HS

ICHD–ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 247510

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

PIN # 4649028330-40

APPLICANT/OWNER: Hidden Meadows Ventures | APPLICANT ADDRESS: PO Box 4628 Mooresville NC 28117

SITE ADDRESS: 1673 Perth Rd Mooresville NC 28117 | PHONE: 919-606-5852 | ALT. PHONE

SITE DIRECTIONS: NC115N to L on Connector Rd, S on Cornelius Rd, R on Judas, L on Perth, Lot on L | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Hidden Meadows | SECTION: — | LOT # Out Parcel 2 | LOT AREA: 6.33 acres | DESIGN FLOW: 480 GPD | L.T.A.R.: 1.3

Septic Tank	1000	(gal)	STB Infiltrator	Date Infiltrator	☒ 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: Gravity 25% Reduction				☐ Business	No. Persons 8	☒ Private
Pump Make	—	Model	—	Serial # —	Repair System Description: LPPP & PS				☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft 400	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space	☐ Community
Trench Width	36"	Trench Bottom Depth(Low side)	29"	Gravel Depth —		☒ GRAVITY	☐ PRESSURE		☒ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Install Lines on contour. Do Not drive on, store material or manipulate drainfield in anyway. Fill all gullies and once filled drain lines must be 2' off. All Property Lines and corners must be marked.

INITIAL SITE SKETCH

See Attached and approved Site Plan by Soil and Forestry services of the Carolinas, PA. Dated 10/15/2020 PJB

AS BUILT SKETCH

1/21/2021: Tanks and drainlines checked and were good. pool was not marked

1/22/2021: pool was marked and good.

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**

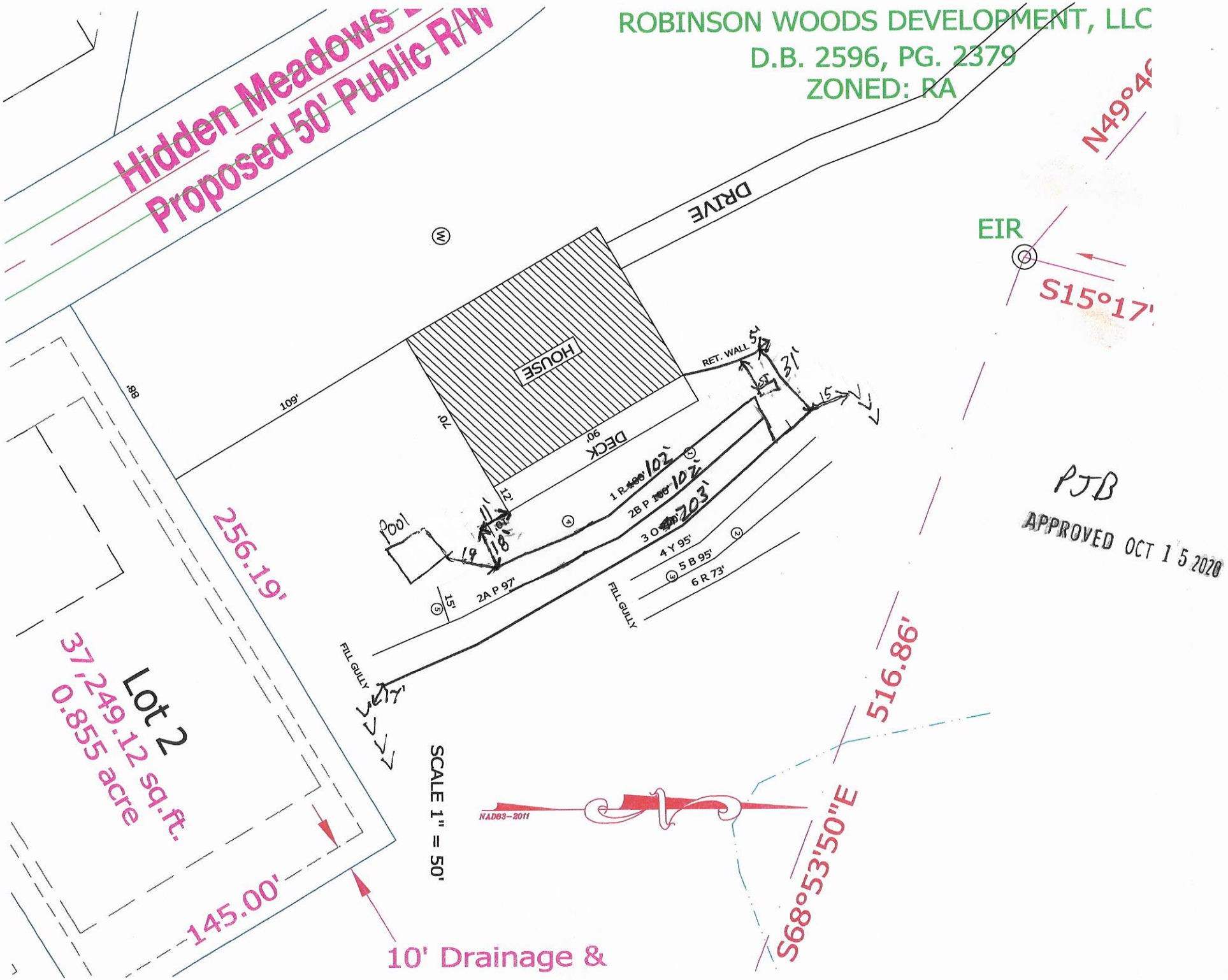
☐ IMPROVEMENT PERMIT *with plat valid without expiration.* ☒ IMPROVEMENT PERMIT *with site plan valid for 60 mos.* ☒ AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 10/19/2020 Installed by: (Steve Jordan) Piedmont Backhoe Service

IMPROVEMENT PERMIT by: Patrick J Bagley III Date: 10/15/2020 OPERATION PERMIT by: Patrick J Bagley III Date: 1/22/2021

AUTHORIZATION TO CONSTRUCT by: Patrick J Bagley III Date: 10/15/2020 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.


ROBINSON WOODS DEVELOPMENT, LLC
D.B. 2596, PG. 2379
ZONED: RA
Hidden Meadows
Proposed 50' Public R/W
DRIVE
HOUSE
DECK
90'
70'
109'
88'
RET. WALL
5'
31'
15'
EIR
N49°4
S15°17'
PJB
APPROVED OCT 15 2020
Pool
18'
12'
1 R 102'
2B P 102'
3 O 203'
4 Y 95'
5 B 95'
6 R 73'
2A P 97'
15'
FILL GULLY
FILL GULLY
256.19'
Lot 2
37,249.12 sq.ft.
0.855 acre
145.00'
516.86'
S68°53'50"E
SCALE 1" = 50'
NAD83-2011
10' Drainage &

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

PJB
APPROVED OCT 15 2020

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 4 bedroom single family residence at 1673 Perth Rd Mooresville 28117, Iredell County, NC. PIN #(4649028340)

Contents: **Page**

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Design Information
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Agent Authorization Form---------- 11

Voluntary Relinquishment Form---------- 12

LICENSED SOIL SCIENTIST
Jennifer Kollar
1421
STATE OF NORTH CAROLINA

October 8, 2020
Project #: 18-0108
Design By: Soil & Forestry Services of the Carolinas, PA

PJB
APPROVED OCT 15 2020

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a LPPPBPS (Mod. Conv.) installation.
- **Gullies on Site Plan must be filled with clay.**

PJB

APPROVED OCT 15 2020

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Owner/Applicant:	Hidden Meadows Ventures
Address:	Hidden Meadows Mooresville, NC 28117
Phone:	919.606.5852
County:	Iredell
Location:	1673 Perth Rd Mooresville, NC 28117
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	N/A

Design Specifications

Drainfield Size:	400	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	36 in.	Repair Trench Bottom 36 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	15	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	9.80	
Dosing Volume:	N/A	
Supply Manifold:	N/A	
Supply Manifold Length:	N/A	
Supply Manifold Volume:	N/A	
Recommended Float Controls:	N/A	
Recommended Control Panel:	N/A	
Pressure Head:	N/A	
Friction Head:	N/A	
Elevation Head:	N/A	
Total Dynamic Head:	N/A	
Threaded Union:	N/A	
Gate Valves:	N/A	
Check Valves:	N/A	
Anti-Siphon Hole:	N/A	
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA	

PJB

APPROVED OCT 15 2020

1673 Perth Rd

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	1200
TOTAL LATERAL LENGTH:	400
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	400
SUPPLY LINE LENGTH:	15
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

PJB

APPROVED OCT 15 2020

Layout Specifications - 1673 Perth Rd.

Project #: 18-0108

LAYOUT FOR 4 BEDROOM HOME

October 8, 2020

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***RED***					***100***	***100***
2A	PINK					97	97
2B	***PINK***					***100***	***100***
3	***ORANGE***					***200***	***200***
4	YELLOW					95	95
5	BLUE					95	95
6	RED					73	73
					Total	760	760

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***400***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***
Repair	360	0.300	MOD. CONV.	0.300	***PPBPS***	Low Pressure

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**Nitrification lines were located by GPS.

CALCULATIONS

PJB

APPROVED OCT 15 2020

Location 1673 Perth Rd.
Mooresville, NC 28117
Project Number 18-0108

Lot No: N/A

No. of Bedrooms 4

Design Flow 480 $^{gal}/_{day}$

LTAR 0.300 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 15 ft.

Supply Line Volume 9.795 gal.

Required Feet of Line 400 ft.
Amount of Line from Layout 400 ft.

Gallons per Minute N/A $^{gal}/_{min}$

Required Septic Tank Capacity 1000 gal.
Septic Tank Size 1000 gal.

Panel Volume N/A gal.
# of Panels N/A
Dosing Volume N/A gal.

Tank Draw Down N/A

Pump Run Time

Elevation Head N/A ft.
Pressure Head N/A ft.
Friction Factor N/A ft./100 ft. *(From the interpolater.)*
Friction Head N/A ft.

Total Dynamic Head (+15%) N/A ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

PROPERTY ID #: 4649016361.000
COUNTY: Iredell

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

OWNER: Hidden Meadows Ventures — APPLICATION DATE: Aug 2019
ADDRESS: PO Box 4628 Mooresville NC 28117 — DATE EVALUATED: 6/5/19
PROPOSED FACILITY: 4BR Single Family — PROPOSED DESIGN FLOW (.1949): — PROPERTY SIZE: 5.865ac
LOCATION OF SITE: Hidden Meadows Dr 1673 Perth Rd — PROPERTY RECORDED: NO
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
P 1	4/17%	0-7	Bl Gr	Fr SSSPSEXP		60"			PS .3-.325
		7-15	RBCl wfsbk	Fr SS SP SEXP					
		15-42	RC wmsbk	Fr SS SP					
		42-60	RBCL wfsbk	Fr SS SP					
		60-72	VAR L MASS	Fr SS SP					
P 2	L/19%	0-9	BCL wmsbk	Fr SSSPSEXP		60"			PS .3
		9-30	RC wmsbk	Fr SS SP					
		30-60	RBCL wfsbk	Fr SS SP					
P 3	L/19%	0-8	BCL wmsbk	Fr SS SPSEXP		52"			PS .3
		8-36	RC wmsbk	Fr SS SP					
		36-52	RBCL wfsbk	Fr SS SP					
		52-67	VAR fsL MASS	Fr SS SP					
P 4	L/19%	0-5	RBCL wfsbk	Fr SSSPSEXP		60"			PS .3
		5-36	BRC wmsbk/1fsbk	Fr SS P					
		36-60	RC wmsbk	F SS SPSEXP					

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: Chad Wagner, Kody Neil

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4649016031
DATE OF EVALUATION: 6/5/19
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P5	L/19%	0-10	RBCL wfsbk	Fr SS SP SEXP		62"			PS .3
		10-37	RC wmsbk	Fr SS SP SEXP					
		37-62	RBCL wfsbk	Fr SS SP					
		62-73	VAR L MASS	Fr SS SP					

COMMENTS: _____

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

Sheet 1 of 2
PROPERTY ID #: 9649028330
COUNTY: Iredell

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

OWNER: Hidden Meadow Ventures
APPLICATION DATE: 8/15/19
ADDRESS: PO Box 4628 Mooresville NC 28117
DATE EVALUATED: 9/5/19
PROPOSED FACILITY: New single family
PROPOSED DESIGN FLOW (.1949): 480GPD
PROPERTY SIZE: 6.33 acres
LOCATION OF SITE: 1673 Perth Rd
PROPERTY RECORDED: Yes

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	SS 18%	0-16	SCL SBK	Fr SS SP SEXP	—	60"	Litho inclusions starting at 52" more common below	small to medium size rock vein between 16" and 24"	PS,3
		16-40	C SBK	Fr SS SP SEXP					
		40-60	CL SBK	Fr SS SP SEXP					
2	SS 19%	0-9	SCL SBK	Fr SS SP SEXP	—	60"	Litho inclusions starting at 28" more common at bottom	—	PS,3
		9-30	C SBK	Fr SS SP SEXP					
		30-60	CL SBK	Fr SS SP SEXP					
3	SS 19%	0-8	SCL SBK	Fr SS SP SEXP	—	54"	—	Rocks common at top scattered throughout rest of pit	PS,3
		8-37	C SBK/ABK	Fr SS SP SEXP					
		37-54	CL SBK	Fr SS SP SEXP					
		54-60	Loamy sap rock	VFr SS SP SEXP					
4	SS 19%	0-6	SCL SBK	Fr SS SP SEXP	—	60"	—	—	PS,3
		6-60	C SBK/ABK	Fr SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400'	400'
System Type(s)	25% Gravity	25% Gravity
Site LTAR	.3	.3

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

COMMENTS: Cloudy and Pits had been open for 3 months

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

Sheet 2 of 2
PROPERTY ID #: 4649028330
COUNTY: Iredell

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

OWNER: Hidden meadow Ventures
APPLICATION DATE: 8/15/19
ADDRESS: PO Box 4629 Mooresville NC 28117
DATE EVALUATED: 9/5/19
PROPOSED FACILITY: New Singlefamy
PROPOSED DESIGN FLOW (.1949): 480GPD
PROPERTY SIZE: 6.33acres
LOCATION OF SITE: 1673 Perth Rd
PROPERTY RECORDED: YES

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	SS 18%	0-9	SCL SBK	FrSSSPSAP	—	60"	—	Rocks common at top scattered throughout	PS,3
		9-37	C SBK	FrSSSPSAP					
		37-60	CL SBK	FrSSSPSAP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

RECEIVED OCT 1 2 2020

247510

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

X Expedited Review (Limited) **APPLICATION FORM** Exp. Review Hd Rel. Pd $75.00

Application For: Pool ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit ( ) 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: ( ) 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: Hidden Meadows Ventures **Address:** P.O. Box 4628 Mooresville NC **Zip:** 28117
Applicant Email: rdenzler06130@roadrunner.com **Phone:** 919-606-5852 **Alt. Phone:**
Owner Name: Same **Address:** Same **Zip:** Same
Owner Email: rdenzler06130@roadrunner.com **Phone:** 919-606-5852 **Alt. Phone:**

Property Information:

Street Address: 1673 Hidden Meadows Drive, Mooresville 28117
Subdivision Name: Hidden Meadows **Section/Phase:** **Lot Number:** Pt Parcel 2
Driving Directions: From Highway 150 take Perth Rd (North) towards Troutman. Subdivision is past Rocky Mt. Methodist Church on right.

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

(✓) 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
( ) Other Addition/Structure:

CHECK FOUNDATION TYPE
( ) Crawl Space Foundation
( ) 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 ( ) 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: Accepted

Please answer the following to the best of your ability:
( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) 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: [redacted] 10/08/2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

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, Richard Denzler, am the legal owner(s) of the property located at 1673 Hidden Meadows [redacted] Dr, identified as PIN (Parcel Identification Number) [redacted] 4649028340, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Ashley Rollans - SFS, 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.

[redacted] 10/08/2020 [redacted] 10/08/2020

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

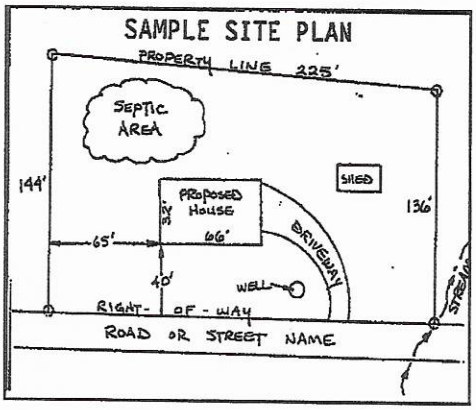
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (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

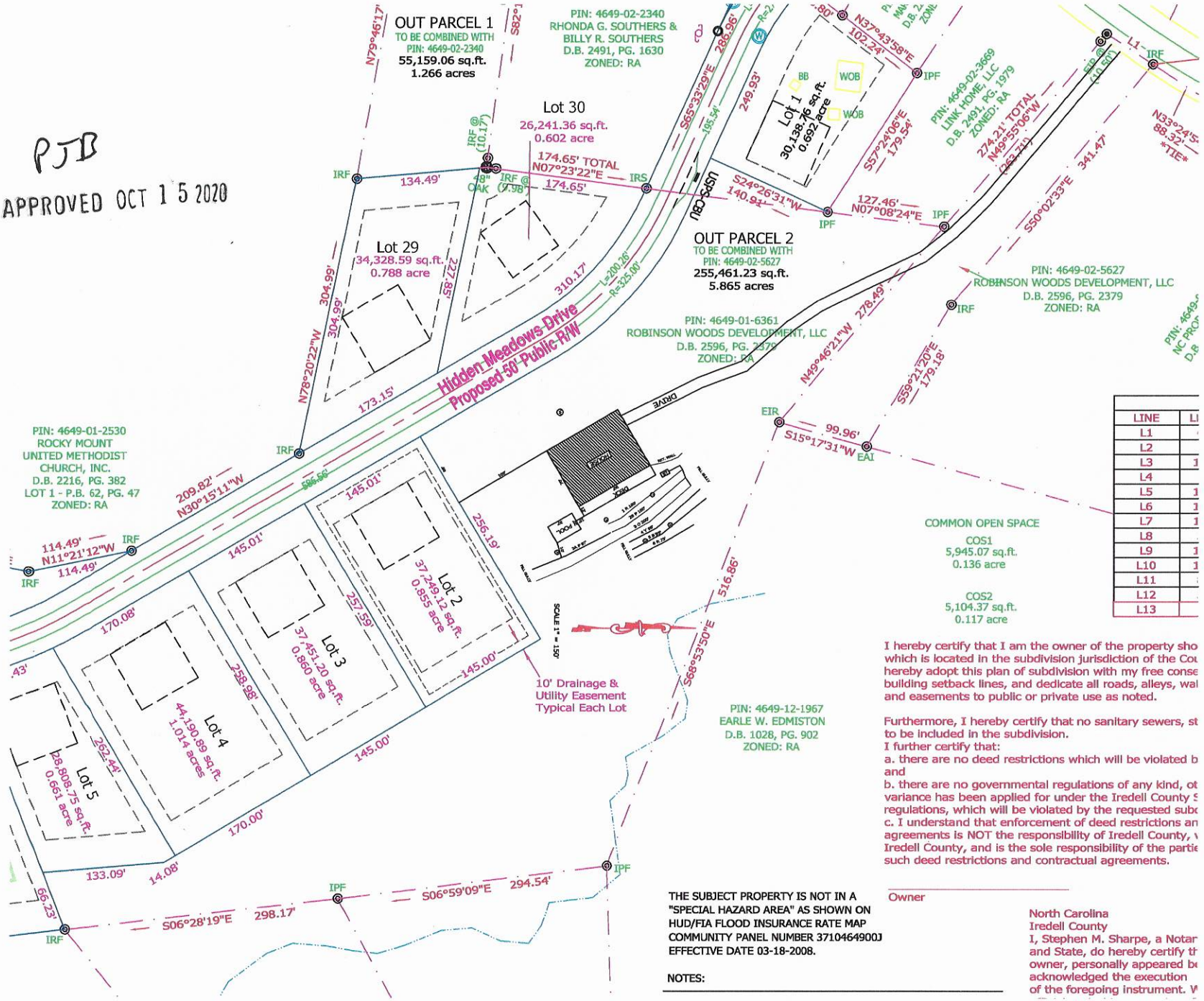
USE THIS SPACE TO DRAW YOUR SITE PLAN

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

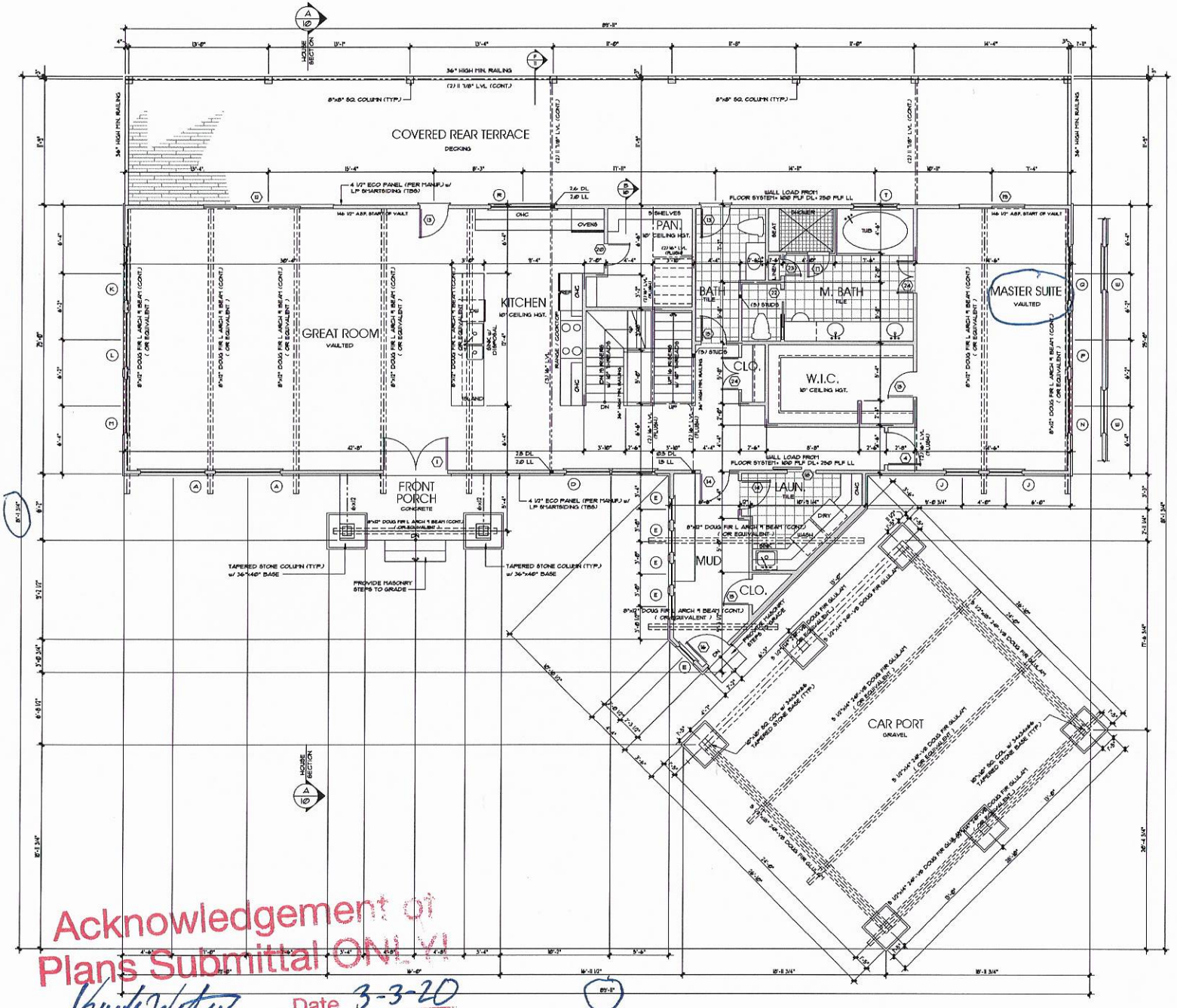
See Attached

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

[redacted] 10/08/2020
DATE



LINE	LI
L1	
L2	
L3	1
L4	
L5	1
L6	1
L7	1
L8	
L9	1
L10	1
L11	
L12	
L13	



NOTES:

- ALL ANGLED WALLS ARE 45° U.N.O.
- ■ INDICATES BLOCKING FOR ABOVE CONCENTRATED LOADS AND ROOF BRACING POINT LOADS U.N.O.
- SEE FRAMING NOTE 16 FOR HEADER SIZES UNLESS NOTED ON PLAN
- ALL DOORS ARE 6" FROM WALL UNLESS DIMENSIONED OTHERWISE

EXTERIOR WALL HEIGHT (h)	STUD SIZE/ SPACING
h ≤ 10'	2x6 @ 16" oc
10' ≤ h ≤ 11'	2x6 @ 12" oc
11' ≤ h ≤ 18'	2x6 @ 16" oc
h ≥ 18'	CONSULT ENG.

GARAGE WALL TO BE 2x6 @ 16" OC. IF EXCEEDING 10' IN HEIGHT

NOTE: 1. ALL EXTERIOR WALLS SHALL BE 4 1/2" THICK STRUCTURAL INSULATED PANEL DESIGNED BY OTHERS.
2. SIP PANEL DESIGNER RESPONSIBLE FOR DESIGN
3. SIP PANEL DESIGNER SHALL PROVIDE SEALED DESIGN SHOP DRAWINGS TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.

DOOR SCHEDULE

	SIZE	DESCRIPTION
1	2'-3" x 8'-0"	ARCHED ENTRY w/ 6"h 1"w 3" TRANSOM
2	2'-4" x 6'-8"	SOLID PANEL
3	2'-8" x 6'-8"	SOLID PANEL
4	3'-0" x 6'-8"	SOLID PANEL
5	2'-6" x 6'-8"	SOLID PANEL
6	2'-6" x 6'-8"	20 MIN. FIRE RATED
7	1'-6" x 6'-8"	SOLID PANEL
8	2'-1'-6" x 6'-8"	SOLID PANEL
9	2'-4" x 6'-8"	POCKET
10	2'-2'-6" x 6'-8"	SOLID PANEL
11	2'-8" x 6'-8"	CASED OPENING
12	4'-3'-0" x 8'-0"	EXTERIOR SLIDER
13	2'-8" x 8'-0"	EXTERIOR FULL LITE
14	2'-8" x 8'-0"	SOLID PANEL
15	2'-4" x 8'-0"	SOLID PANEL
16	2'-8" x 8'-0"	EXTERIOR HALF LITE
17	2'-8"	TEMPERED SHOWER
18	2'-8" x 8'-0"	BARN SLIDER
19	2'-3'-8" x 8'-0"	EXTERIOR SLIDER
20	2'-8" x 8'-0"	SOLID PANEL
21	2'-4" x 8'-0"	BARN SLIDER
22	2'-4" x 8'-0"	POCKET
23	1'-8" x 8'-0"	SOLID PANEL
24	2'-1'-4" x 8'-0"	SOLID PANEL
25	2'-2'-4" x 8'-0"	SOLID PANEL

WINDOW SCHEDULE

	SIZE	DESCRIPTION
A	6'-0" x 8'-0"	FIXED
B	4'-0" x 2'-0"	FIXED
C	6'-0" x 4'-0"	FIXED
D	2'-4'-0" x 6'-0"	FIXED
E	2'-0" x 2'-0"	FIXED
F	4'-0" 3'-1" x 2'-0"	FIXED TRAPEZOID
G	4'-0" 2'-4" x 1'-0"	FIXED TRAPEZOID
H	4'-0" x 6'-0" x 4'-0"	FIXED TURN TRAPEZOID
J	4'-0" x 6'-0"	FIXED
K	6'-0" x 1'-0" x 2'-0"	FIXED TRAPEZOID
L	6'-0" x 2'-0" x 3'-1"	FIXED TRAPEZOID
M	6'-0" x 3'-0" x 4'-0"	FIXED TRAPEZOID
N	6'-0" x 4'-0" x 3'-0"	FIXED TRAPEZOID
P	6'-0" x 3'-0" x 2'-1"	FIXED TRAPEZOID
Q	6'-0" x 2'-0" x 1'-0"	FIXED TRAPEZOID
R	6'-0" x 3'-0"	FIXED
S	4'-0" x 3'-0"	FIXED
T	4'-0" x 5'-0"	FIXED
U	4'-0" x 4'-0" x 3'-0"	FIXED TRAPEZOID
V	6'-0" x 2'-0"	FIXED
W	4'-0" x 8'-0"	FIXED

SQUARE FOOTAGE

LOWER LEVEL	2,414 SQFT.
MAIN LEVEL	2,402 SQFT.
UPPER LEVEL	624 SQFT.
TOTAL HEATED	5,1100 SQFT.
FRONT PORCH	84 SQFT.
DETACHED CARPORT	661 SQFT.
COVERED REAR TERR.	1,096 SQFT.
LOWER COVERED TERR.	1,096 SQFT.
TOTAL UNDER ROOF	8,563 SQFT.

Acknowledgement of Plans Submittal ONLY!

Date 3-3-20

Date 3-3-20

Bobby Gentry Designs
704.631.6031
www.bobbygentrydesigns.com

COBBLE CREEK CUSTOM HOMES

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PLAN INFO:

A New Custom Residence

Denzler Residence

PLAN NO.

REVISIONS

@226.20

SEAL

DRAWN BY: D.R.

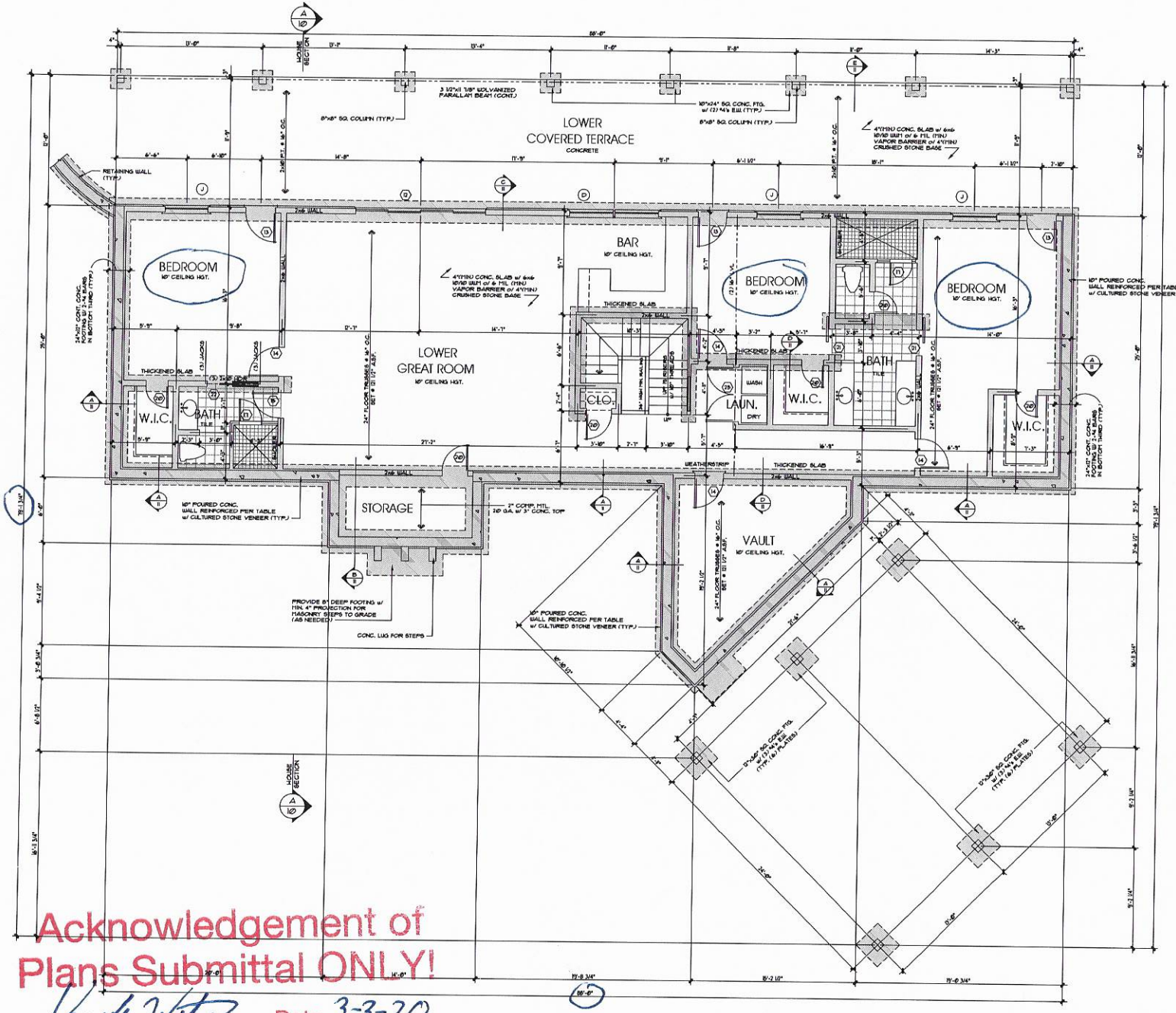
CHECKED BY:

DATE: @6.19.19

DRAWING TITLE: MAIN LEVEL PLAN

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

SHEET NO: 2 OF 15 SHEETS



NOTES:

- TYPICAL BASEMENT SLAB TO BE 4" THICK CONCRETE W/ 6x6, 10x10 WELDED WIRE MESH OR FIBER MESH OVER VAPOR BARRIER OVER 4" COMPACTED GRAVEL BASE
- SEE FRAMING NOTE 16 ON COVER SHEET FOR TYPICAL HEADER INFORMATION UNLESS NOTED OTHERWISE
- FOUNDATION WALL TO BE 10" THICK POURED CONCRETE-SEE DETAIL SHEETS FOR DETAILS ON REINFORCEMENT, ETC.
- TYPICAL EXTERIOR FOOTING TO BE 24"x12" THICK WITH 2-#4 BARS CONTINUOUS @ BASEMENT CONDITIONS & 24"x16" THICK WITH 2-#4 BARS CONTINUOUS @ GARAGE CONDITIONS
- SLAB INSULATION TO BE R-3 MINIMUM 24" AT PERIMETER OF FOUNDATION WALL
- TERMITE CONTROL SHALL BE BY CHEMICAL SOIL TREATMENT OR OTHER METHODS APPROVED BY THE NORTH CAROLINA DEPARTMENT OF AGRICULTURE
- ALL EXTERIOR STUDS TO BE 2x6 @ 16" O.C. INTERIOR WALLS TO BE 2x4 @ 12" O.C. UNLESS BEARING. BEARING WALL TO BE 2x6 @ 16" O.C.
- ALL ANGLED WALLS ARE 45° U.N.O.
- ■ INDICATES BLOCKING FOR ABOVE CONCENTRATED LOADS AND ROOF BRACING POINT LOADS UNLESS NOTED OTHERWISE
- PROVIDE DRAIN AT ANY MECHANICAL LOCATION SLOPE CONCRETE TOWARDS DRAIN
- PROVIDE FOUNDATION DRAIN ON FILL SIDE OF WALL & DRAIN TO DAYLIGHT
- STUB IN PLUMBING FOR ALL FUTURE AREAS
- ALL DOORS ARE 6" FROM WALL UNLESS DIMENSIONED OTHERWISE
- PROVIDE BEAM POCKET IN POURED WALL IF REQUIRED FOR BEARING OF DROPPED BEAM.

DOOR SCHEDULE

	SIZE	DESCRIPTION
1	2-3⁰ x 8⁰	ARCHED ENTRY w/ 6⁸⁄₁₆" 7⅛ 2⁰ TRANSOM
2	2⁰ x 6⁰	SOLID PANEL
3	2⁰ x 6⁰	SOLID PANEL
4	3⁰ x 8⁰	SOLID PANEL
5	2⁰ x 6⁰	SOLID PANEL
6	2⁰ x 6⁰	20 MIN. FIRE RATED
7	1⁰ x 6⁰	SOLID PANEL
8	2-1⁰ x 6⁰	SOLID PANEL
9	2⁰ x 6⁰	POCKET
10	2-2⁰ x 6⁰	SOLID PANEL
11	2⁰ x 6⁰	CASED OPENING
12	4-3⁰ x 8⁰	EXTERIOR SLIDER
13	2⁰ x 8⁰	EXTERIOR FULL LITE
14	2⁰ x 8⁰	SOLID PANEL
15	2⁰ x 8⁰	SOLID PANEL
16	2⁰ x 8⁰	EXTERIOR HALF LITE
17	2⁰	TEMPERED SHOWER
18	2⁰ x 8⁰	BARN SLIDER
19	2-3⁰ x 8⁰	EXTERIOR SLIDER
20	2⁰ x 8⁰	SOLID PANEL
21	2⁰ x 8⁰	BARN SLIDER
22	2⁰ x 8⁰	POCKET
23	1⁰ x 8⁰	SOLID PANEL
24	2-1⁰ x 8⁰	SOLID PANEL
25	2-2⁰ x 8⁰	SOLID PANEL

WINDOW SCHEDULE

	SIZE	DESCRIPTION
A	6⁰ x 8⁰	FIXED
B	4⁰ x 2⁰	FIXED
C	6⁰ x 4⁰	FIXED
D	2-4⁰ x 6⁰	FIXED
E	2⁰ x 2⁰	FIXED
F	4⁰x 3⁰ x 2⁰	FIXED TRAPEZOID
G	4⁰ x 2⁰ x 1⁰	FIXED TRAPEZOID
H	4⁰x 6⁰ x 4⁰	FIXED TWN TRAPEZOID
J	4⁰ x 6⁰	FIXED
K	6⁰ x 1⁰x 2⁰	FIXED TRAPEZOID
L	6⁰x 2⁰ x 3⁰	FIXED TRAPEZOID
M	6⁰x 3⁰x 4⁰	FIXED TRAPEZOID
N	6⁰x 4⁰ x 3⁰	FIXED TRAPEZOID
P	6⁰x 3⁰ x 2⁰	FIXED TRAPEZOID
Q	6⁰ x 2⁰ x 1⁰	FIXED TRAPEZOID
R	6⁰ x 3⁰	FIXED
S	4⁰ x 3⁰	FIXED
T	4⁰ x 5⁰	FIXED
U	4⁰x 4⁰x 3⁰	FIXED TRAPEZOID
V	6⁰ x 2⁰	FIXED
W	4⁰ x 8⁰	FIXED

SQUARE FOOTAGE

LOWER LEVEL	2,474 SQFT.
MAIN LEVEL	2,402 SQFT.
UPPER LEVEL	824 SQFT.
TOTAL HEATED	5,700 SQFT.
FRONT PORCH	84 SQFT.
DETACHED CARPORT	661 SQFT.
COVERED REAR TERR.	1,096 SQFT.
LOWER COVERED TERR.	1,096 SQFT.
TOTAL UNDER ROOF	8,543 SQFT.

Acknowledgement of Plans Submittal ONLY!

Kayla Wilson Date 3-3-20

Date 3-3-20

Ruth Designs
704.631.6031
www.ruthdesignsandplans.com
Cobble Creek Custom Homes

PLAN INFO.

Denzler Residence
A New Custom Residence

PLAN NO.

REVISIONS
@12.6.20

SEAL

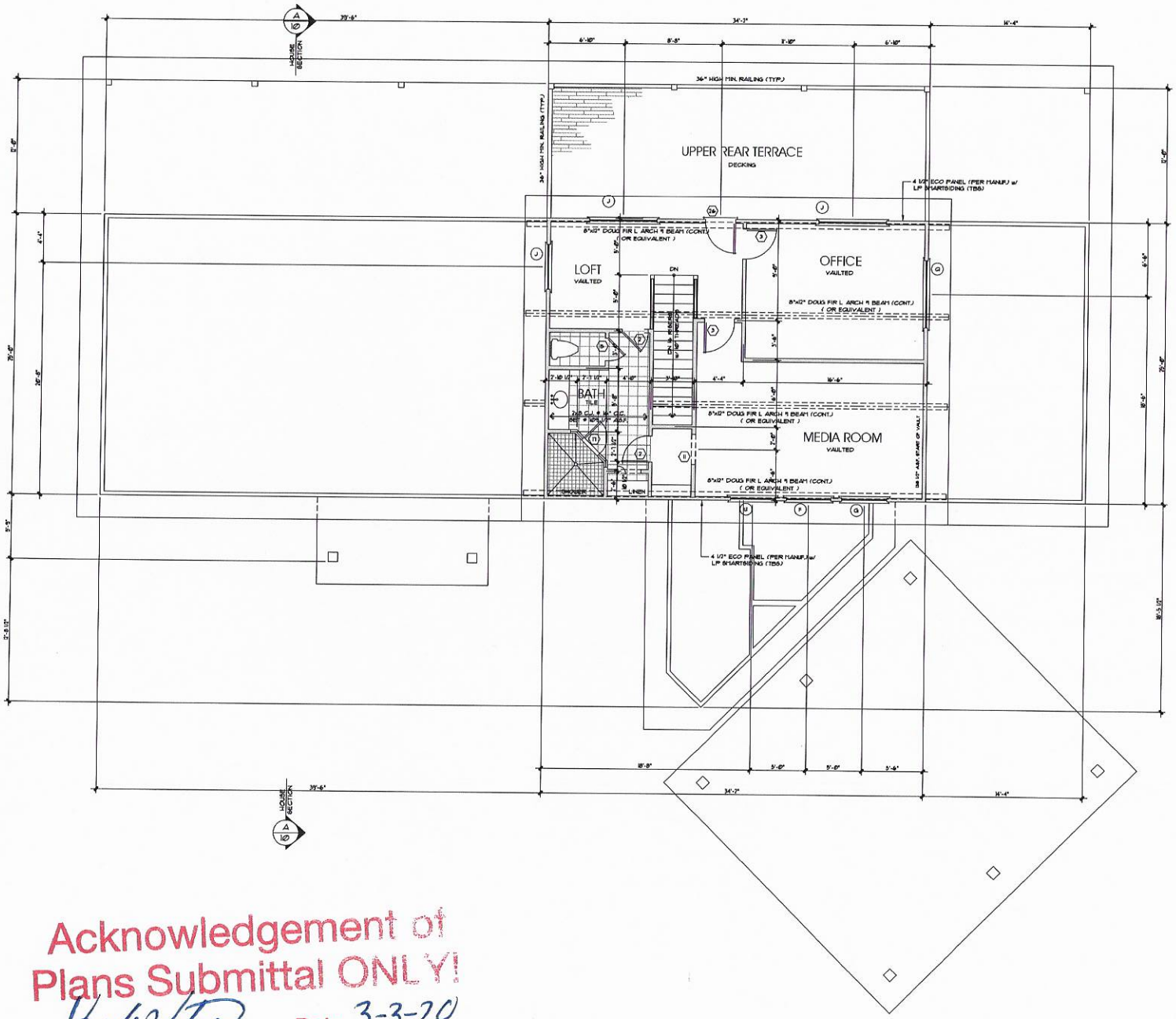
DRAWN BY: D.R.
CHECKED BY:

DATE: @6.19.19

DRAWING TITLE: LOWER LEVEL PLAN

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

SHEET NO: 1 OF 15 SHEETS



Acknowledgement of Plans Submittal ONLY!

Date 3-3-20

Date 3-3-20

NOTES:

- ALL ANGLED WALLS ARE 45° U.N.O.
- ■ INDICATES BLOCKING FOR ABOVE CONCENTRATED LOADS AND ROOF BRACING POINT LOADS U.N.O.
- SEE FRAMING NOTE 16 FOR HEADER SIZES UNLESS NOTED ON PLAN
- ALL DOORS ARE 6" FROM WALL UNLESS DIMENSIONED OTHERWISE
- WEATHERSTRIP ALL DOORS INTO ATTIC SPACE

EXTERIOR WALL HEIGHT (h)	STUD SIZE/ SPACING
h ≤ 10'	2x4 @ 16" oc
10' ≤ h ≤ 11'	2x4 @ 12" oc
11' ≤ h ≤ 18'	2x6 @ 16" oc
h > 18'	CONSULT ENG.
GARAGE WALL TO BE 2x6 @ 16" O.C. IF EXCEEDING 10' IN HEIGHT	

NOTE: 1. ALL EXTERIOR WALLS SHALL BE 4 1/2" THICK STRUCTURAL INSULATED PANEL DESIGNED BY OTHERS.

2. SIP PANEL DESIGNER RESPONSIBLE FOR DESIGN

3. SIP PANEL DESIGNER SHALL PROVIDE SEALED DESIGN SHOP DRAWINGS TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.

DOOR SCHEDULE

	SIZE	DESCRIPTION
1	2-3⁰ x 8⁰	ARCHED ENTRY w/ 8"x 1½" 2⁰ TRANSOM
2	2⁰ x 6⁸	SOLID PANEL
3	2⁰ x 6⁸	SOLID PANEL
4	3⁰ x 8⁰	SOLID PANEL
5	2⁰ x 6⁸	SOLID PANEL
6	2⁰ x 6⁸	20 MIN. FIRE RATED
7	1⁰ x 6⁸	SOLID PANEL
8	2-1⁰ x 6⁸	SOLID PANEL
9	2⁰ x 6⁸	POCKET
10	2-2⁰ x 6⁸	SOLID PANEL
11	2⁰ x 6⁸	CASED OPENING
12	4-3⁰ x 8⁰	EXTERIOR SLIDER
13	2⁰ x 8⁰	EXTERIOR FULL LITE
14	2⁰ x 8⁰	SOLID PANEL
15	2⁰ x 8⁰	SOLID PANEL
16	2⁰ x 8⁰	EXTERIOR HALF LITE
17	2⁰	TEMPERED SHOWER
18	2⁰ x 8⁰	BARN SLIDER
19	2-3⁰ x 8⁰	EXTERIOR SLIDER
20	2⁰ x 8⁰	SOLID PANEL
21	2⁰ x 8⁰	BARN SLIDER
22	2⁰ x 8⁰	POCKET
23	1⁰ x 8⁰	SOLID PANEL
24	2-1⁰ x 8⁰	SOLID PANEL
25	2-2⁰ x 8⁰	SOLID PANEL

WINDOW SCHEDULE

	SIZE	DESCRIPTION
A	6⁰ x 8⁰	FIXED
B	4⁰ x 2⁰	FIXED
C	6⁰ x 4⁰	FIXED
D	3-4⁰ x 6⁰	FIXED
E	2⁰ x 2⁰	FIXED
F	4⁰x 3⁰ x 2⁰	FIXED TRAPEZOID
G	4⁰ x 2⁰ x 1⁰	FIXED TRAPEZOID
H	4⁰x 6⁰x 4⁰	FIXED TURN TRAPEZOID
J	4⁰ x 6⁰	FIXED
K	6⁰ x 1⁰x 2⁰	FIXED TRAPEZOID
L	6⁰ x 3⁰ x 3⁰	FIXED TRAPEZOID
M	6⁰ x 3⁰ x 4⁰	FIXED TRAPEZOID
N	6⁰ x 4⁰ x 3⁰	FIXED TRAPEZOID
P	6⁰ x 3⁰ x 2⁰	FIXED TRAPEZOID
Q	6⁰ x 2⁰ x 1⁰	FIXED TRAPEZOID
R	6⁰ x 3⁰	FIXED
S	4⁰ x 3⁰	FIXED
T	4⁰ x 8⁰	FIXED
U	4⁰x 4⁰x 3⁰	FIXED TRAPEZOID
V	6⁰ x 2⁰	FIXED
W	4⁰ x 8⁰	FIXED

SQUARE FOOTAGE

LOWER LEVEL	2,474 SQFT.
MAIN LEVEL	3,482 SQFT.
UPPER LEVEL	824 SQFT.
TOTAL HEATED	5,780 SQFT.
FRONT PORCH	84 SQFT.
DETACHED CARPORT	661 SQFT.
COVERED REAR TERR.	1,056 SQFT.
LOWER COVERED TERR.	1,056 SQFT.
TOTAL UNDER ROOF	8,363 SQFT.

Ratliff Residential DESIGNS
704.631.6031
www.ratliffresidentialdesigns.com

Cobblecreek Custom Homes
Blair Van Horne

PLAN INFO.

A New Custom Residence

Denzler Residence

PLAN NO.

REVISIONS
02.26.20

SEAL

DRAWN BY: D.R.
CHECKED BY:

DATE: 02.19.19

DRAWING TITLE: UPPER LEVEL PLAN

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

SHEET NO: 4

OF 15 SHEETS

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
247510
Issue Date: 08/14/2019

ZONING PERMIT
UTILITY

Parcel Number	Street Address	Jurisdiction
4649028330.000	1673 PERTH ROAD, MOORESVILLE, NC 28117	

Owner Information	Applicant Information
Owner: SEASIDE VENTURES LLC	Applicant: ROLLANS SOIL & ENVIRON
Address: PO BOX 4268	Address: 470 NORTH BROAD STREET SUITE D
MOORESVILLE, NC 28117	MOORESVILLE, NC 28115
Phone:	Phone: 704-658-1723

Use Requested	Zone Code
SFD	

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	35.00	15.00	15.00	PACL	X

Remarks:

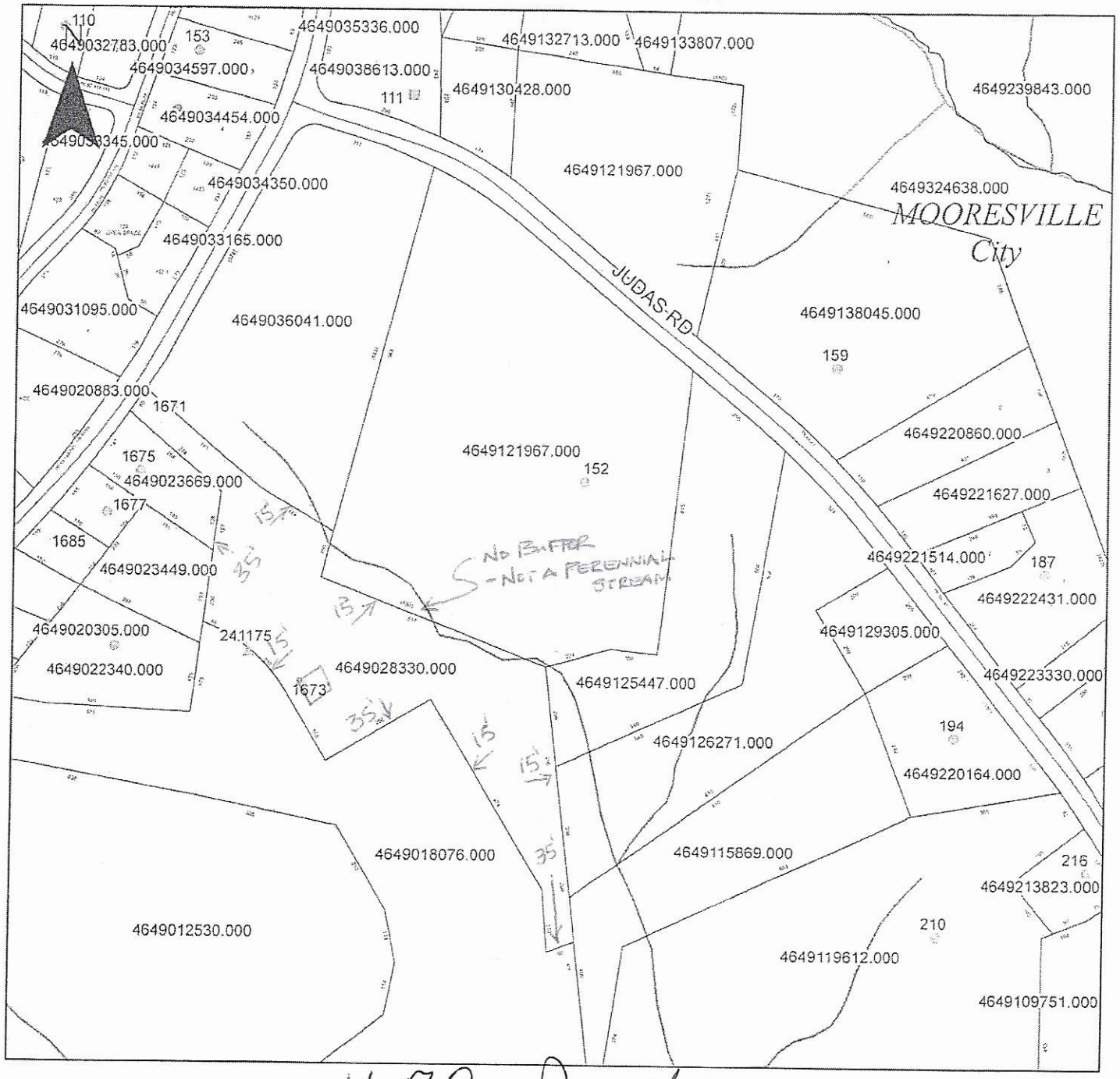
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	188766	TOTAL FEES:	$ 77.25

ZONING SETBACK APPROVAL
W. Allison 8-14-19
WINNIE ALLISON
COUNTY PLANNER

ZONING DISCLAIMER



Property Address 1673 Perth

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant

8/15/19
Date