ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 311942.

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

PIN # 4614 -84 -6643

APPLICANT/OWNER: Benjamin Pollock | APPLICANT ADDRESS: 132 Sunstede Drive Mooresville NC 28117.

SITE ADDRESS: 132 Sunstede Drive Mooresville NC 28117- | PHONE: 704 361 1084. | ALT. PHONE -

SITE DIRECTIONS: Brawley School R Tuscaroora R Sunstede. | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CC&T | SECTION: 6 | LOT # 269 | LOT AREA: .86 Ac | DESIGN FLOW: 480 | L.T.A.R.: .30

Septic Tank	EXT	(gal)	STB		Date				
Pump Tank	-	(gal)	PT	-	Date	-			
Pump Make	-	Model	-		Serial #	-			
# Nitrification Fields	1	# Lines	2		Linear Ft	68.			
Trench Width	36	Trench Bottom Depth (~~trench~~)	30 in max		Gravel Depth				

New System ☐ Repair ☒ Expansion System Type: I II (III) IV V VI

System Description: Gravity - PPBPS - 50% Reduction

Repair System Description: LP - PPBPS - 50% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: * 5ft offset to drainfield must be met * 50ft Buffer must be maintained during installation and operation permit.

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:

Soil & Forestry Services, PA

LSS # 1231. Carolina PA

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.

- Drainage Swale must be completed along property line closest to panel lines ✓

swale good 9/17/21

As Built Attached

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.*

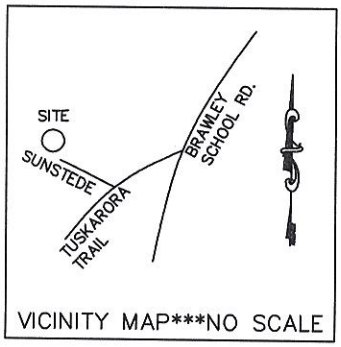
Owner / Applicant Signature: [signature] Date: 11/20/20 Installed by: Steve Jordan

IMPROVEMENT PERMIT by: Benjamin A. Bottin Date: 10/28/2020 OPERATION PERMIT by: D. Inebey Date: 9/17/21

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bottin Date: 11-19-2020 Existing System Inspected by: Date:

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

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	251.98'	166.33'	S 75°40'12" E	163.33'



As Built
8/24/21
DW

existing trench
over 3' deep - line
crosses trench @ 12"

LAKE NORMAN

760 CONTOUR PER ACTUAL SURVEY

EX. PIER

EIP

L1

SEA-WALL

L2

EIP

(FLOOD LINE)

CONC. WALK

72.2

50' BUFFER FROM (SEA WALL)

EARTHEN DAM

PB84 PG91

LOT 270
CENTER CITY 3 LLC
2556\1800

201.92

(BASE BEARING)
N30°30'00"E

15' SIDE

3 BR EXISTING SYSTEM

2 B EXISTING CONV. TRENCH

1 R EXISTING BED

ST

DECK

2 foot Cantilever is required to meet setback to septic

19.3

PROPOSED ADDITION

PROPOSED SCREEN PORCH

ADDITION

EXISTING 11\2 STORY BRICK BASEMENT COMP. RF.

GRAVEL DRIVE

PORCH

WELL

GRAVEL

BLDG.

OVERHANG

10.5

S10°31'04"E

180.54

15' SIDE SETBACK

GAS

LOT 267
STEVEN COOK
1235\950

LOT 269
0.85 AC.

IPS

R\W

(TIE ONLY)
38.18
N11°35'38"W

PK NAIL

BRICK COLUMNS

35' FRONT

41.6

WALK

C1

LIGHT POLE

EIP

N56°45'00"W
101.30

IPS

BRICK COLUMNS

R\W

SUNSEDE DR.
(60' PUBLIC R\W)

LEGEND

- = P.P. = POWER POLE
- = POWER TRANS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- (W) = WELL
- = LP = LIGHT POLE
- CP = COMPUTED POINT

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 39°15'00" E	79.88'
L2	S 61°46'43" E	64.67'

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 11\20\2019.
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 25' 50' 100'

SCALE IN FEET

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 19-0131
October 12th, 2020

Benjamin Pollock
Attn: *Mike Ryon*
Email: ryon3700@yahoo.com

RE: Soil & Site Evaluation for an Expansion of an Existing 3 Bedroom Residence to a 4 Bedroom (proposed 1BR Addition) at 132 Sunstede Drive, Mooresville, NC 28117, .85 ac Parcel, PIN# 4761012795, CL&T Lot #269.

Mr. Pollock:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was landscaped yard with large trees. Topography within the evaluated area was gently slope near the house site and moderate slope near the proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Don Allen & Associates. The surveyor provided an Autocad File of a survey as a basemap. The proposed septic layout was located via survey and used to produce the attached *Site Plan*. The proposed house addition is located on the attached Site Plan.

Methodology

We evaluated soil areas through the use of hand augers. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with two locations on the property flagged and located via survey. Both hand auger borings are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each pit. The house envelope is illustrated on the Site Plan. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by survey. Detailed system & repair information is summarized in the following paragraph for this Lot.

132 Sunstede Drive (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 244 linear feet of line. The primary system is proposed as 68 (2 x 34') linear feet of PPBPS (50% Reduction) drainfield with gravity distribution added to the existing 3 Bedroom System. Trench depth is specified at 30 inches. The repair system is proposed as 68 linear feet of PPBPS (50% Reduction) drainfield with gravity distribution. There is 76 linear feet available for repair. Trench depth is specified at 30 inches. Lot is Repair Exempt so repair is demonstrated as 1 bedroom for the proposed expansion. Plat is attached to the design.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"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 Section 11.(c).".

Owner

Date

Print Name Benjamin Pollock
Signature Benjamin Pollock 10/15/20

The LSS Evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

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

Disclaimer
This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* Any site modifications that impact the proposed septic areas on 132 Sunstede Drive may nullify this design. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,

S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Expansion of an Existing 3 BR Septic System with gravity dist. for a 4 bedroom single family residence at 132 Sunstede Drive, Mooresville 28117, Iredell County, NC. PIN #(4761012795). 1BR addition proposed.

Contents: **Page**

Information for the Installer---------- 1

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4

Site Plan/System Plan---------- 5

Calculations---------- 6

Profile Descriptions---------- 7

Application---------- 8-9

Green Sheet---------- 10

Agent Authorization Form---------- 11

Plat of Lot---------- 12

October 8, 2020
Project #: 19-0131
Design By: Soil & Forestry Services of the Carolinas, PA

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 gravity PPBPS (Mod. Conv.) installation.
- **Lot is Repair Exempt. Repair is for Expansion of 1BR only.**
- **Distribution should put 50% of flow to Existing Bed, 25% to Exist. Conv. Trench & 25% to Panel Lines 2x34'.**

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Benjamin Pollock
Address:	132 Sunstede Drive Mooresville, NC 28117
Phone:	704.361.1084
County:	Iredell
Location:	132 Sunstede Drive 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 (Expansion Only):	68	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	30 in.	Repair Trench Bottom 30 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	
Estimated Supply Line Length:	38	
Supply Line Diameter:	4 in. SCH 40 PVC	
Supply Line Volume:	24.81	
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	

132 Sunstede Drive

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	136
TOTAL LATERAL LENGTH (EXPANSION):	68
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	66.66666667
SUPPLY LINE LENGTH:	38
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

Layout Specifications - 132 Sunstede Dr.

Project #: 19-0131

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***	***Existing Bed (2BR)***				*(~12'X60')*	*(~12'X60')*
2	***BLUE***	***CONV. TRENCH (1BR)***				***100***	***100***
3A	***ORANGE***					***34***	***34***
3B	***ORANGE***					***34***	***34***
3C	ORANGE					76	76
					Total	244	244

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System*** (1BR Expansion)	***68*** \	***0.300***	***MOD. CONV.***	***0.300***	***PPBPS***	***GRAVITY***
Repair	76	0.300	MOD. CONV.	0.300	PPBPS	GRAVITY

Notes: **All measures in feet

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

**Nitrification lines were located by Don Allen & Associates (Surveyor).

**Lot is Repair Exempt (Plat Date is January 6th, 1976)

CALCULATIONS

Location	132 Sunstede road Mooresville, NC 28117	
Project Number	19-0131	
Lot No:	269	
Existing No. of Bedrooms	3	
Proposed No. of Bedrooms	4	
Expansion of 1BR	1	
Final Design Flow	480	$^{gal}/_{day}$
Expansion Flow	120	$^{gal}/_{day}$
LTAR	0.300	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	38	ft.
Supply Line Volume	24.814	gal.
Required Feet of Line	66.66667	ft.
Amount of Line from Layout	68	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

Sheet 1 of 1
PROPERTY ID #: 4761012795
COUNTY: Iredell

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

OWNER: Benjamin Pollock — APPLICATION DATE: ____
ADDRESS: 132 Sunstede Drive Mooresville NC 28117 — DATE EVALUATED: 10/29/19
PROPOSED FACILITY: 4BR Total (1BR Expan) — PROPOSED DESIGN FLOW (.1949): 480 Total (120 Added) — PROPERTY SIZE: .85Ac
LOCATION OF SITE: 132 Sustede Dr, Mooresville NC 28117 — 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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
B 1	L/10%	0-22	BRC wmsbk	Fr SS SP SEXP		48	—	—	PS .3
		22-48	RC wmsbk	Fr SS SP SEXP					
B 2	L/10%	0-48	BRC wmsbk	Fr SS SP SEXP		48	—	—	PS .3
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS (1BR only)
System Type(s)	Hybrid (Conv. PPBPS)	PPSPS
Site LTAR	0.3	0.3

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

COMMENTS: Lot 2 Repair Exempt

RECEIVED OCT 2 0 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $500.00 Session Law

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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 AP- 311942

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: Benjamin Pollock **Address:** 132 Sunstede Dr Mooresville NC **Zip:** 28117

Applicant Email: ryon3700@yahoo.com **Phone:** 704 361 1084 **Alt. Phone:**

Owner Name: same **Address:** **Zip:**

Owner Email: **Phone:** 704 361 1084 **Alt. Phone:**

****

Property Information:

Street Address: 132 Sunstede Drive Mooresville NC 28117

Subdivision Name: CLT **Section/Phase:** **Lot Number:** 269

Driving Directions: Brawley, Rt on Tuskarora, Rt on Sunstede

****

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

CHECK FOUNDATION TYPE

( ) New Single Family Residence — Maximum Number of Bedrooms: 4 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 8 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
(X) Bedroom(s) Addition 1BR — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

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 (X) 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 (X) 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: _____ 10/12/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Benjamin Pollock / Brandi Pollock, am the legal owner of the property located at 132 Sunstede Dr Mooresville NC 28117 identified as PIN(Parcel Identification Number) ~~[illegible]~~ 4614-84-6643.000, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) Pinnacle Building Services LLC Michael Kyzar Ashley Rollans / Soil + Forestry Services of the Carolinas, PA, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

Signature of Owner — Date 9/1/20 BP 10/15-

Signature of Witness — Date 9/1/20 BR 10/15

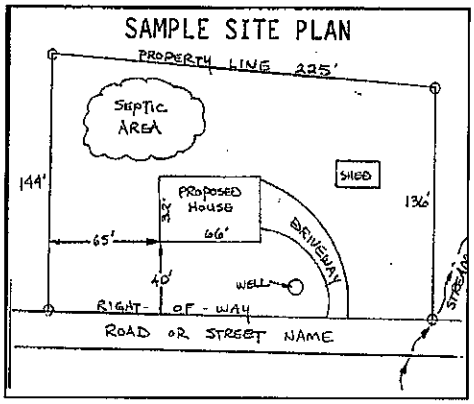
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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)

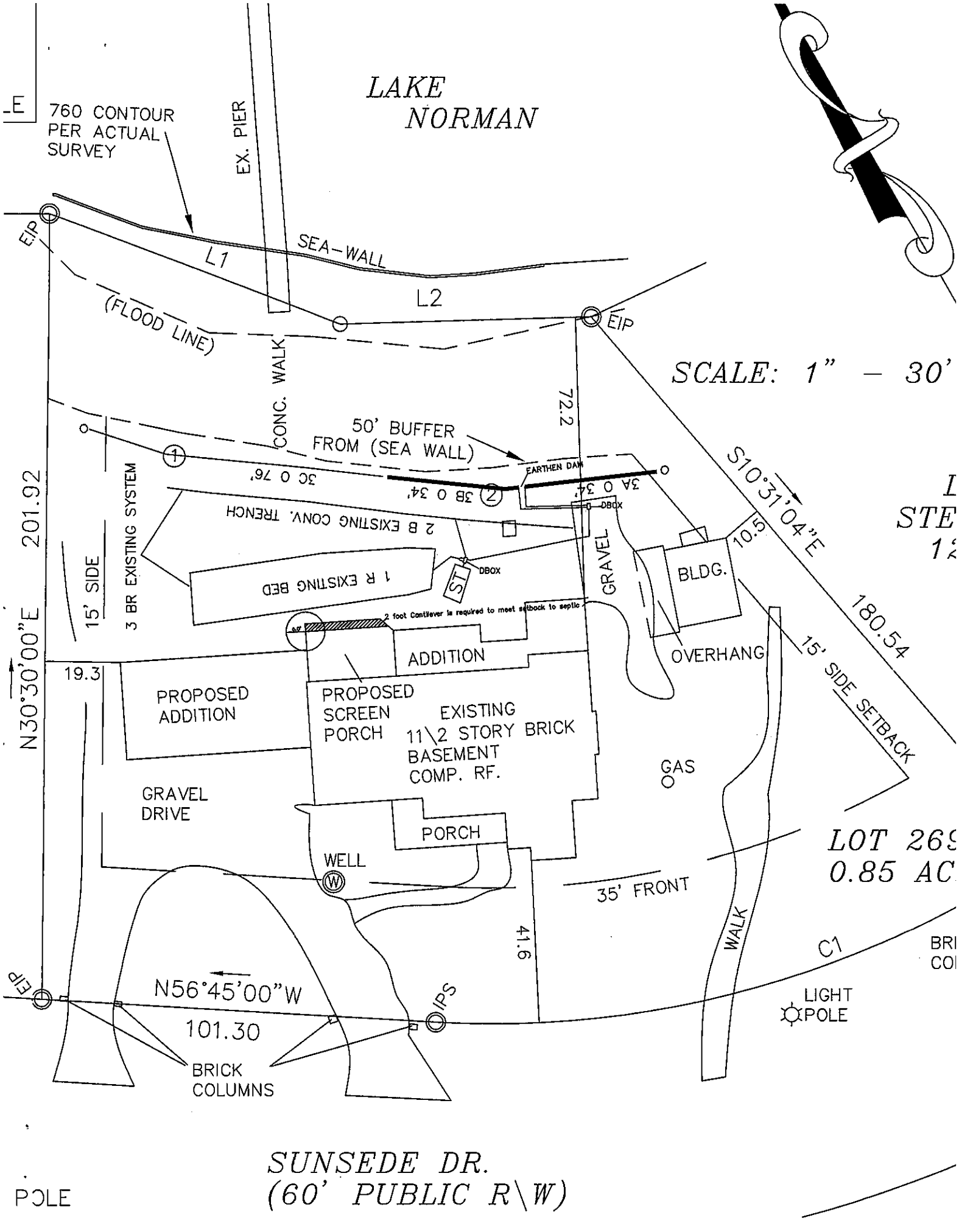
USE THIS SPACE TO DRAW YOUR SITE PLAN

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: _____ 10/12/20

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


LAKE
NORMAN
760 CONTOUR
PER ACTUAL
SURVEY
EX. PIER
EIP
L1
SEA-WALL
L2
EIP
(FLOOD LINE)
CONC. WALK
72.2
SCALE: 1" - 30'
50' BUFFER
FROM (SEA WALL)
EARTHEN DAM
S10°31'04"E
180.54
3C O 76'
3B O 34'
3A O 34'
DBOX
2 B EXISTING CONV. TRENCH
1 R EXISTING BED
ST
DBOX
GRAVEL
BLDG.
10.5
15' SIDE
3 BR EXISTING SYSTEM
201.92
N30°30'00"E
2 foot Cantilever is required to meet setback to septic
ADDITION
OVERHANG
15' SIDE SETBACK
19.3
PROPOSED
ADDITION
PROPOSED
SCREEN
PORCH
EXISTING
11\2 STORY BRICK
BASEMENT
COMP. RF.
GAS
GRAVEL
DRIVE
PORCH
WELL
W
35' FRONT
LOT 269
0.85 AC
41.6
WALK
C1
EIP
N56°45'00"W
101.30
IPS
LIGHT
POLE
BRICK
COLUMNS
SUNSEDE DR.
(60' PUBLIC R\W)
POLE

Book 6034
Pages 0031 - 0031
FILED 1 PAGE(S)
IREDELL COUNTY NC
11/16/1999 8:29 AM
BRENDA D. BELL
Register Of Deeds

CRESCENT LAND & TIMBER CORP.
(A. B. SHERRILL)
U. M. I. — 78

CRESCENT LAND & TIMBER CORP.
(THOMAS B. LEE)
U. M. I. — 13

CRESCENT LAND & TIMBER CORP.
(A. B. SHERRILL)
U. M. I. — 78

LAKE NORMAN

LOT 278 0.89 ACRE
LOT 279 0.98 ACRE
LOT 277 0.76 ACRE HOLLY POND
LOT 280 0.96 ACRE
LOT 275 1.02 ACRES
LOT 274 0.57 ACRE
LOT 273 0.65 ACRE
LOT 272 0.68 ACRE
LOT 271 0.66 ACRE
LOT 270 0.64 ACRE
LOT 269 0.66 ACRE
LOT 267 0.66 ACRE
LOT 266 CONT. ON DWG. NO. C. F. 6-0
LOT 281 0.93 ACRE
LOT 282 CONT. ON DWG. NO. C. F. 6-V

LANE
SUNSTEDE DRIVE
ROAD R/W. LIMIT
CONTOUR SEA LEVEL ELEV. 760 DATUM

N. 644,556.28
E. 1,417,374.02

N. 644,459.25
E. 1,418,844.69

CRESCENT LAND & TIMBER CORP.
(MRS. VASSIE L. PROCTOR)
U. M. I. — 14

PRESENTED FOR REGISTRATION
1976 Dec 21 PM 3 59
REGISTER OF DEEDS MECKLENBURG CO. N.C.

NORTH CAROLINA
MECKLENBURG COUNTY

The undersigned surveyor, both of seven, degrees and says that the plat upon which this certificate appears was prepared in accordance with G.S. 47-30 as amended. It is all respects correct according to the best of his knowledge and belief, and was prepared from an actual survey made by him on the 14th day of May, 1976 with a maximum linear error of closure of 1:10,000, and a maximum field error of angular closure of 30 secs. per angle.

L. Dale Archer L-711
Surveyor

STATE OF NORTH CAROLINA
COUNTY
Henry H. Jenkins, Jr. a Notary Public of Mecklenburg
County, North Carolina, do certify that L. Dale Archer
personally appeared before me this day and acknowledged that the execution of the foregoing instrument.
Witness my hand and notarial seal this 14th day of May, 1976.
Henry H. Jenkins Jr.
Notary Public
My Commission Expires February 5, 1981

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG
The foregoing certificate(s) of Henry H. Jenkins, Jr.
a Notary Public of said County and State is (are) certified to be correct.
This 21st day of September 1976.
Recorded in Book ____ Page ____ and Verified.
CHARLES B. CROWDER, Register of Deeds
By Margaret Knox Deputy

APPROVED IN ACCORDANCE WITH THE ENGINEERING REQUIREMENTS OF THE SUBDIVISION ORDINANCE OF MECKLENBURG COUNTY, NORTH CAROLINA.
MECKLENBURG COUNTY ENGINEERING DEPARTMENT
E K Hoffman 9 June 76
COUNTY ENGINEER (DATE)

APPROVED IN ACCORDANCE WITH THE PROVISIONS OF THE SUBDIVISION ORDINANCE OF MECKLENBURG COUNTY, NORTH CAROLINA.
CHARLOTTE-MECKLENBURG PLANNING COMMISSION
Fred E. Bryant June 15, 1976
ACTING SECRETARY DATE

LINCOLN CO.
IREDELL CO.
MECK. CO.
SECTION 6
GEOGRAPHIC LOCATION
SCALE: 1" = 2 MILES

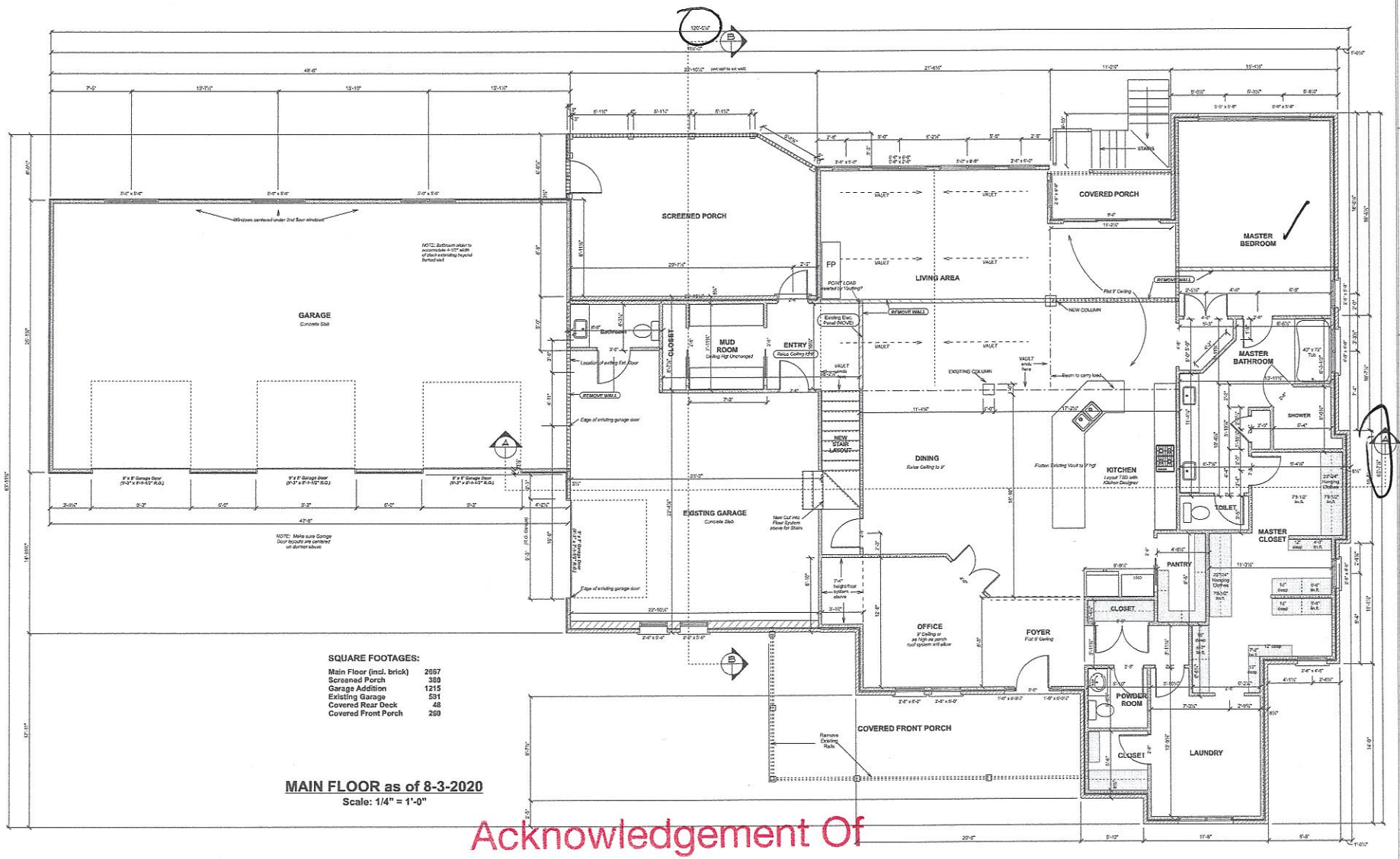
NOTE: DUKE POWER COMPANY TO CRESCENT LAND & TIMBER CORP. DEED BOOK 3146, PAGE 153 DATED: MAY 1, 1969.

BUILDING SETBACK LINES ARE 30 FEET FROM ROAD RIGHT OF WAY LIMIT, 50 FEET FROM CONTOUR ELEV. 760 U.S.G.S. SEA LEVEL DATUM, AND 10 FEET FROM SIDE LOT LINE.

ALL STREET CORNER RADII ARE 20 FEET. PROPERTY LINE DISTANCES ARE COMPUTED TO POINT OF INTERSECTION AT STREET CORNERS.

CRESCENT LAND & TIMBER CORP.
LAKE NORMAN
MAP OF
RECREATION LOTS
SECTION 6
LOTS 267, 269—275 & 277—281
LEMLEY TOWNSHIP
MECKLENBURG COUNTY, N.C.
SCALE: 1" = 100'
MISC. BOOK NO. 378
JAN. 6, 1976
DWG. NO. C. F. 6-U
0 100 200 300 400
SCALE IN FEET

MAP 17 27



SQUARE FOOTAGES:

Main Floor (incl. brick)	2697
Screened Porch	388
Garage Addition	1215
Existing Garage	591
Covered Rear Deck	48
Covered Front Porch	269

MAIN FLOOR as of 8-3-2020
Scale: 1/4" = 1'-0"

Acknowledgement Of
Plans Submittal ONLY!

Benjamin A Bostic Date 11-19-2020.

Mike S Date 11-20-2020

DISCLAIMER: These Construction Drawings are provided "as is". Graceful Living, Inc. does not provide any guarantees concerning these plans and assumes no responsibility for any damages, including but not limited to, structural failure due to any faulty actions, omissions or errors in design. Purchaser and or his/her General Contractor are solely responsible for ensuring that construction of these plans meets all applicable Building Codes. Graceful Living, Inc. assumes no responsibility for those plans meeting applicable Building Codes. This set of Construction Drawings is not valid for construction unless stamped by a Professional Engineer (P.E.) licensed in the state where construction will occur. Purchasers of plans are solely responsible for having these plans stamped by a P.E. prior to the commencement of construction. The maximum liability in any instance which can be imposed upon Graceful Living, Inc. by Purchasers or any third party shall not exceed half of the original purchase price. All rights reserved.

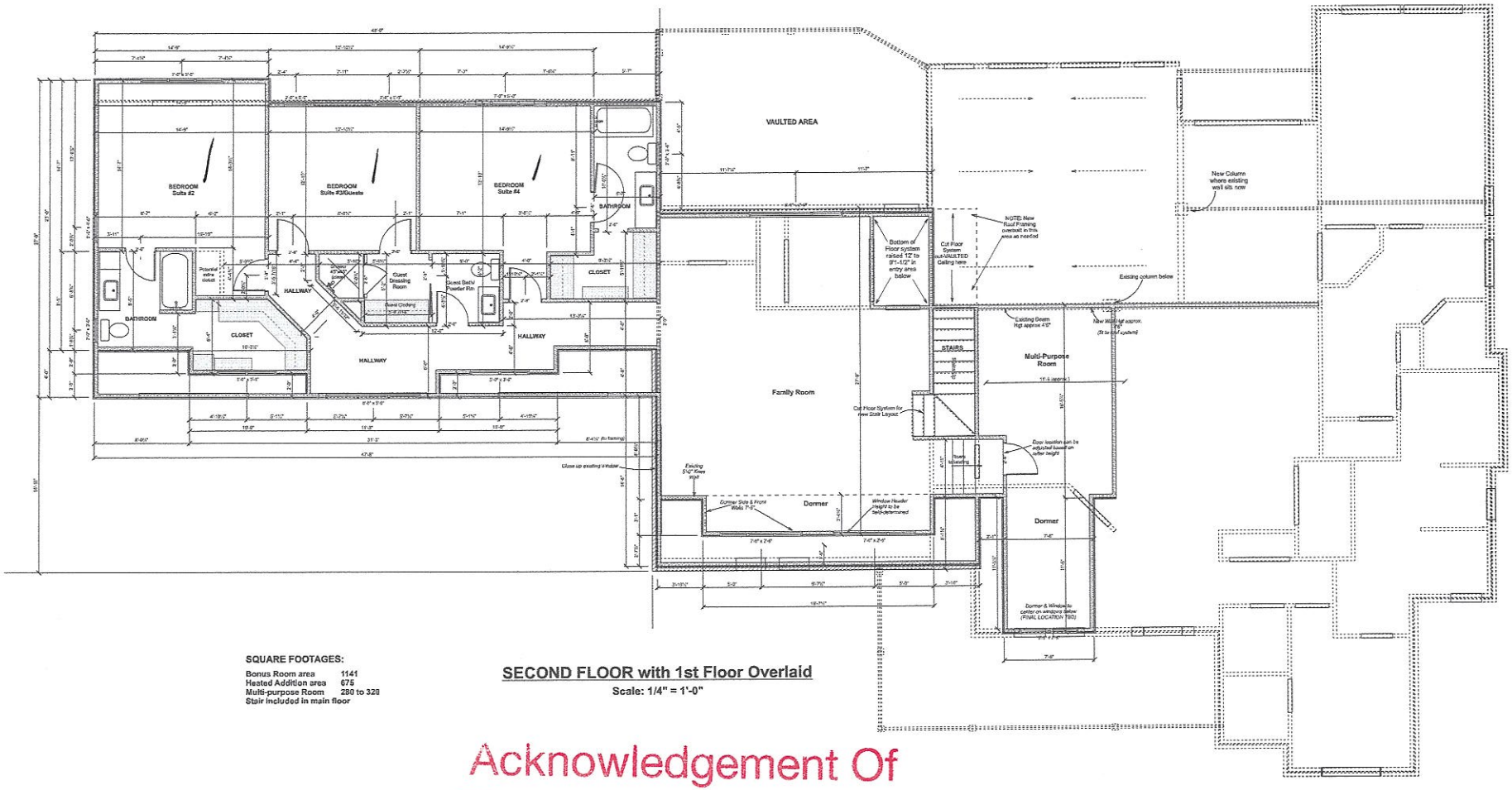
Paula J. Bostic
Graceful Living, Inc.
487 Hugh Maske Road
Waynesville, NC 28786
704-634-4178
PJBEAGLE@AOL.COM

General Contractor:
Pinnacle Building Services, LLC
127 Promenade Drive Mooresville, NC 28117
Mike Ryon 704-361-1064

Designed for:
Pollock & Arnold Home
Sunstede Lane
Mooresville, NC 28115

MAIN FLOOR

Date: 8-6-2020
Version #: 2.1
Scale: 1/4" = 1'-0"
Page 3



SQUARE FOOTAGES:

Bonus Room area	1141
Heated Addition area	675
Multi-purpose Room	280 to 328
Stair included in main floor	

SECOND FLOOR with 1st Floor Overlaid

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

Acknowledgement Of
Plans Submittal ONLY!

Benjamin A Bolton Date 11-19-2020.

Date 11/20/2020

DISCLAIMER: These Construction Drawings are provided "as is". Graceful Living, Inc. does not provide any guarantees concerning these plans and assumes no responsibility for any damages, including but not limited to, structural failures due to any deficiencies, omissions or errors in design. Purchaser and or his/her General Contractor are solely responsible for assuring that contractor of these plans knows all applicable Building Codes. Graceful Living, Inc. assumes no responsibility for these plans meeting applicable Building Codes. This set of Construction Drawings is not valid for construction unless stamped by a Professional Engineer (PE) licensed in the state where construction will occur. Purchasers of plans are solely responsible for having these plans stamped by a P.E. prior to the commencement of construction. The maximum liability in any instance which can be imposed upon Graceful Living, Inc. by Purchasers or any third party shall not exceed bill of the original purchase price. All rights reserved.

Paula J. Bostic
Graceful Living, Inc.
467 Hugh Massie Road
Waynesville, NC 28786
704-634-4478
PJBEAGLE@AOL.COM

General Contractor:
Pinnacle Building Services, LLC
127 Promenade Drive Mooresville, NC 28117
Mike Ryon 704-361-1064

Designed for:
Pollock & Arnold Home
132 Sunstede Lane
Mooresville, NC 28117

2nd FLOOR

Date: 8-6-2020

Version #: 2.1

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

Page 4

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

APPLICATION NUMBER
311942 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4614846643.000	132 SUNSTEDE DR	Iredell County

Owner Information	Applicant Information
Name: POLLOCK BENJAMIN G+BRANDI M	Name: SOIL AND FORESTRY SERVICES
Address:	Address: P. O. BOX 832
,	MOORESVILLE, NC 28115
Phone:	Phone: (704)746-5046

Use Requested	Zone Code
Addition	R-20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.86	35	35	15	15	WSIV-CA Catawba/Lake Norman	YES

Remarks
BEDROOM ADDITION

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.

Signature of Owner/Contractor

Date: 10/20/2020

Permit Number	311942

TOTAL FEES:	$77.25