IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 23269L/AR 51504

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

PIN # 4638227315

APPLICANT/OWNER: Niblock Homes LLC | APPLICANT ADDRESS: 759 Concord Parkway N Ste 20 Concord NC 28027

SITE ADDRESS: 116 Hillside Cove Ct Mooresville NC 28117 | PHONE: | ALT. PHONE:

SITE DIRECTIONS: NC 150 W to R on Robinson Rd, R on Robinson Ridge Rd, R on Hillside cove ct Lot on R | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Robinson Ridge | SECTION: 1 | LOT # 11 | LOT AREA: 1.094 acres | DESIGN FLOW: 480 GPD | L.T.A.R.: .3

Septic Tank	1000 (gal)	STB Norwesco 2092	Date —	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	1000 (gal)	PT Norwesco 2092	Date —	System Description: LPPPBPS				☐ Business	No. Persons 8
Pump Make		Model	Serial #	Repair System Description: Drip				☐ Other	No. Employees
# Nitrification Fields	1	# Lines 3	Linear Ft 270	Maintenance Agreement Required:	☒ YES	☐ NO		☐ Slab	☐ Crawl Space
Trench Width	24"	Trench Bottom Depth(Low side)	36"	Gravel Depth —	☐ GRAVITY	☒ PRESSURE		☒ Basement w/plumbing	☐ Basement w/o plumbing

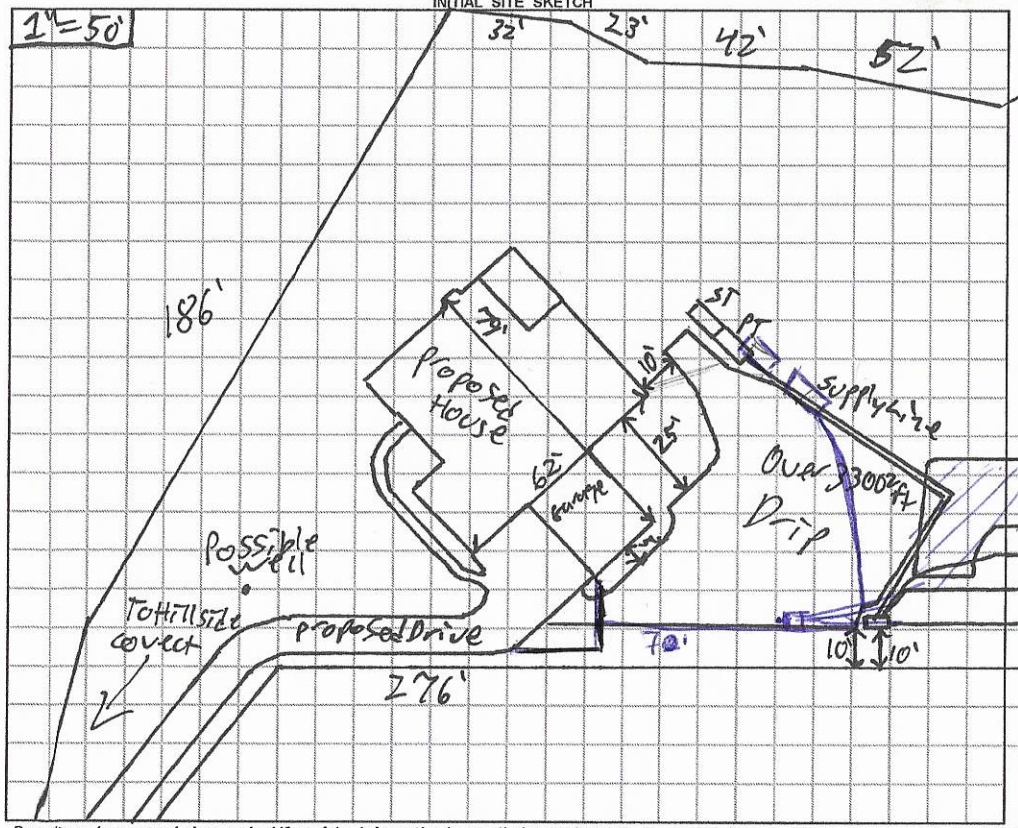
Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install lines on contour. DO NOT drive on, store material or manipulate drainfield in any way. All property lines and corners must be marked by a licensed surveyor during time of installation and inspection.

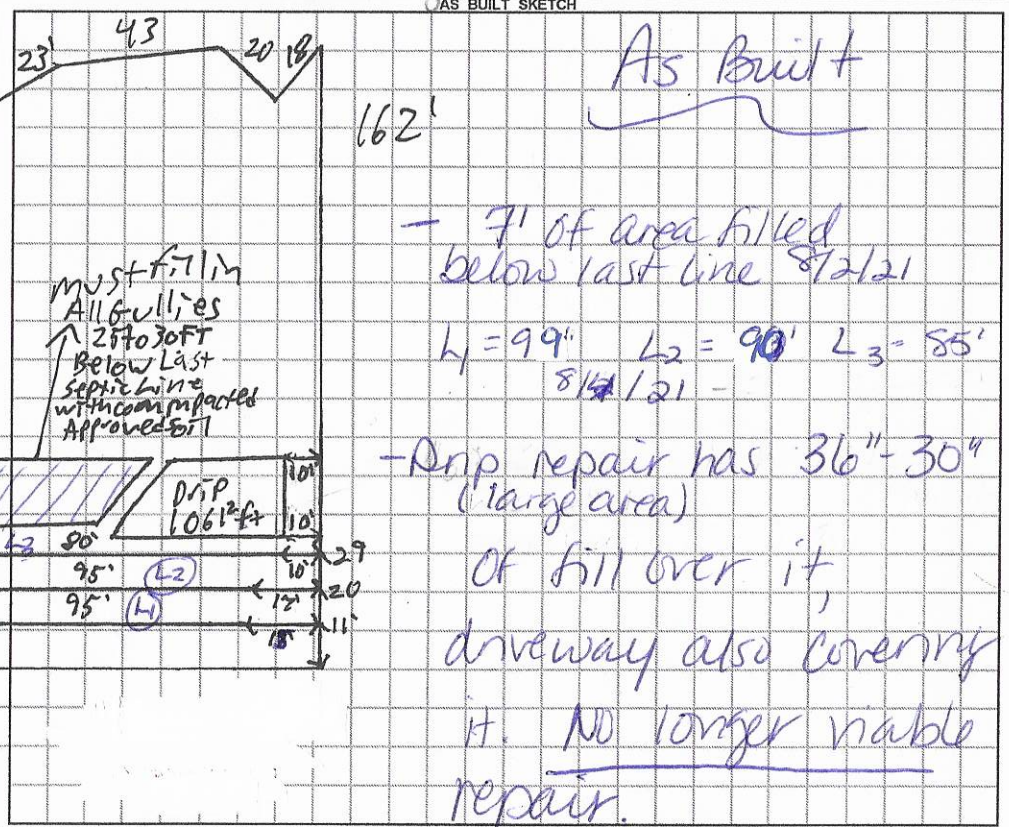
5/32" holes used - 25.54 gpm

Dose = 224 g
10.6" diameter
8.8 run time

INITIAL SITE SKETCH



AS BUILT SKETCH



As Built

- 7' of area filled below last line 8/2/21

L_1 = 99' L_2 = 90' L_3 = 85'

8/2/21

- Drip repair has 36" - 30" (large area) of fill over it, driveway also covering it. No longer viable repair.

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: William T Niblock | Date: 1/29/2021 | Installed by: (Alan Hoke) Larry Henkel Grading

IMPROVEMENT PERMIT by: Patrick J Boyce III | Date: 1/25/2021 | OPERATION PERMIT by: James Bozzo (as) | Date: 8-13-21

AUTHORIZATION TO CONSTRUCT by: Patrick J Boyce III | Date: 1/25/2021 | Existing System Inspected by: | Date:

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 232592 AP 313044.

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

PIN # 4638 --22 --7315

APPLICANT/OWNER: Mark Niblock APPLICANT ADDRESS: 759 Concord Parkway SFE 20 Concord NC

SITE ADDRESS: 116 Hillside Cove CT Mooresville NC 28117 PHONE: ALT. PHONE 704-201-6701

SITE DIRECTIONS: Hwy 150 to Robinson Road @ Robinson Ridge @ on Hillside SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Robinson Ridge SECTION: 1 LOT # 11 LOT AREA: 1.094/Ac DESIGN FLOW: 480 L.T.A.R.: .30

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	1000	(gal)	PT	Date	System Description:	LP-PPBPS- 50% Reductin			☐ Business	No. Persons	8	☑ Private
Pump Make		Model		Serial #	Repair System Description:	LP-PPBPS-50% Reductin			☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft	270	Maintenance Agreement Required:	☑ YES	☐ NO	☐ Slab	☐ Crawl Space		☐ Community
Trench Width	24in	Trench Bottom Depth (below grade)		36in	Gravel Depth		☐ GRAVITY	☑ PRESSURE	☑ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: * Purpose of this permit is due to change in Repair Area
* Design * System installed

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Septic Environmental Solutions Inc.

LSS # 1134. Dated 8/12/2021

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.

	Date	Initials
Drain Lines Checked	8/4/21	DW
Tanks Checked	8/4/21	DW
Pressure Manifold or Valve Box Checked	8/11/21	DW
Pressure Head Set	8/11/21	DW
Electrical Checked	8/13/21	JB
Floats Set	8/11/21	DW
Alarm Checked	8/11/21	DW
Maintenance Contract (Y) / N	8/13/21	JB

* verify tanks are no more than 36" below grade

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: 8-13-21 Installed by: Alan Hoke

IMPROVEMENT PERMIT by: Date: 8-12-2021 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 8-12-2021 Existing System Inspected by: Date:

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

8-12-2021

Design Specifications for Lot 11 Robinson Ridge, Iredell, North Carolina

Note: "The *LSS* Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11. (c)."

Daily Design Flow	480	gals
Number of Bedrooms	4	bedrooms Existing
Basement or Crawlspace	Basement	
Dellinger Septic Tank Size, STB-338	1000	gals. Effluent Poly Lock PL68 Filter or equal. Existing
Dellinger Pump Tank Size, PT-141,	1000	gals Existing
Sim/Tech Effluent Filter on Pump Tank	Yes	Connection inside pump tank vault and on supply line.
Primary System Loading Rate (LTAR)	0.30	gpd/ft^2 LTAR were determined by soil evaluations by Septic Environmental Solutinos, Inc.
Number of Lines	3	Total LP PPBPS, See Scaled Dwg. At grade panel Existing
Primary System	270	ft. Requires 267ft
Trench Width	2	ft
Trench Spacing	8	ft
Trench Maximum Depth	36	inches
Pump required	Yes	
Distribution Device	Yes	Gate Valve Box with LPP Panel Distribution
Maintenance Agreement Required	Yes	Contracted by Septic Environmental Solutions, Inc.
Length and Diameter of Supply Line	50	2" SCH 40 PVC
Lateral Diameter	Yes	1 1/4 SCH PVC
Number of T&J Panels	62	Total panels for primary system
Barrel Diameter	Yes	4 " SCH 80 PVC
Flow Rate through System	31	gpm– use 5/32" holes with 3ft head
Elevation Head+ Pump Height	5	ft
Pressure Head	3	ft.
Friction Head	2.37	ft.
20% Contingency	2	ft.
Total Head	12.4	ft.
Pump Requirements	31	gpm. with 13-ft of Head; Use Goulds WE03L Pump or Equivelent with Compatible Electrical
Dosing Volume	224	s
Dose Float, Drawdown	7.72	
Pump run time per dose, approximate	7.2	min
Check Valve	Yes	
Siphon Break Hole	Yes	
Repair System Loading Rate	0.30	gpd/ft2
Repair System	Yes	LP PPBPS, See attached dwg.
Total foot of Repair	289+	ft

Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occures, reduce floats by 25 gallons and reset until no overflow is observed.

LPPPPBPS Design Worksheet (Primary System)					File #/Name:	Robinson Ridge
System Requirements					Tax #:	4638227315.000
Number of bedrooms	4				Lot	11
Craw Space/Basement	CrawlSpace					
Daily Design Flow	480.00	gpd			Address:	Iredell County
LTAR	0.30	gpd/ft.^2			Consultant:	Septic Environmental Solutions Inc.
Linear footage	533.33	ft. (Conventional)			Phone:	704-502-5588, Fax 704-684-1469
Linear footage	266.67	ft. (50% Reduction)				
Trench Maximum Depth	36	inches				
Laterals	Length (ft)	# Panels	Calculated			
Line # 1	95	22	22			
Line # 2	95	22	22			
Line # 3	80	18	18			
Line # 4		0	0			
Line # 5		0	0			
Line # 6		0	0			
Line # 7		0	0			
Line # 8		0	0			
Line # 9		0	0			
Line # 10		0	0			
Line # 11		0	0			
Line # 12		0	0			
Totals	270	62	62			
	*Lines longer than 70 ft. must be center-fed to comply with sewage rules.					
Absorption Area						
Length (ft)	Width (ft)	Spacing	Area (ft^2)			
270	2	8	3000.00			
System Pressure Head	3	ft.	Value selected by system designer (must be between 2-5 ft.)			
Orifice Diameter	5/32	in.	Size selected by system designer (1/8 in. minimum)			
Flow Rate per Orifice/Panel	0.5	gpm	Determined from orifice flow design table (use table from Flow Rate tab)			
Total System Flow Rate	31	gpm	Total number of panels required multiplied by the orifice flow rate			
System Dose Volume	224	gal.	Total number of panels required multiplied by 3.6 gal./panel			
Doses Per Day	2.2	cycles	Number of dose cycles per day based on daily design flow. Daily design flow divided by system dose volume.			
Pump Run Time	7.23	min.	System dose volume divided by the total system flow rate			
Pump Tank Volume / Inch	29	gal./in.	1,000 gal. Pump tank, volume is approximately 21 gallons per inch. 1,500 gal. pump tank, volume is approximately			
			29 gallons per inch. Contractor is responsible in verifying tank gallons per inch.			
Pump Tank Drawdown	7.72	in.	System Dose Volume divided by gallons per inch for the designed tank size.			
Supply Line Length	50.00	ft				
Elevation head+pump height	5.00	ft.				
Friction Head	2.37	ft.				
20% Contingency	2.07	ft.				
Total Head	12.4					
Comments:						
1. Install system using 2 ft. wide trenches.						
2. Install drainlines on 8 ft. centers (to be specified by the designer) and must be level and on contour.						
3. System design requires effluent pump for distribution.				Yes		
4. Requires repair septic system.		Yes		Cells with blue shading require user input.		
5. Maintanance Agreement Required		Yes		Cells with yellow shading are automatically calculated.		

T&J Panel Summary Table	
Linear Feet	# Panels
20	5
30	7
40	9
50	11
60	14
70	16
80	18
90	21
100	23
110	25
120	17
130	30
140	32
150	34
160	37
170	39
180	41
190	43
200	46

Sheet 1 of 1
PROPERTY ID #: 4638223
COUNTY: Iredell

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

OWNER: MR. mark Hilbert — APPLICATION DATE: 8-11-21
ADDRESS: 959 Concord Parkway, STE 20 Concord, NC 28027 — DATE EVALUATED: 8-6-21
PROPOSED FACILITY: 4 — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 1.69
LOCATION OF SITE: 116 Hillsdale Cove Ct, Mooresville, NC 28117 Lot 11 — PROPERTY RECORDED: 1983
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	L/10%	0-20	L/VFR/cr	WK/NS/NP/NAP	NONE	48	NONE	48+	0.30
		20-48	c/FI/WK/SBK	S/P/SSEP					
2	Possible Fill L/10%	0-10	L/VFR/cr	WK/NS/NP/NAP	NONE	62	NONE	62	0.30
		10-15	cl/VFR/SBK	WK/NS/NP/NAP					
		15-62	c/FI/SBK	WK/S/P/SSEP					
3	L/5%	0-6	L/VFR/gr	WK/NS/NP/NAP	NONE	60	NONE	60	0.30
		6-48	CL/FR/FI/SBK	WK/SS/SP/SSEP					
		48-60	SL/c/FI	WK/SBK/S/P/SSEP					
4	L/40%	0-10	L/VFR/gr	WK/NA/NP/NS	NONE	70			
		10-70	c/FI	WK/SBK/S/P/SSEP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	ER/Mnd System	270'
System Type(s)	50% Conv Bed	50% Conv Bed
Site LTAR	0.30	0.30

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

LICENSED SOIL SCIENTIST
KENNETH L. OWENS
2134
STATE OF NORTH CAROLINA

COMMENTS:

Updated February 2014

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

Sheet 1 of 1
PROPERTY ID #: 0763877491
COUNTY: Iredell

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

Lot 11

OWNER: Kenny Owens
ADDRESS: 126 Hillside Cove Ct
PROPOSED FACILITY: SFD
LOCATION OF SITE: 480 to Robinson to Robinson Ridge

APPLICATION DATE 12/13/17
DATE EVALUATED: 1/24/18
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: 1.093ac
PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other u/k
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 2%	0-48	SBK C	fi SF	PS	PS	W/A	W/A	PS .3
		48-60	WSBK BC	fi/fr SE					
2	L	0-4	SCL	fr SE	PS	PS	W/A	32"	PS Drip .3
		4-33	SBK C	fi SE					
		33-40	rock	mass w/a					
3	L	0-22	SCL	fr SF	PS	PS	W/A	W/A	PS .3
		22-51	SBK C	fi SE					
		51-75	BC	fi/fr SE					
4	L	0-4	SCL	fr SE	PS	PS	W/A	W/A	PS .3
		4-46	SBK C	fi SE					
		46-55	WSBK BC	fi/fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	IV	IV
Site LTAR	.3	.1

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: LJ Snow
OTHER(S) PRESENT:

COMMENTS:

RECEIVED AUG 1 2 2021

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

$500.00

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM* AP-232592 AP-313044 fee ok SL

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) 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 (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: MR. MARK DeHART Address: 759 CONCORD PARKWAY STE 20 CONCORD, NC Zip: 28027
Applicant Email: mwilhart@dr.horton.com Phone: _____ Alt. Phone: 704-201-6701
Owner Name: MR. MARK DeHART Address: AS ABOVE Zip: _____
Owner Email: mwilhart@dr.horton.com Phone: 704-201-6701 Alt. Phone: _____

Property Information:

Street Address: 116 Hillside Cove Ct, Mooresville, NC 28117
Subdivision Name: Robinson Ridge Section/Phase: _____ Lot Number: _____
Driving Directions: I-77 150W to R on Robinson Rd, R on Robinson Ridge Rd R on Hillside Ct on R.

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
(X) Other Addition/Structure: _____
Non-Residential Site Development: Type of Business: NA
Square Footage of Building: _____ Max. Number of Employees: ____ Max. Number of Seats/Beds/Other: ____

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

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: NA Number of Persons: _____
(X) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) 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: Mark C. Wilhart 8-10-2021
Property owner/or owner's legal representative signature (SIGNATURE REQUIRED) DATE

AGENT AUTHORIZATION FORM

PROPERTY LEGAL INFORMATION

PROPERTY OWNER NAME: Mr. Marc Niblock

PROPERTY STREET ADDRESS: 116 Hillside Cove Ct, Mooresville, North Carolina, 28117

TAX PARCEL ID: 4638227315

LOT #: 11

SECTION/PHASE: NA

I, Mr. Marc Niblock, am the legal owner of the property located at 116 Hillside Cove Ct, Mooresville, North Carolina, 28117 (address, subdivision and lot#). The tax parcel Identification numbers(s) 4638227315, located in Iredell, North Carolina.

I do hereby authorize Mr. Kenneth Owens, Septic Environmental Solutions, Inc. (print agent and company name, if Applicable), to act as an agent on my behalf in applying for/signing/obtaining any of the documents Associated with Iredell County Environmental Health.

BUYER/PROPERTY OWNER ADDRESS (IF DIFFERENT THAN PROPERTY ABOVE):

_____

_____

CONTACT INFORMATION: _____

WE HEARBY CERTIFY THE ABOVE INFORMATION SUBMITTED IN THIS APPLICATION IS TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE.

"The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section11. (e)."

Marc C. Niblock

AUTHORIZED SIGNATURE

DATE: 8-10-2021

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☐ 1. * APPLICANT AND OWNER ARE THE SAME. * (*Sign here*) _____

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.

☒ 2. I, Marc Niblock, am the legal owner(s) of the property located at Lot 11 116 Hillside Cove Ct, Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4638 2273 15, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** Kenneth Lee Baker Septic Env. Svc, 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.

Marc C. Niblock
Signature of Owner(s)

8-10-2021
Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

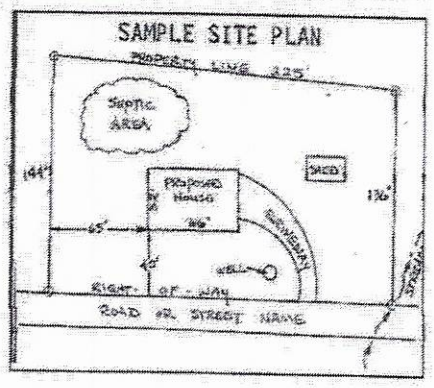
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *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:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- (X) 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

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

SEE ATTACHED

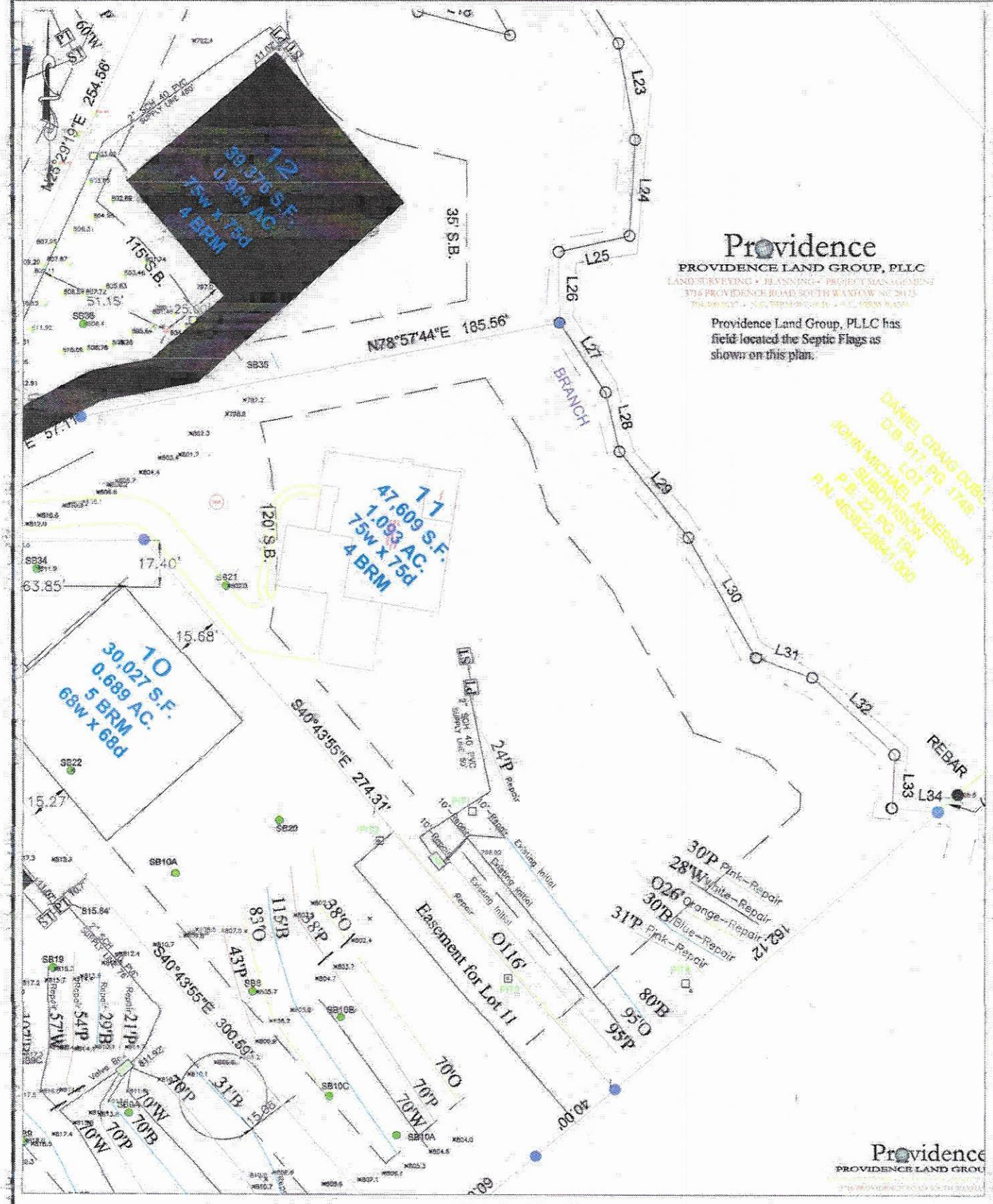
Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

8-10-2021

DATE

Robinson Ridge Subdivision

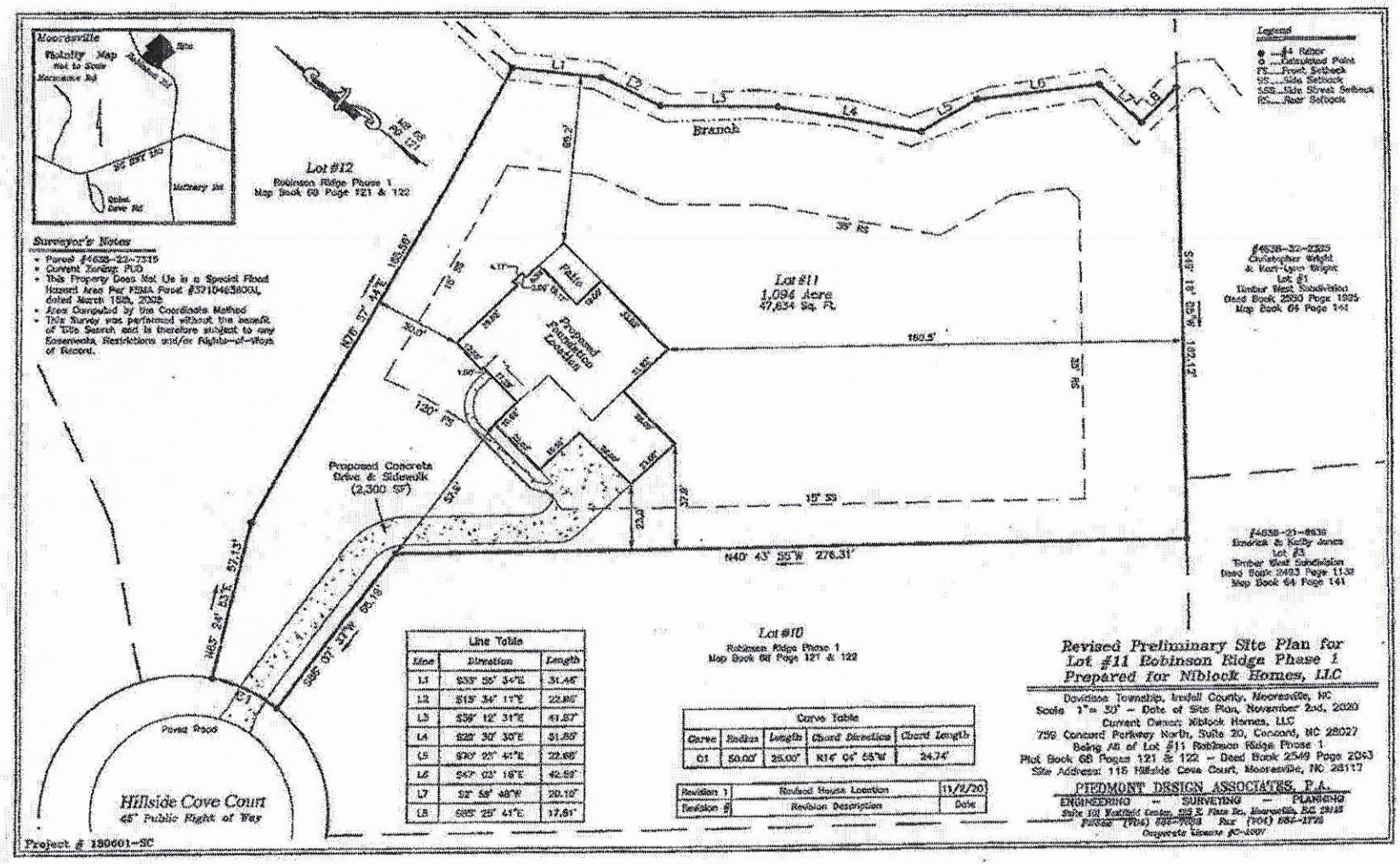


SEPTIC ENVIRONMENTAL SOLUTIONS, INC.

3019 SPRING FANCY LANE, INDIAN TRAIL, NORTH CAROLINA, 704-502-5588

50' 0' 25' 50'

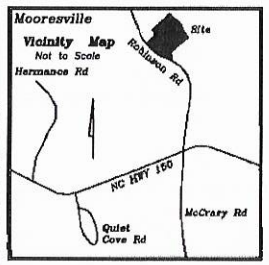
1" = 50'


Mooresville
Vicinity Map
not to Scale
Site
Mocksville Rd
Hillside Cove Rd
Mallory Rd
Lot #12
Robinson Ridge Phase 1
Map Book 68 Page 121 & 122
Surveyor's Notes
Parcel #4638-22-7315
Current Zoning: PUD
This Property Does Not Lie in a Special Flood Hazard Area Per FEMA Panel #3710463800J, dated March 15th, 2018.
Area Computed by the Coordinate Method
This Survey was performed without the benefit of Title Search and is therefore subject to any Easements, Restrictions and/or Rights-of-Ways of Record.
Lot #11
1.094 Acre
47,634 Sq. Ft.
Proposed Residence Location
Patio
Proposed Concrete Drive & Sidewalk (2,300 SF)
Branch
Legend
#4 Rebar
Calculated Point
FS...Front Setback
SS...Side Setback
SSS...Side Street Setback
RS...Rear Setback
#4638-32-2325
Christopher Wright
& Kari-Lynn Wright
Lot #1
Timber Rest Subdivision
Deed Book 2930 Page 1925
Map Book 64 Page 141
#4638-21-8836
Emerick & Kelly Jones
Lot #3
Timber Rest Subdivision
Deed Book 2483 Page 1138
Map Book 64 Page 141
Lot #10
Robinson Ridge Phase 1
Map Book 68 Page 121 & 122
Hillside Cove Court
45' Public Right of Way
Paved Road
Project # 180601-SC
Line Table
Line | Direction | Length
L1 | S33° 20' 34"E | 31.46'
L2 | S15° 34' 11"E | 22.86'
L3 | S39° 12' 31"E | 41.57'
L4 | S25° 30' 30"E | 31.59'
L5 | S70° 25' 41"E | 22.68'
L6 | S67° 02' 16"E | 42.59'
L7 | S2° 58' 48"W | 20.10'
L8 | S85° 25' 41"E | 17.61'
Curve Table
Curve | Radius | Length | Chord Direction | Chord Length
C1 | 50.00' | 25.00' | N14° 04' 55"W | 24.74'
Revision 1 | Revised House Location | 11/11/20
Revision # | Revision Description | Date
Revised Preliminary Site Plan for
Lot #11 Robinson Ridge Phase 1
Prepared for Niblock Homes, LLC
Davidson Township, Iredell County, Mooresville, NC
Scale 1"= 30' – Date of Site Plan, November 2nd, 2020
Current Owner: Niblock Homes, LLC
726 Concord Parkway North, Suite 20, Concord, NC 28027
Being All of Lot #11 Robinson Ridge Phase 1
Plat Book 68 Pages 121 & 122 – Deed Book 2549 Page 2043
Site Address: 115 Hillside Cove Court, Mooresville, NC 28117
PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING – SURVEYING – PLANNING
Suite 101 Fairfield Lndg. 555 E Plaza Dr. Mooresville, NC 28115
Phone (704) 662-4908 Fax (704) 662-2778
Corporate License #C-1907

Septic Field Exhibit Map for Lot #11, located on Lot #10 Robinson Ridge Phase 1, prepared for Niblock Homes, LLC

Davidson Township, Iredell County, Mooresville, NC
Scale 1"= 30' – Date of Survey, August 6th, 2021
Current Owner: Niblock Homes, LLC
759 Concord Parkway North, Suite 20, Concord, NC 28027
Being All of Lot #10 Robinson Ridge Phase 1
Plat Book 68 Pages 121 & 122 – Deed Book 2549 Page 2043
Site Address: 114 Hillside Cove Court, Mooresville, NC 28117

PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING – SURVEYING – PLANNING
Suite 101 Northfield Center, 125 E. Plaza Dr., Mooresville, N.C. 28115
Phone (704) 664-7888 Fax (704) 664-1776
Corporate License #C-1007



Surveyor's Notes

- Parcel #4638-22-6217
- Current Zoning: PUD
- This Property Does Not Lie In a Special Flood Hazard Area Per FEMA Panel #3710463800J, dated March 18th, 2008
- Area Computed by the Coordinate Method
- This Survey was performed without the benefit of Title Search and is therefore subject to any Easements, Restrictions and/or Rights-of-Ways of Record.

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.

Curve Table				
Curve	Radius	Length	Chord Direction	Chord Length
C1	50.00'	50.50'	N29° 10' 42"E	48.38'

Line Table		
Line	Direction	Length
L1	N49° 00' 42"E	19.46'

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

Legend

- ● ....#4 Rebar
- ○ ....Calculated Point (CP)
- FS.....Front Setback
- SS.....Side Setback
- SSS....Side Street Setback
- RS.....Rear Setback

Project # 180801-SC

EXHIBIT "A"

Type: CONSOLIDATED REAL PROPERTY
Recorded: 8/11/2021 4:31:10 PM
Fee Amt: $26.00 Page 1 of 3
Revenue Tax: $0.00
Iredell County, NC
Maureen P. Purcell Register of Deeds

BK 2840 PG 2257 - 2259

Prepared by and Return to:
Law Offices of Robert M. Critz, P.A.
PO Box 745, Concord, NC 28026-0745
File No.: 28749-C and 28524-C

NORTH CAROLINA

PRIVATE SEPTIC FIELD EASEMENT

IREDELL COUNTY

THIS PRIVATE SEPTIC FIELD EASEMENT ("Easement") is made and entered into effective the 11th day of August, 2021, by and between **NIBLOCK HOMES, LLC,** a North Carolina limited liability company (hereinafter referred to as "**Niblock**"), Grantor, and **JOSEPH M. LEHMAN and wife, RAE L. LEHMAN** (hereinafter referred to as "**Lehman**"), Grantee.

RECITALS:

A. Niblock is the owner of that property bearing a street address of 112 Hillside Cove Court, Mooresville, North Carolina 28117, and being more particularly described as Lot No. 10 of Robinson Ridge, Phase I, Map Book 68, Pages 121 and 122, Iredell County Registry (hereinafter referred to as "**Lot No. 10**").

B. Lehman is the owner, of that property bearing a street address of 116 Hillside Cove Court, Mooresville, North Carolina 28117, and being more particularly described as Lot No. 11 of Robinson Ridge, Phase I, Map Book 68, Pages 121 and 122, Iredell County Registry, as set forth in that deed dated November 17, 2020, and recorded in Book 2755, Page 681, Iredell County Registry (hereinafter referred to as "**Lot No. 11**").

C. There is located upon Lot No. 11, a septic tank and related equipment/apparatus.

D. Located upon Lot No. 10, is a septic drain repair field associated with the septic system on Lot No. 10.

E. Subject to the terms and conditions of this Easement, Niblock will grant to the Lehman certain rights and easements so as to allow Lehman to maintain the septic system in general, and the septic drain repair field in particular.

NOW, THEREFORE, for a valuable consideration to the Grantor, in hand paid by the Grantee, the receipt of which is hereby acknowledged, the Grantor does hereby give, grant, and convey unto the Grantee, their heirs, personal representatives and assigns, a perpetual non-exclusive easement for the installation, use, inspection, repair and replacement of a septic repair field associated with that septic system otherwise located on the property of the Grantee, over, upon, and under, the following described property, with the right to keep clear of said area any obstructions that may hinder the proper use of the same for said purposes, and with the right of ingress, egress, and regress over and upon such property in connection with said use. The easement area is described as follows:

Submitted electronically by "Law Offices of Robert M. Critz, P.A."
in compliance with North Carolina statutes governing recordable documents
and the terms of the submitter agreement with the Iredell County Register of Deeds.

Lying and being in Mooresville Township, Iredell County, North Carolina, located on that property described as Lot No. 10 of Robinson Ridge, Phase I, Map Book 68, Pages 121 and 122, Iredell County Registry, and shown on the attached Exhibit Map titled "Septic Field Exhibit Map for Lot #11, located on Lot #10 Robinson Ridge, Phase 1, prepared for Niblock Homes, LLC" and labeled "Septic Field Easement for Lot #11" containing 0.059 acre (2,550 square feet), more or less, said Exhibit Map prepared by Piedmont Design Associates, P.A., dated August 6, 2021, which is attached hereto as Exhibit "A" and incorporated fully herein by reference.

By acceptance of this Easement, Grantee acknowledges all costs of installation, repair, operation and maintenance of the septic system and all components which serve Lot No. 11 of Robinson Ridge, shall be the sole responsibility of Grantee, their heirs, personal representatives and assigns.

TO HAVE AND TO HOLD the aforesaid easement, privileges, and rights unto the Grantee, their heirs, personal representatives and assigns forever.

IN WITNESS WHEREOF, the Grantor has executed this instrument effective the day and year first above written.

NIBLOCK HOMES, LLC,
a North Carolina limited liability company

By: Lisa F Koontz
Lisa F. Koontz, Authorized Signer

NORTH CAROLINA
CABARRUS COUNTY

I, Christin Coble, a Notary Public in and for said State and County of Rowan, do hereby certify that **Lisa F. Koontz**, authorized signer for Niblock Homes, LLC, a North Carolina limited liability company, personally appeared before me this day, and being by me duly sworn, says that she executed the foregoing and annexed instrument for and on behalf of Niblock Homes, LLC, and that her authority to execute and acknowledge said instrument is contained in that **CONSENT OF MANAGER OF NIBLOCK HOMES, LLC, TO ACTION WITHOUT MEETING**, which is an instrument duly executed and acknowledged, and recorded in Book 12240, Page 26, in the Office of the Register of Deeds for Cabarrus County, North Carolina, and that this instrument was executed under and by virtue of the authority given by said instrument; that the said **Lisa F. Koontz** acknowledged the due execution of the foregoing and annexed instrument for the purpose therein expressed for and on behalf of Niblock Homes, LLC.

Witness my hand and notarial seal, this the 11th day of August, 2021.

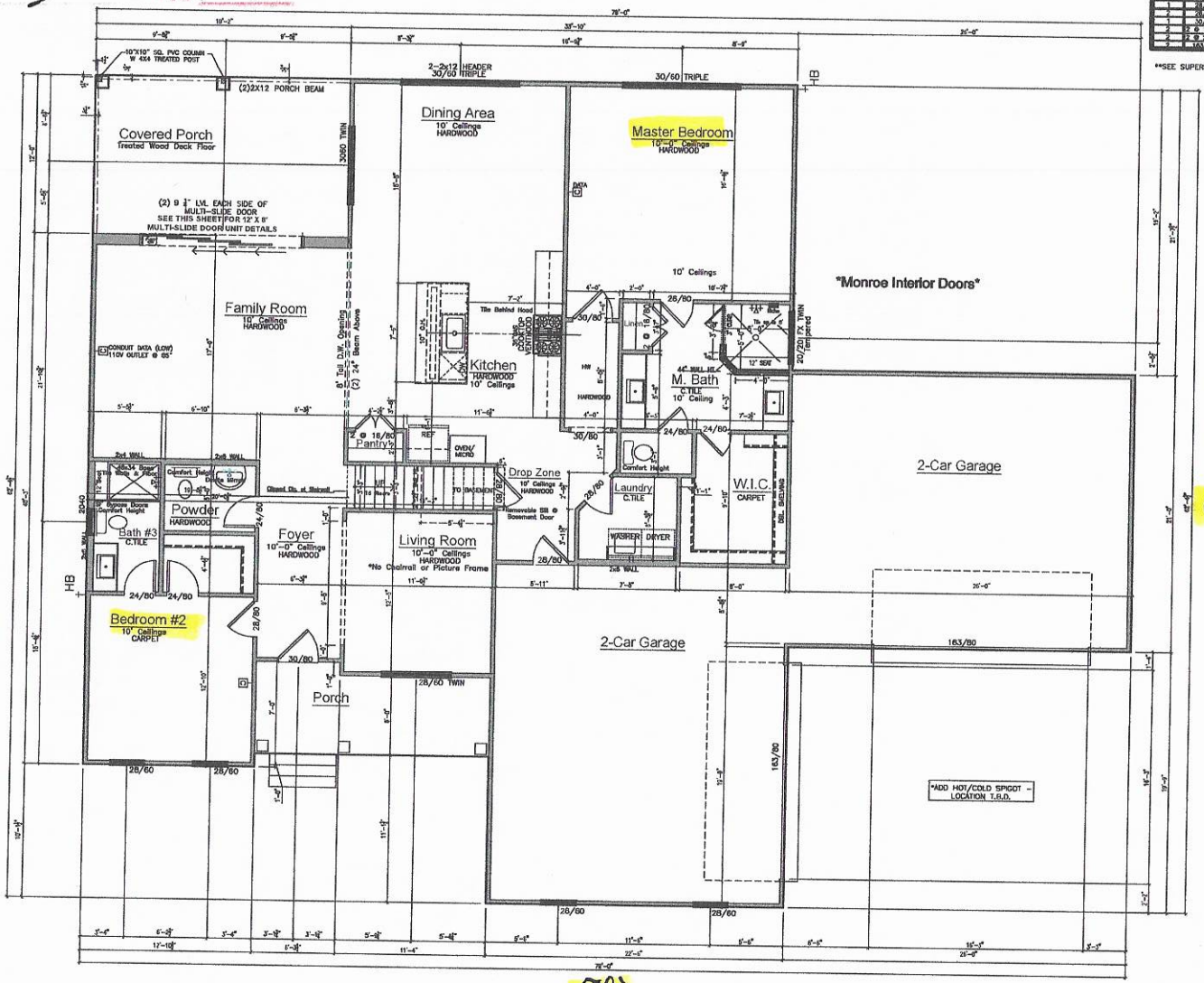
Christin Coble
Notary Public

My Commission Expires: 02/17/2023

(Notary Seal)

CHRISTIN COBLE
Notary Public
ROWAN CO., NC

Approved as Noted
Date 1/29/2021
Patrick J Boles III
Date 1/25/2021



DOOR SCHEDULE

QUANTITY	MARK	DOOR SIZE	TYPE	LOCATION	ROUGH OPENING
1	28/68	28 x 80	SLIDING PATIO DOOR	RA	28 1/4" x 80 1/2"
1	32/68	32 x 80	EXTERIOR	Right	32 1/4" x 80 1/2"
1	36/68	36 x 80	EXTERIOR	Right	36 1/4" x 80 1/2"
1	36/68	36 x 80	EXTERIOR	Left	36 1/4" x 80 1/2"
2 @ 30/80	2 @ 30 x 80	FRENCH - PAIR	RA	72 1/4" x 82 1/2"
1	24/80	24 x 80	INTERIOR	Right	24 1/4" x 82 1/2"
1	24/80	24 x 80	INTERIOR	Left	24 1/4" x 82 1/2"
1	26/80	26 x 80	INTERIOR	Left	26 1/4" x 82 1/2"
1	28/80	28 x 80	INTERIOR	Right	28 1/4" x 82 1/2"
1	28/80	28 x 80	INTERIOR	Right	28 1/4" x 82 1/2"
1	28/80	28 x 80	INTERIOR	Left	28 1/4" x 82 1/2"
1	30/80	30 x 80	INTERIOR	Left	30 1/4" x 82 1/2"
2 @ 18/80	2 @ 18 x 80	DUTCH - PAIR	RA	38 1/4" x 82 1/2"
2 @ 20/80	2 @ 24 x 80	DUTCH - PAIR	RA	50 1/4" x 82 1/2"
1	18/68	18 x 68	ENTRY	RA	18 1/4" x 68 1/2"

SEE SUPERINTENDENT FOR R.O. FRAMING ON POCKET DOORS

SQUARE FOOTAGES

	SQ. FT.
1ST FLOOR	2260
2ND FLOOR	1145
TOTAL LIVING	3305
GARAGE	1119
FRONT PORCH	112
COVERED PORCH	220
BASEMENT - UNFIN'D	2260

BLOCK DEVELOPMENT CORPORATION
759 CONCORD PARKWAY NORTH
CONCORD, NC
(704) 788-4818 FAX (704) 784-3720

Robinson Ridge Lot #11
Lehman Residence

FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0" (34X22)
SCALE: 1/8" = 1'-0" (17X11)

DATE: XX/XX/XXXX
PLAN: HARPER-A

DRAWN BY: XX
ESTIMATED BY: AK
CHECKED BY: MN/GE

UPPER LEVEL FRAMING NOTES:

BRACED WALL LINE NOTE:
THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING CONTINUOUSLY SHEATHED 7/16" OSB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

WHERE BRACED WALLS DO NOT MEET THE PRESCRIPTIVE REQUIREMENTS OF SECTION R602.10 OF THE CODE, IT HAS BEEN ANALYZED BY ENGINEERING ANALYSIS INCORPORATING ENGINEERED LATERAL BRACING ELEMENTS WHERE NEEDED TO MEET THE INTENT OF THE CODE. SEE PLANS FOR ALL NOTES AND DETAILS.

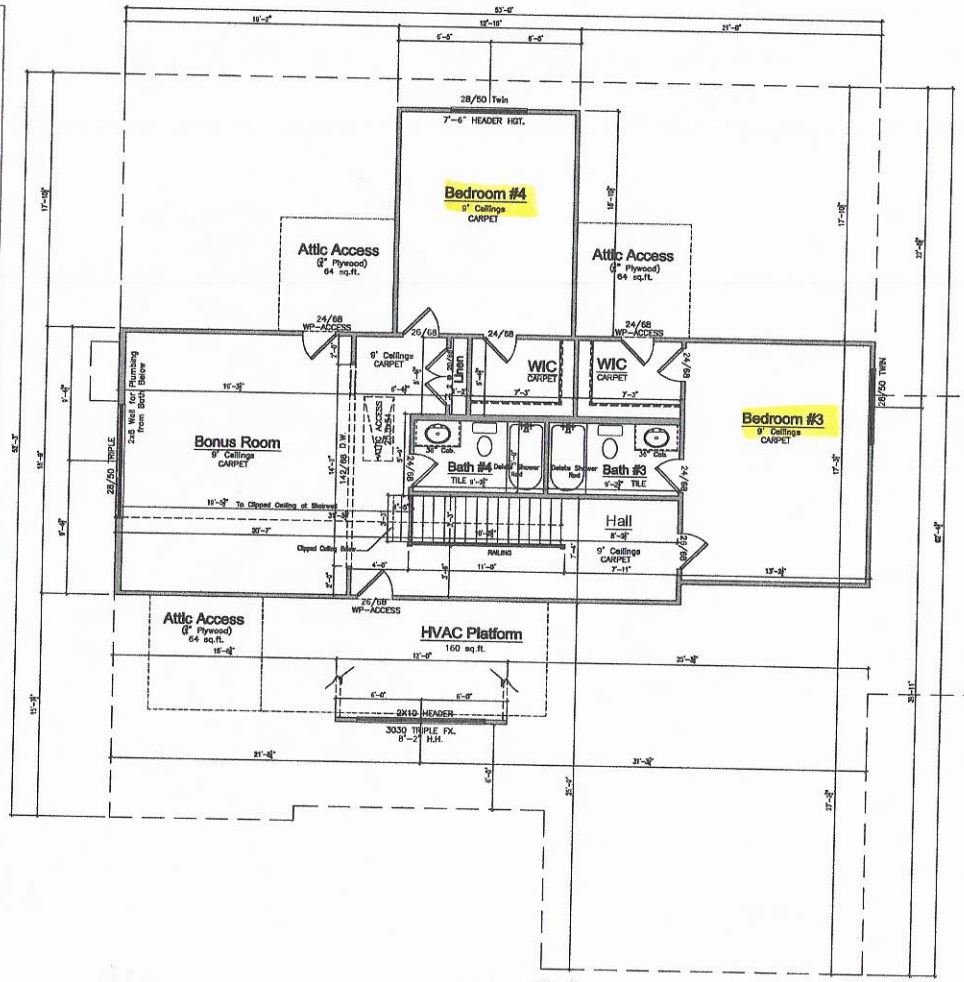
1. "T.T.R" INDICATES "TIE (CEILING JOIST) TO RAFTER WITH FOUR 3"X0.131" NAILS)
2. ALL LOAD- BEARING HEADERS SHALL BE (2)2X8 SPF#2 WITH 1 'J' AND 1 'K' UNLESS OTHERWISE NOTED ON THE PLAN.
3. ALL WALLS UP TO 10 FT. TALL SHALL BE A MINIMUM OF 2X4 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS SHALL COMPLY WITH TABLE R602.3(5) OF THE CODE OR AS NOTED ON THE PLAN.
4. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN:

MEMBER SIZE	SIMPSON HANGERS
(2) 2X8	LUS 28-2
(2) 2X10	LUS 210-2
(2) 2X12	LUS 210-2
(2) 1¾" X 9¼" LVL	HUS 410
(2) 1¾" X 11⅞" LVL	HUS 412
(2) 1¾" X 14" LVL	HUS 412
ALL TRIPLE LVLs	HHUS 5.50/10

5. NOTE: FILL ALL OF THE HOLES IN BEAM HANGERS WITH 16d x 3½" COMMON NAILS (3¼"x 0.162") OR 16d x2½" (2½"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10dX 1½" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY 1¾" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
6. "LVL" AND GLU-LAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2X4 OR (2)-2X6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.
7. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS -WHETHER WOOD OR STEEL-CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2X4 SQUASH BLOCKS (S.B.) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION WALL OR LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "S.B" IS INDICATED ON THE PLAN.
8. FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 5" LONG FLATLOK OR SIMPSON SDS SCREWS @ 16" o.c. AND FOUR PLY LVLs WITH TWO ROWS OF 6¾" FLATLOK SCREWS @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR BOTTOM OF THE BEAM.
9. FASTEN FIRST KING STUD TO LUMBER HEADER WITH AT LEAST THREE 16D (3½"X0.162") IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE OTHER WITH TWO ROWS OF 3"x0.131" NAILS AT 9"o.c. SEE R602.7.5 FOR NUMBER OF KING STUDS REQUIRED IF NOT NOTED ON PLANS.

'J' = JACK STUD 'K' = KING STUD 'ST'= STUD

10. CONTRACTOR TO PROVIDE 22"x30" ACCESS TO ATTIC.
11. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS.



Reviewed By Of
Plans ONL

Melissa T Mann Date 1/29/2021

Patrick J Boese III Date 1/25/2021

IBLOCK DEVELOPMENT CORPORATION
759 CONCORD PARKWAY NORTH
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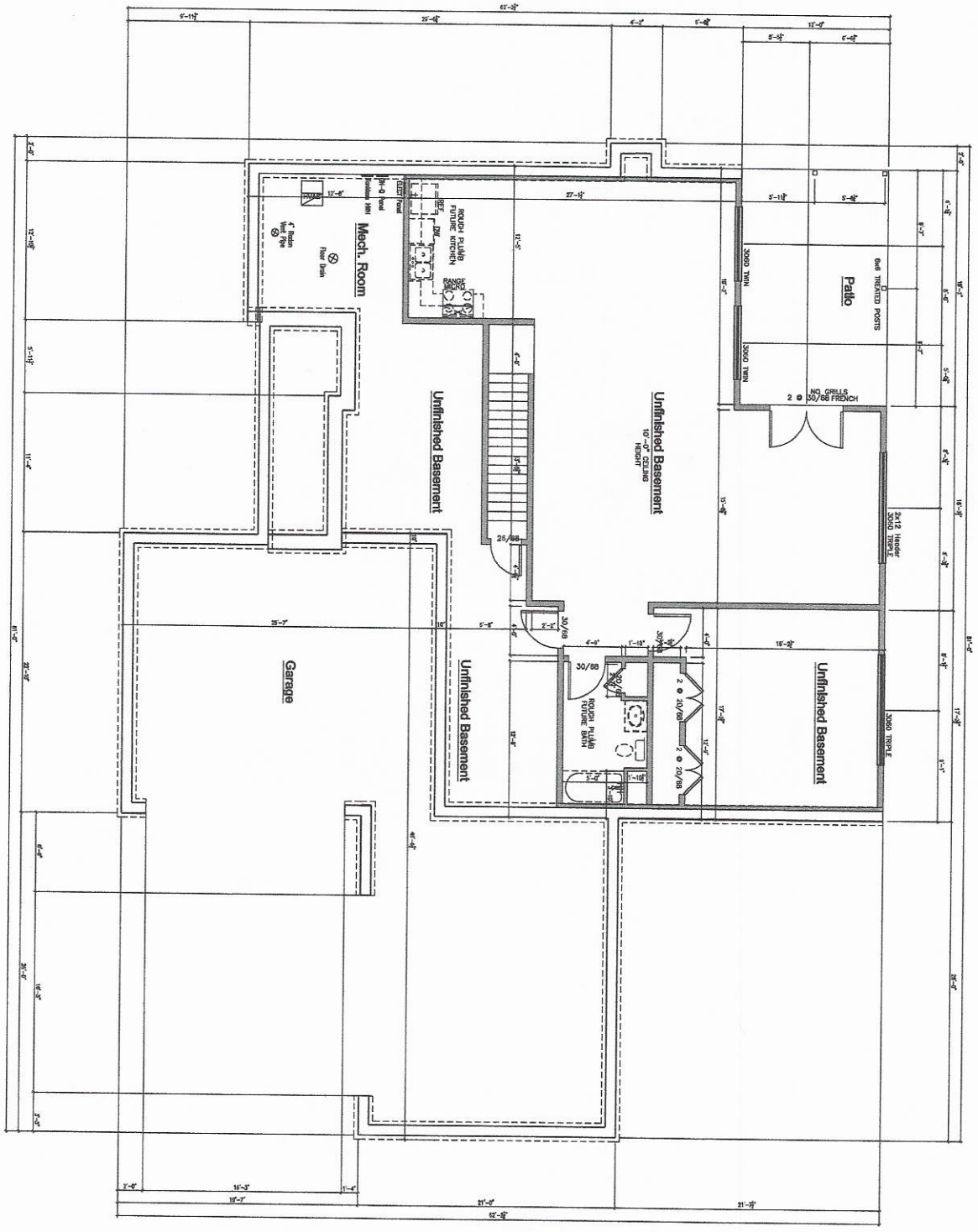
Robinson Ridge Lot #11
Lehman Residence

SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0" (34X22)
SCALE: 1/8" = 1'-0" (17X11)

DATE: xx/xx/xxx
PLAN: HARPER-A

DRAWN BY:XX
ESTIMATED BY:AK
CHECKED BY:MN/GE

Plans ONL
Date 1/29/2021
Date 1/25/2021



DATE: xx/xx/xxx
PLAN: HARPER-A
DRAWN BY:XX
ESTIMATED BY:AK
CHECKED BY: MN/GE

BASEMENT FLOOR PLAN

SCALE: 1/4" = 1'-0" (34X22)
SCALE: 1/8" = 1'-0" (17X11)

Robinson Ridge Lot #11
Lehman Residence

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