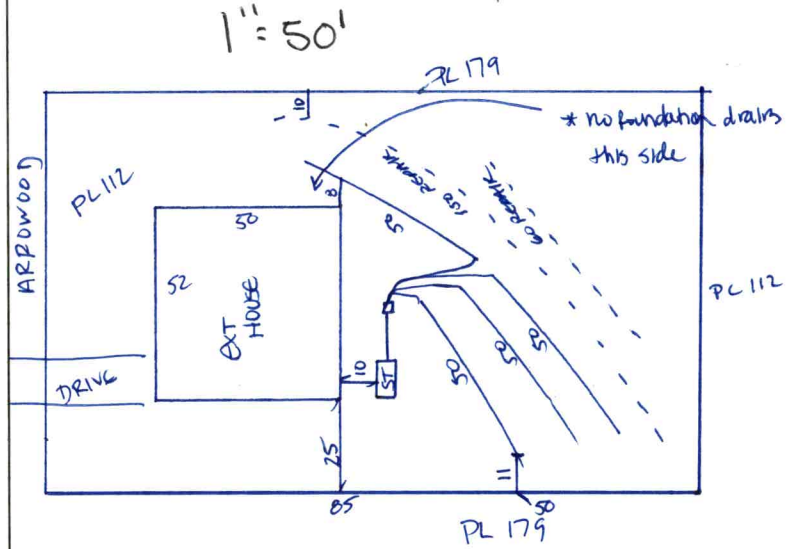
Comments / Conditions: Do not grade, pave, park, etc in septic area. Install lines on contour using 8' centers.

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 Date: — Installed by: Rick A1 Backhoe

IMPROVEMENT PERMIT by: Sarah Williams Date: 9/19/2023 OPERATION PERMIT by: Sarah Williams Date: 12/8/2023

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 9/19/2023 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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? _____	

PERMIT SNAPSHOT REPORT OSWP-2023-35197 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Bracken, Sarah
App Date: 08/28/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:
Description: New septic for new house IP/AC 8/31 Ben stated site ready GM 8/31 Site ready GM LINKED:BLDR-2023-35202

Parcel: 4779932019.000 Main
Address: 116 Arrowood Ln Harmony, NC 28634 Main
Zone: RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Eagle Mills Investments LLC	Eagle Mills Investments LLC
275 Dutchman Road 275 Dutchman Road	275 Dutchman Road 275 Dutchman Road
Harmony, NC 28634	Harmony, NC 28634
Business: (704) 546-3336	Business: (704) 546-3336
Mobile: (704) 902-0937	Mobile: (704) 902-0937

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	52' x 50'
What are the proposed structures	New Single-Family Residence - Modular	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	6	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Municipal Water	Desired Septic System Type	Conventional (most common)
Lot Acreage	0.46	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Aug 31 2023 12:00AM
Zoning Permit Expiration Date	Feb 27 2024 12:00AM	Is the structure or development in the floodplain	No	Is the property in a local historic district?	No
Is the property located downtown?	No	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Benjamin_Loftis_8/28/2023.jpg	08/28/2023 17:38	Loftis, Benjamin		Uploaded via CSS
DOC TO AUTHORIZE AN OWNER 3_18_v1.pdf	08/29/2023 9:57	Nebel, Barbara	Available Online	Authorize to Act as Agent
116 Arrowood Septic Sketch_v1.pdf	08/30/2023 9:19	Bailey, Julia	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-134512	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	08/31/2023	08/31/2023 0:00	08/31/2023 0:00	08/31/2023 16:40	08/31/2023 16:40

Inspectors: McLeod, Grace (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Linked Record Relationship	Module	Record Number	Linked Record Type	Linked Record Work Class
Parent	Permit	BLDR-2023-35202	Residential Building	New Single-Family Dwelling

PERMIT SNAPSHOT REPORT (OSWP-2023-35197)

Note	Created By	Date and Time Created
1. 8/31 Met Amanada, site ready GM	Grace McLeod	08/31/2023 16:40

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00020039	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00020039	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		08/30/2023 8:14	08/30/2023 8:15
Confirm application complete v.1	Generic Action		08/30/2023 8:15
Fees v.1		08/31/2023 8:00	08/31/2023 8:01
Issue Invoice v.1	Generic Action		08/31/2023 8:01
Fees Paid v.1	Generic Action		08/31/2023 8:01
Lot Readiness Verification v.1		08/31/2023 16:39	
OSWP Septic Preliminary Site Visit v.1	Inspection	08/31/2023 16:39	08/31/2023 16:40
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		08/30/2023 8:15	08/31/2023 8:12
~~Floodplain Admin Overview v.1~~	Task		08/30/2023 9:28
Iredell County Zoning Approval v.1	Task	08/30/2023 8:15	08/31/2023 8:12
Issue Invoice v.1	Generic Action		08/30/2023 9:28
Fees Paid v.1	Generic Action		08/31/2023 8:01
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		
OSWP Tanks Checked v.1	Inspection		

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

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

OWNER: Eagle Mills Investments LLC
APPLICATION DATE 8/28/23
ADDRESS: 275 Dutchman Rd Harmony NC 28634
DATE EVALUATED: 9/7/23
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 0.46
LOCATION OF SITE: 116 Arrowood Ln Harmony NC 28634
PROPERTY RECORDED: Y
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 3-5%	0-3	C DIST	SS SP SE FR	—	(49)		—	PS 0.3
		3-26	C ABK	↓					
		26-49	CL WABK	↓	few weathered rock / PM 36"+ FR/NC heavy SAP in CL heavy mica in CL				
2	LS 3-5%	0-2	C DIST	SS SP SE FR		39" + 13" SAP (52)		—	PS 0.3
		2-21	C ABK	↓					
		21-39	CL WABK	↓					
		39-65	LSAP M	NS NP SE VFR	heavy SAP in CL heavy mica in CL / few in C				
3	LS 3-5%	0-17	C ABK	SS SP SE FR		45" + 5" SAP (50)		—	PS 0.3
		17-45	CL WABK	↓					
		45-56	LSAP M	NS NP SE VFR	heavy SAP in CL few SAP in C 12"+				
4	LS 3-5%	0-4	CL DIST	SS SP SE FR	—		49" + 5" SAP (54)	—	PS 0.3
		4-26	C ABK	↓					
		26-49	CL WABK	↓					
		49-59	L SAP M	NS NP SE VFR	heavy SAP in CL few litho in C R/C SAP band / pocket 16" - 53"				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	200'	200'
System Type(s)	G 50%	G 50%
Site LTAR	PS 0.3	PS 0.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS 0.3
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

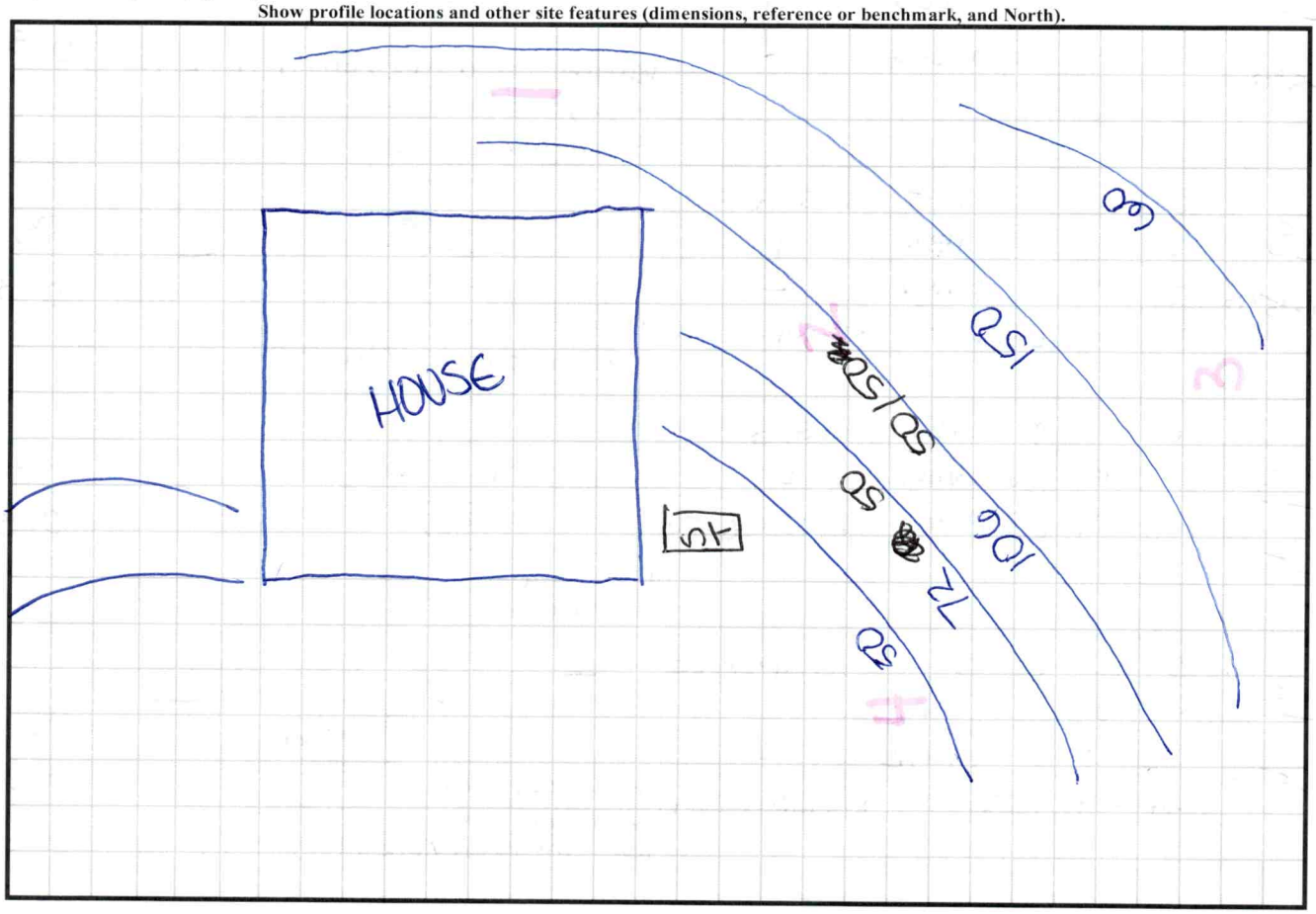
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

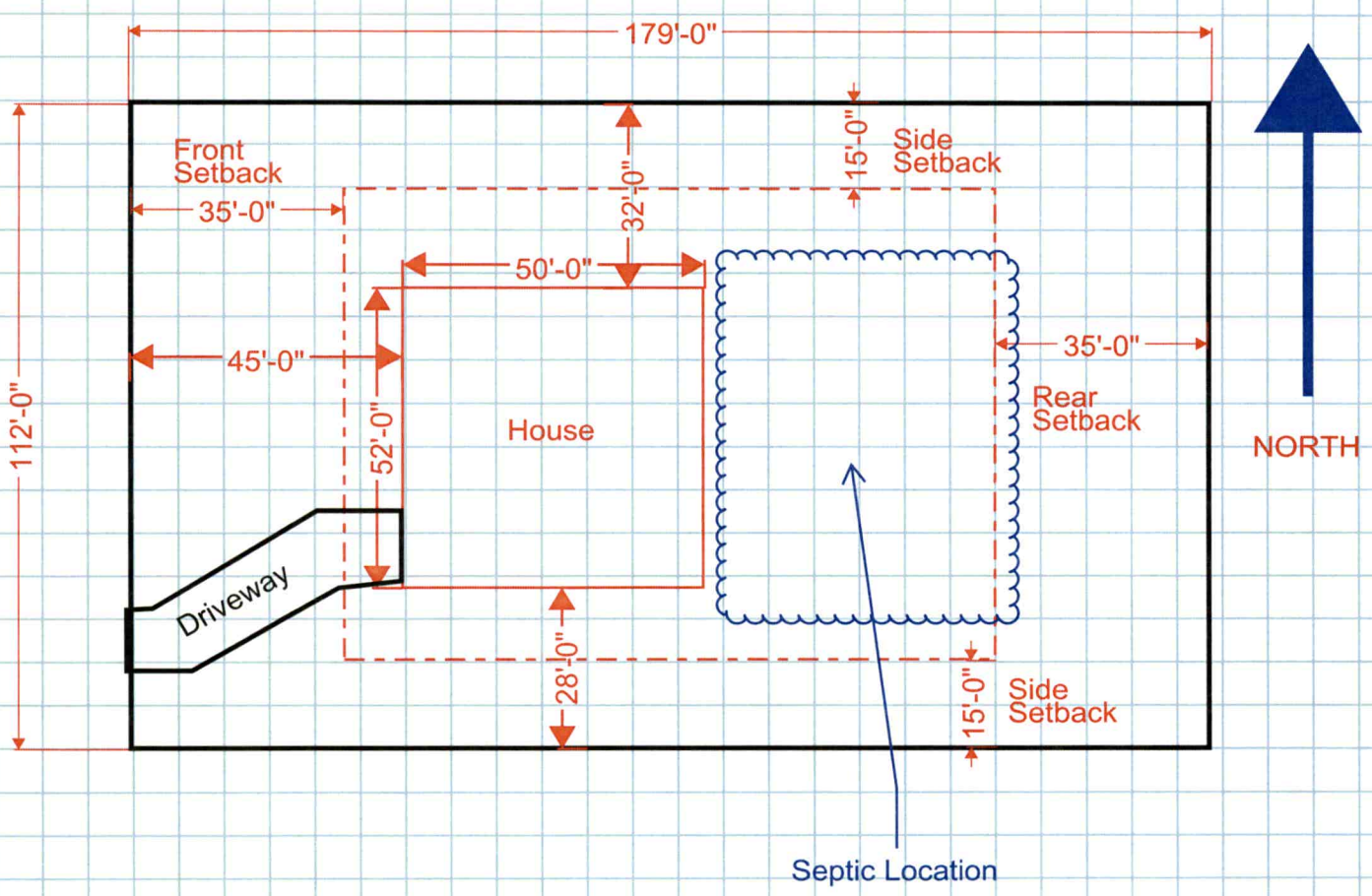
Long-term Acceptance Rate (LTAR): gal/day/ft^2

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

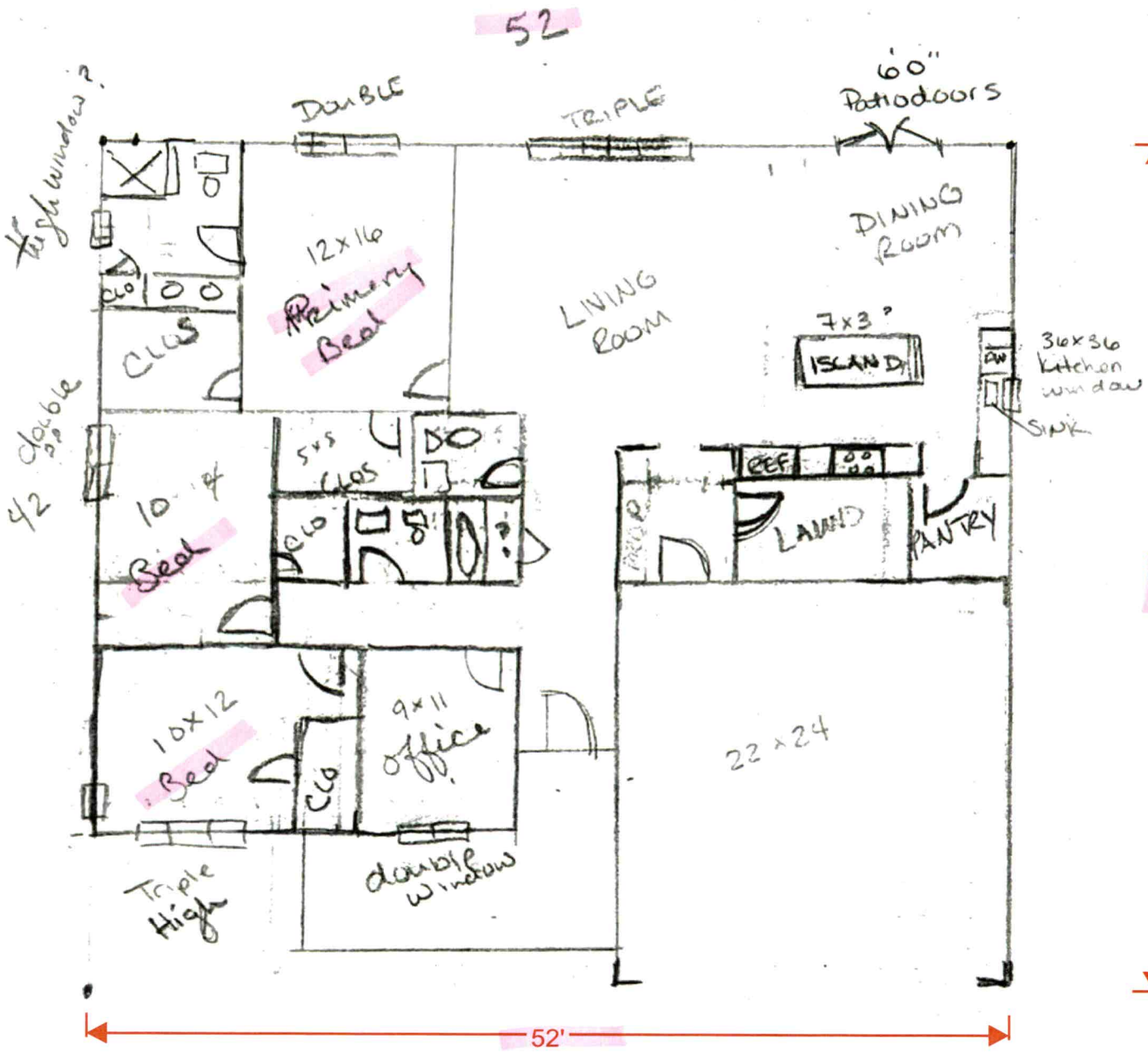


PB 54-32
Arrowood Ln
14
13
12
11
10
9
105
114
117
112
179
176
300
140
150
(940)
4779-92-2829
4779-92-0922
4779-92-4907
4779-93-2040
4779-93-0023
4779-93-2019
4779-93-0122
4779-93-2254
4779-93-0223
4779-93-4340
4779-93-2375
4779-93-0316
104
110
111
116
117
122
123
128
129
181

116 Arrowood Lane Harmony, NC 28634






52
DOUBLE
TRIPLE
60" Patio doors
DINING ROOM
LIVING ROOM
12x16 Primary Bed
CLOS
7x3'
ISLAND
36x36 kitchen window
SINK
REF
LAUND
PANTRY
5'x5'
CLOS
10' Bed
10x12 Bed
9x11 office
CLO
22x24
Triple High
double window
50'
52'