ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR-2024-46110

PERMIT # OSWP2023 40784

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

PIN # 4779 -- 93 -- 2254

APPLICANT/OWNER: EAGLE MILLS INVESTMENTS LLC APPLICANT ADDRESS: 275 DUTCHMAN Rd HARMONY NC 28634

SITE ADDRESS: 122 ARROWOOD LN HARMONY NC 28634 PHONE: 704 546 3336 ALT. PHONE 704 902 0937

SITE DIRECTIONS: OLD MOCKSVILLE → (L) MT BETHEL → (R) ARROWOOD → SITE ON (L) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: ARCHERS RIDGE SECTION: — LOT # 11 LOT AREA: 0.46 DESIGN FLOW: 480 L.T.A.R.: 0.3 (0.275 R)

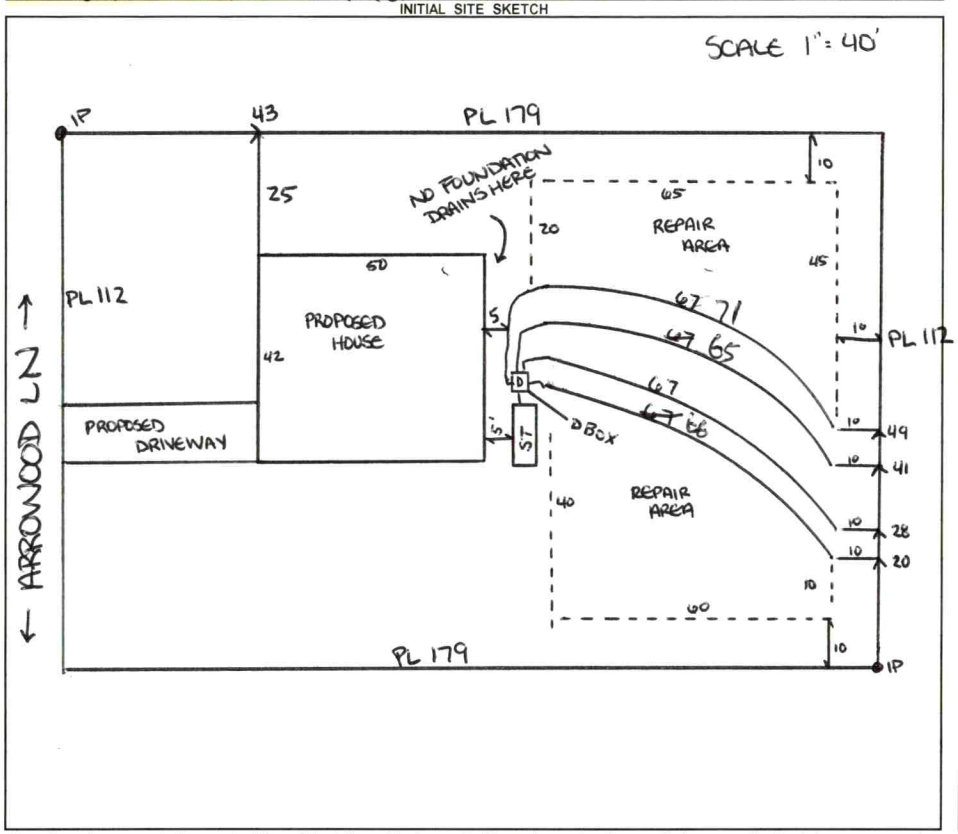
Septic Tank	1000	(gal)	STB B54	Date	—	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank		(gal)	PT	Date		System Description:	Gravity VPPBPS			☐ Business	No. Persons 8
Pump Make		Model		Serial #		Repair System Description:	VPPBPS			☐ Other	No. Employees —
# Nitrification Fields	1	# Lines	4	Linear Ft	260	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	24"	Trench Bottom Depth(Low side)		33"	Gravel Depth —		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install on contour 8' on center. Utilize equal distribution. Do not grade, pave, park, or disturb septic area. Do not install foundation drains at back of house.

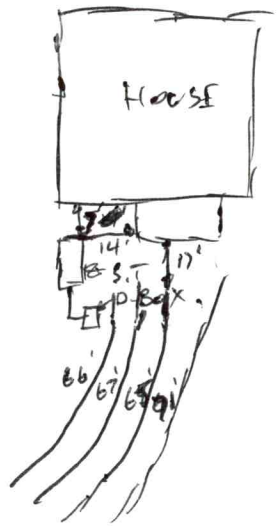
* Floorplans exceed housebox dimensions. Builder/owner moved housebox forward 1' to account for larger home.

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: A-1 BACKHOE

IMPROVEMENT PERMIT by: Sarah Williams Date: 12/14/2023 OPERATION PERMIT by: Burnett C. Miller Date: 6-19-2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 2/8/2024 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-2023-40784 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/07/2023
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:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	Septic for new home IP/AC needed 11/29 Site ready GM				

Parcel: 4779932254.000 Main	**Address:** 122 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	42' Wide and 50' Deep
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	8	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Number of Employees	0	Water Supply	Municipal Water
Desired Septic System Type	No Preference	Has this project been approved by TRC	No	Lot Acreage	0.46
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Nov 15 2023 12:00AM	Zoning Permit Expiration Date	May 13 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_11/8/2023.jpg	11/07/2023 20:18	Loftis, Benjamin		Uploaded via CSS
122 ARROWOOD LN AUTHORIZE AN OWNER.pdf	11/08/2023 15:09	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER
122 ARROWOOD LN AUTHORIZE AN OWNER_v2.pdf	11/28/2023 10:47	Horton, Amanda	Available Online	Authorize to Act as Agent
122 Arrowood Septic Sketch_v1.pdf	11/28/2023 10:47	Horton, Amanda	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-167440	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	11/29/2023	11/29/2023 0:00	11/29/2023 0:00	11/29/2023 15:57	11/29/2023 15:57

Inspectors: McLeod, Grace (Primary)

Checklist Item	Description	Passed	Comments

PERMIT SNAPSHOT REPORT (OSWP-2023-40784)

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

Note	Created By	Date and Time Created
1. 11/29 Site ready GM	Grace McLeod	11/29/2023 15:56

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00023290	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-00023290	$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		11/08/2023 15:09	11/08/2023 15:10
Confirm application complete v.1	Generic Action		11/08/2023 15:10
Fees v.1		11/14/2023 15:05	11/15/2023 8:10
Fees Paid v.1	Generic Action		11/15/2023 8:10
Issue Invoice v.1	Generic Action		11/14/2023 15:05
Zoning Review v.1		11/14/2023 14:04	11/28/2023 10:47
~~Floodplain Admin Overview v.1~~	Task		11/14/2023 14:04
Iredell County Zoning Approval v.1	Task	11/14/2023 14:04	11/28/2023 10:47
Issue Invoice v.1	Generic Action		11/14/2023 14:05
Fees Paid v.1	Generic Action		11/15/2023 8:10
Lot Readiness Verification v.1		11/29/2023 15:57	
OSWP Septic Preliminary Site Visit v.1	Inspection	11/29/2023 15:57	11/29/2023 15:57
OSWP Site Evaluation v.1	Inspection		
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		

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

Sheet 1 of 1
PROPERTY ID #: 4779932254
COUNTY: IREDELL

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

OWNER: Eagle Mills Investments LLC — APPLICATION DATE 11/7/23
ADDRESS: 275 Dutchman Rd Harmony NC 28634 — DATE EVALUATED: 12/11/23
PROPOSED FACILITY: SFR CRAWL — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 0.46 AC
LOCATION OF SITE: 122 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 7-8%	0-25	C ABK	SS SP SE FR	few mica in C/CL/L (throughout) few SAP in CL PL	49		—	PS 0.3
		25-38	CL ABK	↓					
		38-49	L WABK	↓					
2	LS 7-8%	0-10	FILL DIST	S P SE FR	few SAP in CL 32"-63"	63		—	PS 0.275
		10-32	C ABK	S P SE FR					
		32-63	CL WABK	SS SP SE FR					
3	LS 7-8%	0-9	FILL DIST	S P SE FR	heavy SAP in CL / few SAP in C	60		—	PS 0.3
		9-28	C ABK	SS SP SE FR					
		28-60	CL WABK	↓					
4	LS 7-8%	0-19	C ABK	SS SP SE FR	heavy SAP incl in CL			—	PS 0.3
		19-52	CL WABK	SS SP SE FR					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	267'	287'
System Type(s)	G 50 %	G 50 %
Site LTAR	0.3	0.275

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS 0.3/0.275
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.

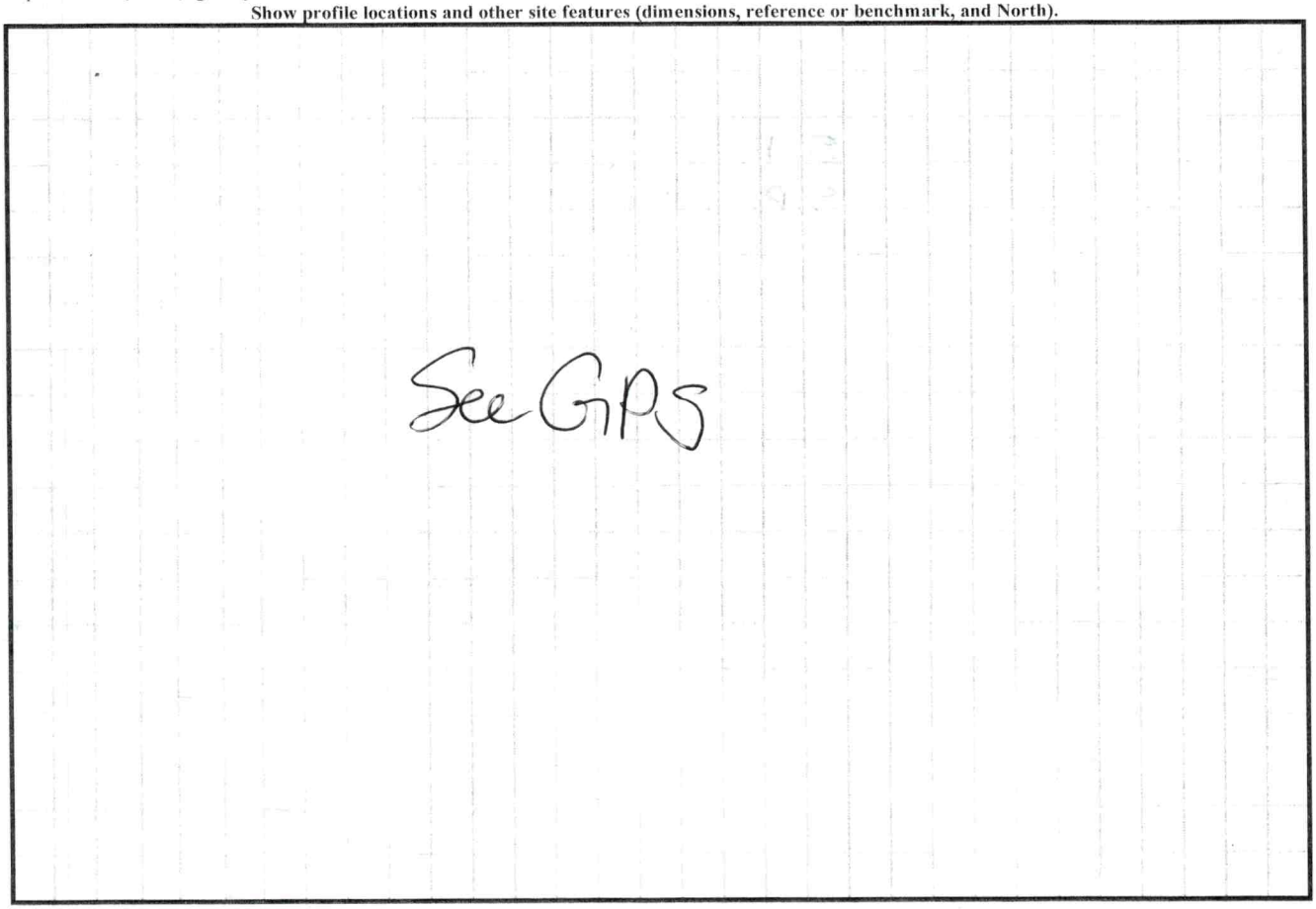
NOTES

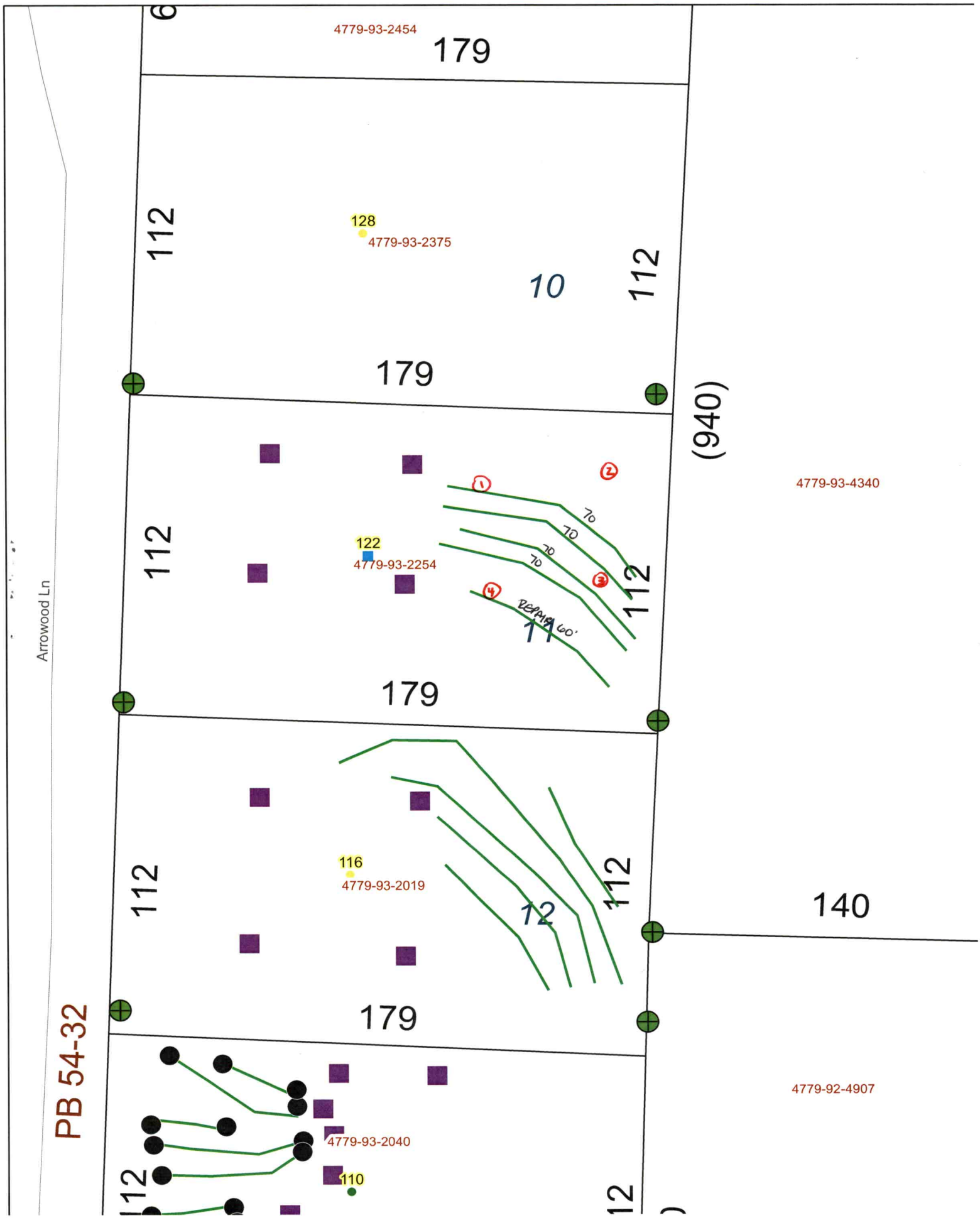
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

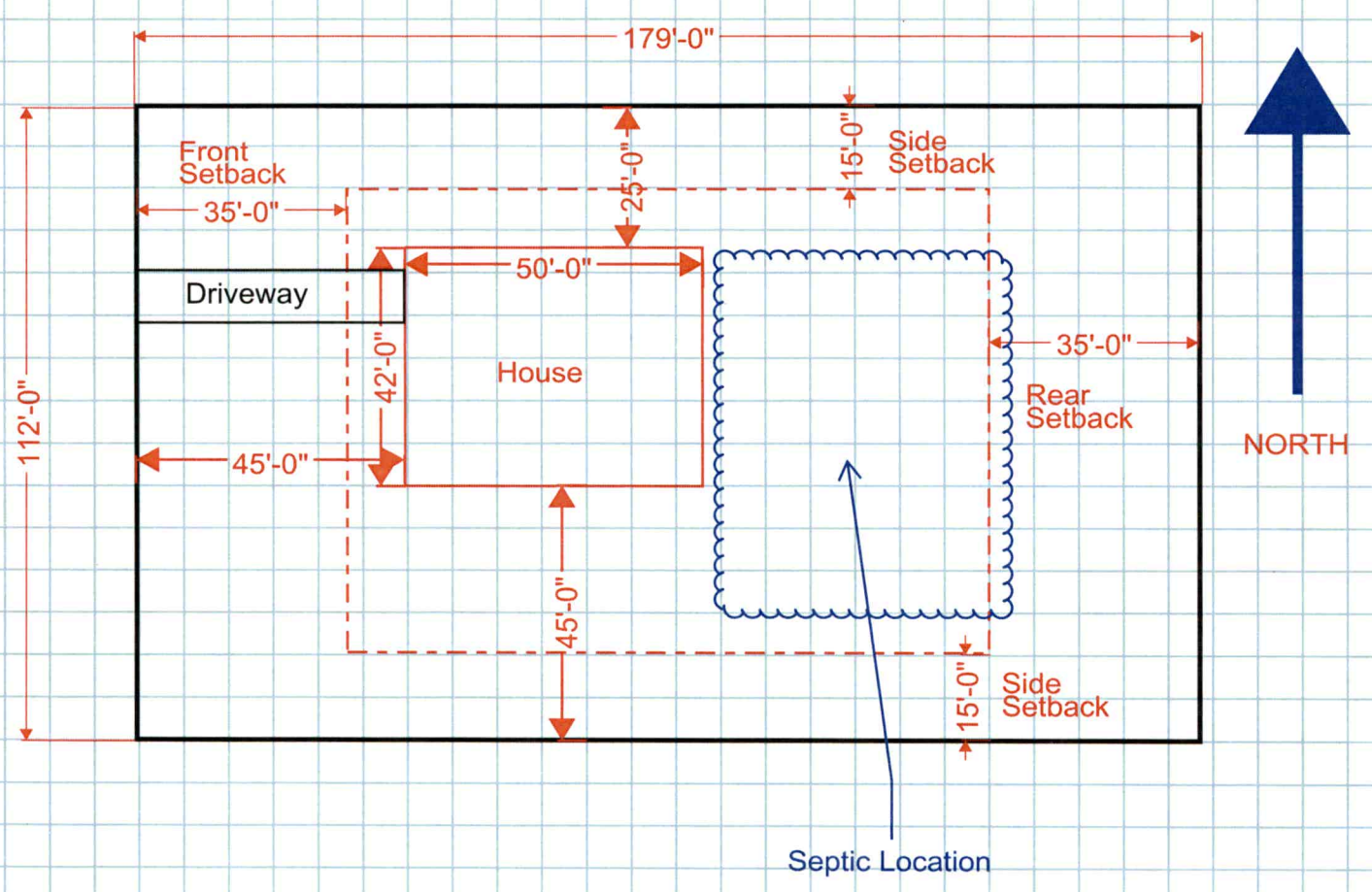
Long-term Acceptance Rate (LTAR): gal/day/ft^2

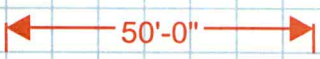
Show profile locations and other site features (dimensions, reference or benchmark, and North).




4779-93-2454
179
112
128
4779-93-2375
10
112
179
(940)
4779-93-4340
112
122
4779-93-2254
70
70
70
70
112
11
179
112
116
4779-93-2019
12
112
140
179
PB 54-32
4779-92-4907
4779-93-2040
110
Arrowood Ln

122 Arrowood Lane Harmony, NC 28634





PRINTER NOTE: DRAWINGS PRINTED TO SCALE ON 36" w X 24" t PAPER SIZE

ISSUED FOR CONSTRUCTION

FLOOR PLAN NOTES

1. ALL DIMENSIONS & SITE CONDITIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION
2. ALL DIMENSIONS ARE TO OUTSIDE OF CONCRETE WALL, C.M.U. WALL, VENEER OF FIER & CURTAIN WALL, OR OUTSIDE FACE OF STUD. NO WALL FINISHES, SIDINGS OR VENEERS ARE ASSUMED
3. CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL SITE CONDITIONS
4. ALL SQUARE FOOTAGE MEASUREMENTS ARE APPROXIMATE AND MAY DIFFER FROM ACTUAL CONSTRUCTED RESIDENCE OR BUILDING.
5. VERIFY ALL FINISHES (INTERIOR & EXTERIOR) TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
6. VERIFY ALL DOOR AND WINDOW STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION. MANUFACTURER TO SUPPLY ALL ROUGH OPENING SIZES.
7. CONTRACTOR TO LOCATE HVAC UNITS AND WATER HEATER AT SITE
8. ANGLES IN WALLS TO BE ASSUMED 45°, TYP. U.N.O.
9. VERIFY LOCAL CODE FOR LOCATION OF TEMPERED GLAZING REQUIREMENTS
10. EXTERIOR WALLS ARE TO BE 2X4 @ 16" O.C. TYP. UNLESS NOTED OTHERWISE
11. INTERIOR WALLS ARE TO BE 2X4 @ 16" O.C. TYP. UNLESS NOTED OTHERWISE
12. DOUBLE HUNG WINDOW STYLE IS TO BE TYPICAL UNLESS NOTED OTHERWISE COORDINATE COLORS AND SERIES TYPE WITH OWNER AND MANUFACTURER.

DOOR NOTES

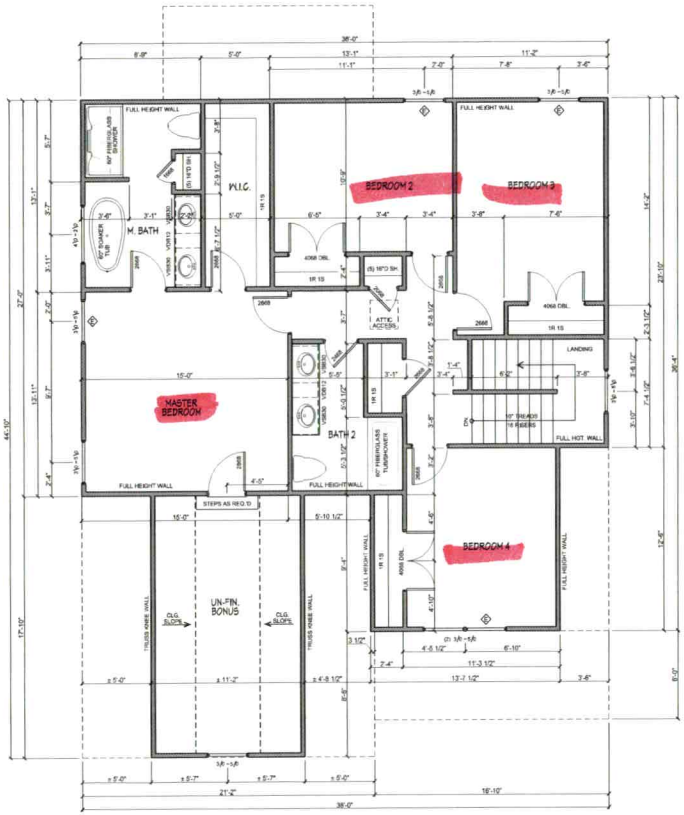
DOOR HEIGHT FEET & INCHES (6'-8")

DOOR WIDTH FEET & INCHES (2'-6")

1. PROVIDE WEATHER STRIPING ON ALL DOORS TO UNHEATED SPACE AND EXTERIOR DOORS
2. ALL GLAZING IN DOORS IS TO BE TEMPERED
3. COORDINATE DOOR PANEL STYLE WITH OWNER
4. COORDINATE HARDWARE STYLE WITH OWNER
5. SEE ELEVATIONS FOR ADDITIONAL DOOR INFORMATION

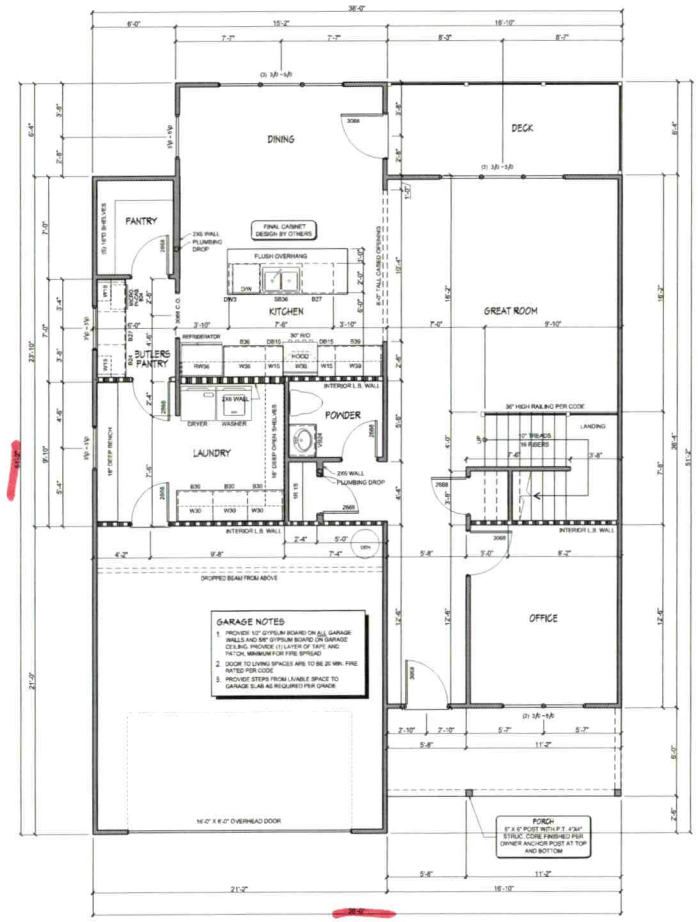
EGRESS NOTE

SYMBOL INDICATES THAT THE WINDOW MUST MEET EMERGENCY EGRESS REQUIREMENTS PER LOCAL BUILDING CODES. SEE WINDOW MANUFACTURERS DESIGN MANUAL FOR FURTHER DETAILS / INFORMATION. WINDOW SIZE MAY BE ADJUSTED IF SIZE SHOWN IS INADEQUATE TO MEET LOCAL REQUIREMENTS



FRONT

UPPER LEVEL



FRONT

MAIN LEVEL

D&T HOME DESIGNS

DESIGNER
Phone: (704)-233-8080
eMail: DTHomeDesign@QMail.Com

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THIS DRAWING IS NOT TO BE REPRODUCED OR USED TO CONTRACT ANY BUILDING WITHOUT THE WRITTEN AUTHORIZATION OF D&T HOME DESIGNS, LLC.

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D&T HOME DESIGNS, LLC. HAS TAKEN GREAT CARE IN THE PREPARATION OF THESE PLANS. HOWEVER SINCE CODES ARE SUBJECT TO CHANGE AND INTERPRETATIONS VARY WE DO NOT GUARANTY COMPLIANCE WITH ANY SPECIFIC CODE OR ORDINANCE. CONTRACTOR IS TO VERIFY COMPLIANCE AND MAKE MODIFICATIONS AS NEEDED. THESE PLANS SHOULD BE REVIEWED BY A LOCAL ENGINEER OR ARCHITECT FOR STRUCTURAL DESIGN COMPLIANCE. D&T HOME DESIGNS, LLC ASSUMES NO RESPONSIBILITY FOR ANY HOME CONSTRUCTED USING THESE PLANS.

SQUARE FOOTAGE

Main Level - Heated	1216 S.F.
Upper Level - Heated	1142 S.F.
Front Covered Porch	101 S.F.
Garage	441 S.F.
Un-Finished Bonus	199 S.F.
Total Heated -	2358 S.F.
Total Under Roof -	3099 S.F.

REVISIONS

No	Date	By	Description

Drawn By: DRG | Issue Date: 01.21.24

Customer Name:
Eagle Mills Investments LLC

House Plan 23B

Plan Design Number:
R-2023-230

Sheet Title:
FLOOR PLANS

SCALE: 1/4" = 1'-0"

Sheet No.:
B3.0