PTB AP

ICHD–ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 315535

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

PIN # 4637324845

APPLICANT/OWNER: Davida Dawn Burnworth | APPLICANT ADDRESS: 578 Normandy Rd Mooresville, NC

SITE ADDRESS: 450 Oak Tree Rd Mooresville, NC 28117 | PHONE: Mike 704 576-3857 | ALT. PHONE

SITE DIRECTIONS: Brawley School Rd TR Oak Tree Rd past big curve on right

SUBDIVISION: Clary | SECTION: 9 | LOT # 222 | LOT AREA: .68 Acre | SAP CONTROLLED: ☐ YES ☒ NO | DESIGN FLOW: 480 gpd | L.T.A.R.: .3 7,125 Rep

Septic Tank	1000 (gal)	STB ~~STOAF 7400~~	Date 11/9/21	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	(gal)	PT	Date	System Description: Gravity PPBPS + Exist. Bed				☐ Business	No. Persons 8
Pump Make		Model	Serial #	Repair System Description: TSIL Pretreatment Drip				☐ Other	No. Employees
# Nitrification Fields	1	# Lines 3	Linear Ft 135' + Exist	Maintenance Agreement Required:		☐ YES	☒ NO	☐ Slab	☐ Crawl Space
Trench Width	min 24"	Trench Bottom Depth ~~(Low side)~~ max	36"	Gravel Depth	N/A	☒ GRAVITY	☐ PRESSURE	☒ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: ★ Must abandon existing well prior to Authorization to Construct
★ Lot deeded 5/9/1977 Well abandoned 12/4/20

Note: Split effluent equally between Existing drainfield & new drain lines. Abandon part of drainfield that slightly encroaches into 50ft buffer.

INITIAL SITE SKETCH

★ Deck must be a minimum of 5ft from Septic.

See attached, approved Septic Plan by Michael Athanas & Assoc. dated 2/26/21.

AS BUILT SKETCH

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**

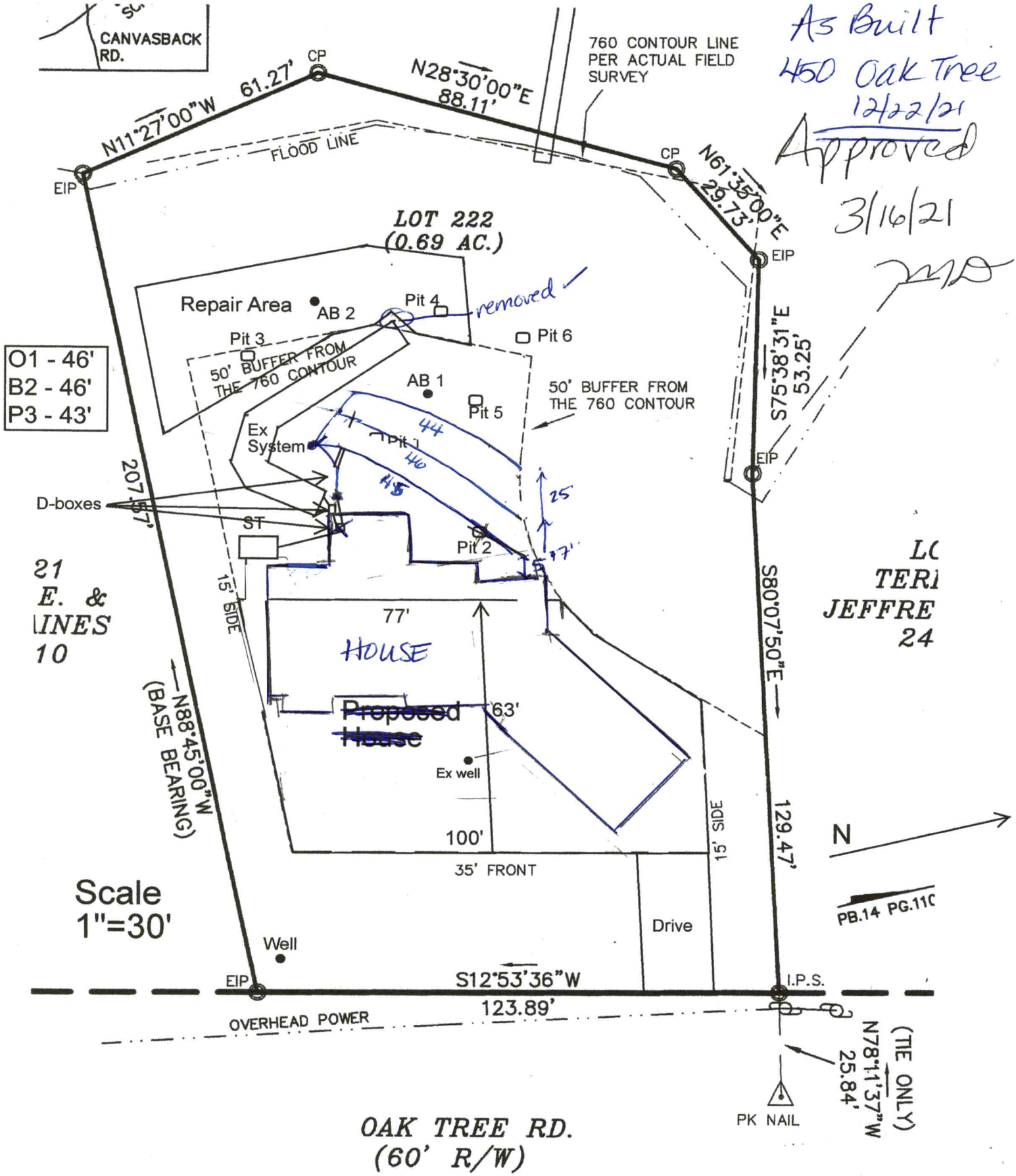
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: David Burnworth Date: 3/18/21 Installed by: Richard Abernathy

IMPROVEMENT PERMIT by: Maria Dotson Date: 3/16/21 OPERATION PERMIT by: D Mabey Date: 12/22/21

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 4/15/21 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 inspector to confirm your inspection time.


As Built
450 Oak Tree
12/22/21
Approved
3/16/21
CANVASBACK RD.
760 CONTOUR LINE PER ACTUAL FIELD SURVEY
N11°27'00"W 61.27'
N28°30'00"E 88.11'
N61°35'00"E 29.73'
S75°38'31"E 53.25'
S80°07'50"E 129.47'
N88°45'00"W (BASE BEARING) 207.57'
S12°53'36"W 123.89'
FLOOD LINE
CP
EIP
LOT 222 (0.69 AC.)
Repair Area
AB 2
AB 1
Pit 1
Pit 2
Pit 3
Pit 4
Pit 5
Pit 6
removed
50' BUFFER FROM THE 760 CONTOUR
50' BUFFER FROM THE 760 CONTOUR
O1 - 46'
B2 - 46'
P3 - 43'
Ex System
D-boxes
ST
44
46
45
25
77'
15' SIDE
HOUSE
Proposed House
63'
Ex well
100'
35' FRONT
15' SIDE
Drive
Well
OVERHEAD POWER
I.P.S.
(TIE ONLY) N78°11'37"W 25.84'
PK NAIL
N
Scale 1"=30'
PB.14 PG.110
21 E. & LINES 10
LC TERI JEFFRE 24
OAK TREE RD. (60' R/W)



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
2/26/2021

Approved
3/16/21
MA

Reference: Data Sheet for 450 Oak Tree Rd, CL&T Sec 9. Lot 222
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480
Proposed LTAR: 0.3 GPD/FT^2 (initial), 0.125 GPD/FT^2 (repair)
Proposed System Type: Existing bed + PPBPS
Proposed Repair System Type: TSII Pretreated Drip Dispersal
Distribution: Gravity-Distribution Boxes
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 30-36" (initial), 12-18" (repair)
Proposed Trench Width: 24" (8' on center)



Line	Design Length	Actual Length
Existing Conventional Bed		
Orange 1	**46'**	**48'**
Blue 2	**46'**	**47'**
Pink 3	**43'**	**43'**

Initial System: Existing Bed + 135' **Repair System:** 1940 FT^2

Comments:
There is an existing system on the site. MA&A are proposing to add two bedrooms of PPBPS for a total of four bedrooms. The effluent should be split equally between the existing and the new systems. The existing system crosses slightly into the 50' setback (approximately 5 FT^2). This small area must be removed and that square footage will be added to the new system. The existing well must be abandoned.

Deed date 5/9/1977

PROPERTY ID #: 4637324845
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Approved
3/16/21 mo

OWNER: David & Dawn Burnsworth
APPLICATION DATE
ADDRESS: 578 Normandy Rd, Mooresville, NC 28117
DATE EVALUATED:
PROPOSED FACILITY: 4 BRDM PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.69 AC
LOCATION OF SITE: 450 Oak Tree Rd, CL&T Sec 9 Lot 222
PROPERTY RECORDED: 5/9/1977
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: X Auger Boring X Pit ☐ Cut
TYPE OF WASTEWATER: X 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	
PIT 1	LS 3%	0-6	COMPACTED		N/A	56"	F-C SAP @ 48"	N/A	PS 0.3
		6-29	R C SBK	FR SS SP SXP					
		29-56	R CL WSBK	FR SS SP SXP					
PIT 2	LS 3%	0-40	R C SBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3
		40-48	R CL WSBK	FR SS SP SXP					
PIT 3	LS 8%	0-35	R C SBK	FR SS SP SXP	N/A	50"	N/A	N/A	PS 0.3
		35-50	R CL WSBK	FR SS SP SXP					
PIT 4	LS 8%	0-10	FILL		N/A	36"	N/A	N/A	PS 0.3
		10-36	R C SBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Ex Sys + 270 FT^2	1940 FT^2
System Type(s)	Ex Sys + PPBPS	TSII DRIP
Site LTAR	0.3	0.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

Approved 3/16/21 MO

PROPERTY ID #: 4637324845

DATE OF EVALUATION:

COUNTY: IREDELL

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	
PIT 5	LS 6%	0-33	FILL		N/A	58"	N/A	N/A	NOT IN SYSTEM AREA
		33-58	R CL WSBK	FR SS SP SXP					
PIT 6	LS 8%	0-36	FILL		N/A	60"	N/A	N/A	NOT IN SYSTEM AREA
		36-60	R CL WSBK	FR SS SP SXP					
AB 1	LS 4%	0-32	R C SBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3
		32-48	R CL WSBK	FR SS SP SXP					
AB 2	LS 8%	0-36	R C SBK	FR SS SP SXP	N/A	36"	N/A	N/A	PS 0.3

COMMENTS:

RECEIVED MAR 5 - 2021

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $350 AP- 315535

Application For: ( ) 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 ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: David & Dawn Burnworth **Address:** 578 Normandy Rd, Mooresville, NC **Zip:** 28117

Applicant Email: daburnworth@yahoo.com **Phone:** _____ **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 450 Oak Tree Rd

Subdivision Name: CL&T **Section/Phase:** 9 **Lot Number:** 222

Driving Directions: _____

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

CHECK FOUNDATION TYPE

(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
( ) Other Addition/Structure: _____

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(X) 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:** _____

(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 (X) Modified Conventional ( ) Other: _____

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: _____ 3/4/2021
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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, DAVID BURNWORTH, am the legal owner(s) of the property located at 450 OAK TREE RD, MOORESVILLE NC 28117, identified as PIN (Parcel Identification Number) 4637324845, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas & Associates_, _____, 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.

David A Burnworth 3/1/2021

Signature of Owner(s) Date

Signature of Witness 3/1/21 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

DOOR & OPENING SCHEDULE

NO	TYPE	DESCRIPTION	WIDTH	HEIGHT	THICK	HINGE	JAMB SIZE	HDW	Finish
1	A	Entry Specialty Unit	2'3"-0"	6'-0"	1 3/4"	LH - RH	5 3/4" x 1 1/4"	1-2-6-10-12	TBD
2	B	Wood 6 Panel	3'-0"	6'-0"	1 1/8"	RH	4 1/2" x 3/4"	9-9	TBD
3	B	Wood 6 Panel	3'-0"	6'-0"	1 3/8"	LH	4 1/2" x 3/4"	6-10	TBD
4	-	Cased Opening	4'-0"	9'-0"	-	-	4 1/2" x 3/4"	-	-
5	B	Wood 5 Panel	2'-8"	6'-0"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
6	B	Wood 6 Panel	3'-0"	6'-0"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
7	B	Wood 6 Panel Pocket	3'-0"	9'-0"	1 3/8"	-	4 1/2" x 3/4"	7	TBD
8	B	Wood 6 Panel	3'-0"	9'-0"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
9	B	Wood 6 Panel	2'-6"	9'-0"	1 3/8"	RH	4 1/2" x 3/4"	6-10	TBD
10	G	Glass Sliding Unit	6'-0"	9'-0"	1 3/4"	LH - RH	4 1/2" x 3/4"	Factory	TBD
11	-	Cased Cambered Arch	14'-7"	9'-0"	-	-	4 1/2" x 3/4"	-	-
12	C	Wood / Glass / Transom	3'-0"	9'-0"	1 3/4"	RH	5 3/4" x 3/4"	3-4-10-12	-
13	-	Cased Opening	4'-0"	9'-0"	-	-	4 1/2" x 3/4"	-	-
14	B	Wood 6 Panel	2'-6"	9'-0"	1 3/8"	RH	4 1/2" x 3/4"	6-11	TBD
15	B	Wood 6 Panel	2'-6"	9'-0"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
16	B	Wood 6 Panel	3'-0"	9'-0"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
17	B	Wood 6 Panel	6'-0"	9'-0"	1 3/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
18	B	Wood 6 Panel	3'-0"	9'-0"	1 3/8"	-	4 1/2" x 3/4"	7	TBD
19	B	Wood 6 Panel	6'-8"	9'-0"	1 3/8"	LH	4 1/2" x 3/4"	9-9	TBD
20	B	Wood 6 Panel B Label	3'-0"	9'-0"	1 3/8"	RH	4 1/2" x 3/4"	3-4-10-12	TBD
21	E	Garage	10'-0"	8'-0"	1 3/4"	Up	5 3/4" x 1 1/4"	Factory	-
22	E	Garage	10'-0"	9'-0"	1 3/4"	Up	5 3/4" x 1 1/4"	Factory	-
23	E	Garage	10'-0"	9'-0"	1 3/4"	Up	5 3/4" x 1 1/4"	Factory	-

WINDOW SCHEDULE

OPENING ID	TYPE	SIZE W X H	TRANSOM	SECTIONS	HINGE	JAMB SIZE
A	Casement	4'-0" x 4'-6"	2'-0"	1	RH	See Mfg
B	Fixed Glass	5'-0" x 6'-0"	7'-6"	1	-	See Mfg
C	Deleted	-	-	-	-	-
D	Casement	3'-0" x 4'-6"	2'-0"	1	LH	See Mfg
E	Casement	3'-0" x 4'-6"	2'-0"	1	RH	See Mfg
F	Casement	9'-0" x 4'-6"	2'-0"	3	LH - F - RH	See Mfg
G	Casement	2'-0" x 4'-6"	2'-0"	1	LH	See Mfg
H	Casement	2'-0" x 4'-6"	2'-0"	1	RH	See Mfg
I	Sturdistorm	16'-0" - Varies	-	8	-	See Mfg
J	Casement	12'-0" x 9'-6"	7'-0"	4	LH - F - F - RH	See Mfg
K	Casement	9'-0" x 4'-6"	2'-0"	3	LH - F - RH	See Mfg
L	Casement	2'-0" x 4'-6"	-	1	RH	See Mfg
M	Casement	6'-0" x 4'-6"	-	2	LH - RH	See Mfg
N	Casement	6'-0" x 4'-6"	-	2	LH - RH	See Mfg
O	Casement	6'-0" x 4'-6"	-	2	LH - RH	See Mfg
P	Casement	3'-0" x 4'-6"	-	1	LH	See Mfg
Q	Casement	3'-0" x 4'-6"	-	1	RH	See Mfg
R	Casement	2'-0" x 4'-6"	2'-0"	1	-	See Mfg
S	Casement/Fixed/Casement	6'-0" x 4'-0"	-	3	LH - F - RH	See Mfg
T	Fixed Glass	2'-0" x 3'-0"	-	1	-	See Mfg

WINDOW NOTES:
1. Windows to be Anderson 400 Series or equal. Provide mfg. options & rough opening sizes
2. Windows to be wood w/ aluminum exterior & primed or painted inside. Colors to be selected by Owner.
3. Glass to be double pane low E.
4. All windows to be picture frame cased with no sills.

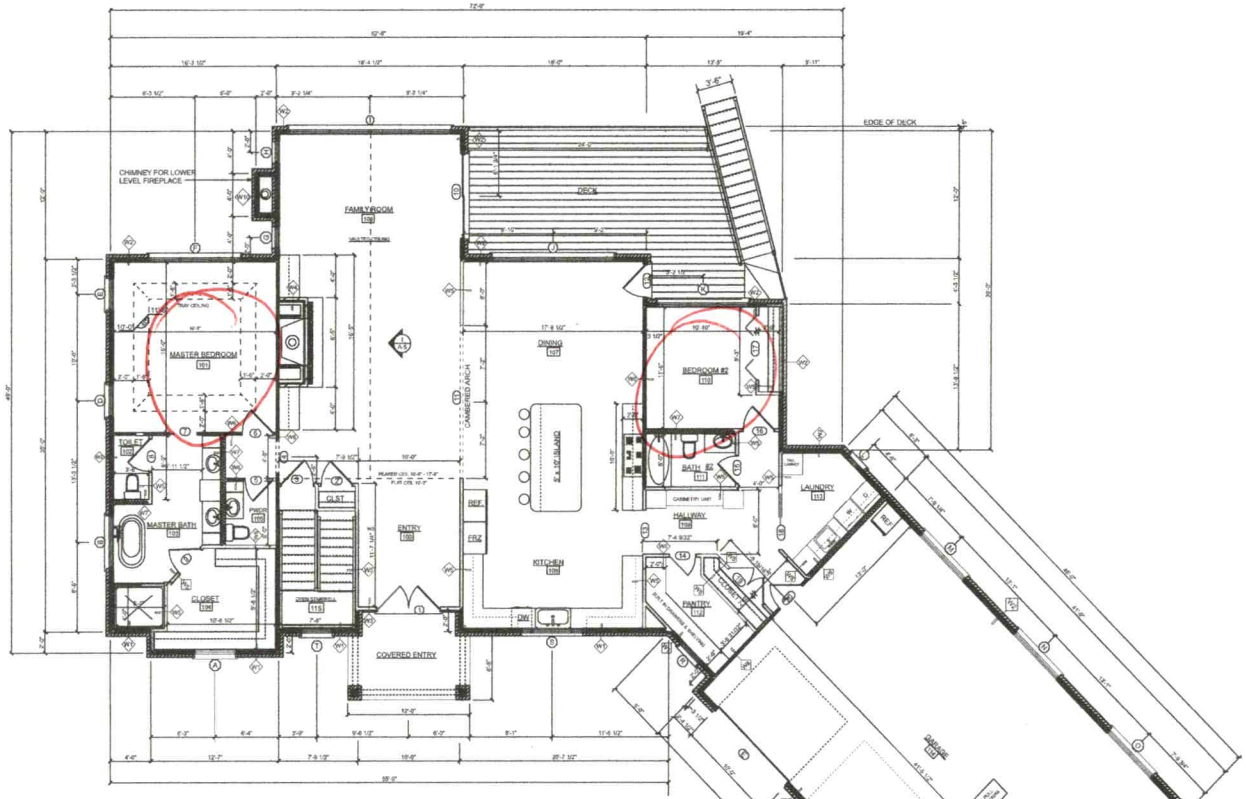
HARDWARE SCHEDULE

NO	DESCRIPTION	MFG - MODEL	FINISH
1	Special Entry Lockset	Schlage, Baldwin or Equal	Owner to select
2	Special Dummy Handle	Schlage, Baldwin or Equal	Owner to select
3	Key Entry Lockset	Schlage, Baldwin or Equal	Owner to select
4	Deadlock	Schlage, Baldwin or Equal	Owner to select
5	Privacy Lockset	Schlage, Baldwin or Equal	Owner to select
6	Passage Lockset	Schlage, Baldwin or Equal	Owner to select
7	Pocket Passage Lockset	Schlage, Baldwin or Equal	Owner to select
8	Flush Bolts	Schlage, Baldwin or Equal	Owner to select
9	Bifold Knobs / Handles	Schlage, Baldwin or Equal	Owner to select
9	Wall Mount Door Stop	Schlage, Baldwin or Equal	Owner to select
10	Base Mount Door Stop	Schlage, Baldwin or Equal	Owner to select
11	Hinge Pin Door Stop	Schlage, Baldwin or Equal	Owner to select
12	Aluminum Threshold	Schlage, Baldwin or Equal	Owner to select

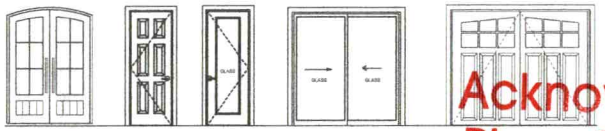
ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOORING	CEILING	CEILING HGHT	WALLCOVERING	BASEBOARD	CROWN MOLD
100	Entry Foyer	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
101	Master Bedroom	LVT or Laminate	Smooth Drywall / Paint	Tray 10'-0" - 11'-0" @ 45 Angle	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
102	Toilet Room	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	5" Poplar Wood	5" Poplar Wood
103	Master Bath	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
104	Master Closet	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
105	Powder Room	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
106	Family Room	LVT or Laminate	Smooth Drywall / Paint	Vaulted 10'-0" - 17'-9" +-	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
107	Dining Room	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
108	Kitchen	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
109	Hallway	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
110	Bedroom #2	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
111	Bathroom #2	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
112	Pantry	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
113	Laundry	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
114	Garage	Concrete	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
115	Stairwell	LVT or Laminate	Smooth Drywall / Paint	10'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood

NOTE
1. SEE SHEET A-6 FOR WALL & PARTITION SECTIONS
2. ALL DIMENSIONS ARE FROM FRAMING



MAIN LEVEL FLOOR PLAN
3/16" = 1'-0"



DOOR TYPES

Acknowledgement Of Plans Submittal ONLY!
Date 3/31/21
Date 4/5/21

KCI Designs
Architectural Design
CAD Drafting - Consulting
202 Digh Circle
Mooresville N.C. 28117
704 - 363 - 8895
kcidesigns@ftwc.com
Designer - Tony Kralovic

Project
A CUSTOM RESIDENCE FOR
David & Dawn Burnworth
450 OAK TREE ROAD, MOORESVILLE, N.C. 28117

PROJECT #	2005
DATE	1.29.2021
DRAWN BY	TK
CHECKED BY	DB
SCALE	AS NOTED

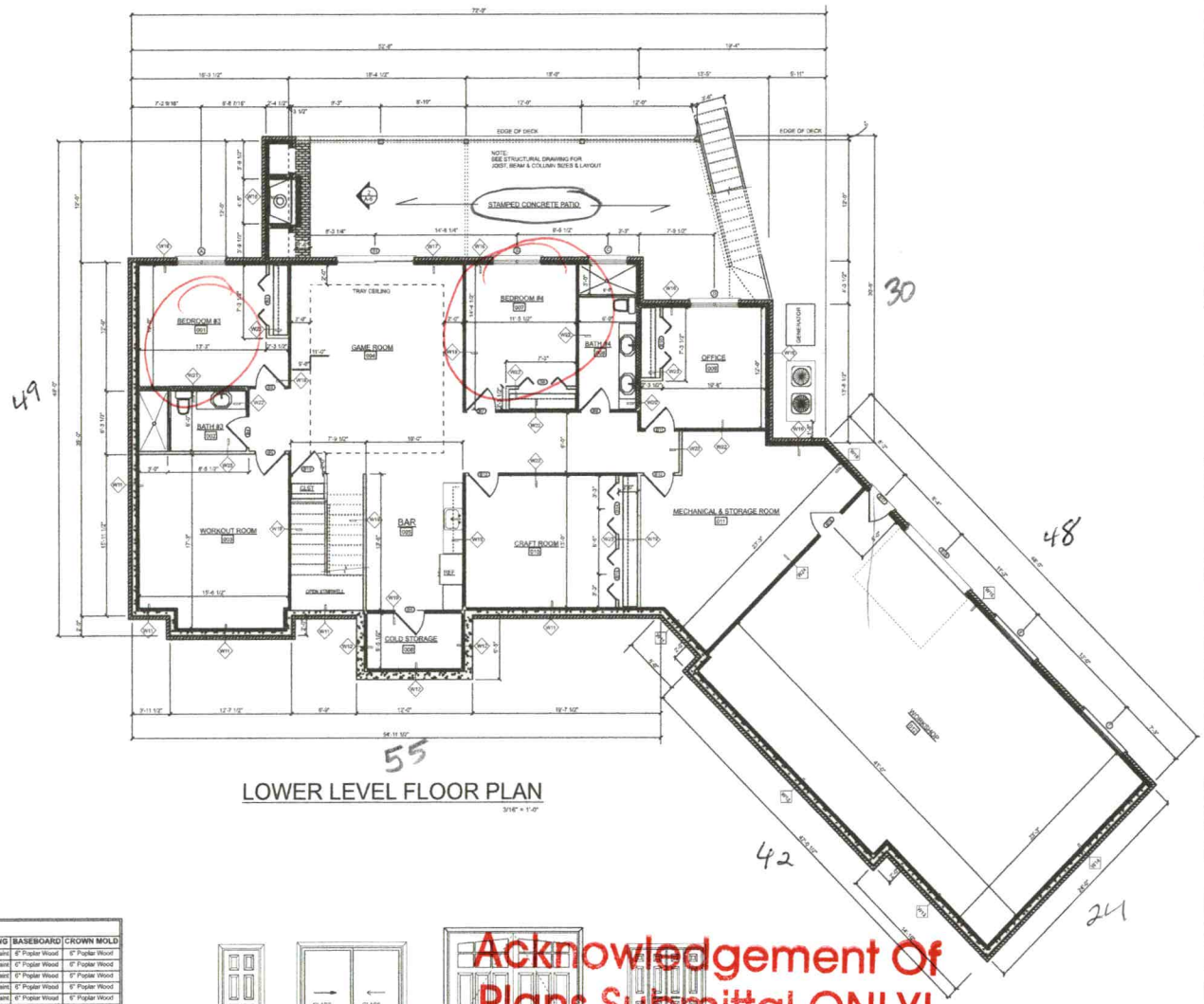
REVISED

NOTE
These are Architectural Design Plans using the 2018 NC Building Code. Engineering if required shall be done by a Professional Engineering Firm.

DESCRIPTION
Main Level Floor Plan
Sheet A-1

COPYWRITE 2020 KCI DESIGNS

72



49 30 48 42 24 55

LOWER LEVEL FLOOR PLAN

3/16" = 1'-0"

DOOR & OPENING SCHEDULE

NO	TYPE	DESCRIPTION	WIDTH	HEIGHT	THICK	HINGE	JAMB SIZE	HDW	Finish
B1	D	Glass Sliding Unit	6'-0"	6'-8"	1 3/4"	LH - RH	4 1/2" x 3/4"	Factory	TBD
B2	F	Wood Bifold 6 Panel	5'-0"	6'-8"	1 1/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
B3	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
B4	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
B5	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
B6	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
B7	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
B8	F	Wood Bifold 6 Panel	5'-0"	6'-8"	1 1/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
B9	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
B10	F	Wood Bifold 6 Panel	6'-0"	6'-8"	1 1/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
B11	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD
B12	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
B13	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	RH	4 1/2" x 3/4"	5-10	TBD
B14	F	Wood Bifold 6 Panel	5'-0"	6'-8"	1 1/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
B15	F	Wood Bifold 6 Panel	9'-0"	6'-8"	1 1/8"	LH - RH	4 1/2" x 3/4"	9-9	TBD
B16	B	Wood 6 Panel	3'-0"	6'-8"	1 3/8"	RH	4 1/2" x 3/4"	3-11	TBD
B17	B	Wood 6 Panel	3'-0"	6'-8"	1 3/4"	RH	5 3/4" x 1 1/4"	3-4-10	TBD
B18	E	Garage	10'	8'-0"	1 3/4"	Up	5 3/4" x 1 1/4"	Factory	TBD
B19	B	Wood 6 Panel	2'-6"	6'-8"	1 3/8"	LH	4 1/2" x 3/4"	5-10	TBD

WINDOW SCHEDULE

OPENING ID	TYPE	WIDTH	HEIGHT	SECTIONS	HINGE	JAMB SIZE
A	Casement	5'-0"	4'-6"	2	LH - RH	Factory
B	Casement	5'-0"	4'-6"	2	LH - RH	Factory
C	Awning	4'-0"	2'-6"	1	OUT	Factory
D	Casement	5'-0"	4'-6"	2	LH - RH	Factory
E	Casement	6'-0"	3'-6"	2	LH - RH	Factory
F	Casement	6'-0"	5'-6"	2	LH - RH	Factory

WINDOW NOTES:
1. Windows to be Anderson 400 Series or equal. Provide mfg. options & rough opening sizes
2. Windows to be wood w/ aluminum exterior & primed or painted inside. Color to be selected by Owner.
3. Glass to be double pane low E.
4. All windows to be picture frame cased with no sills.

HARDWARE SCHEDULE

NO	DESCRIPTION	MFG - MODEL	FINISH
1	Special Entry Lockset	Schlage, Baldwin or Equal	Owner to select
2	Special Dummy Handle	Schlage, Baldwin or Equal	Owner to select
3	Key Entry Lockset	Schlage, Baldwin or Equal	Owner to select
4	Deadlock	Schlage, Baldwin or Equal	Owner to select
5	Privacy Lockset	Schlage, Baldwin or Equal	Owner to select
6	Passage Lockset	Schlage, Baldwin or Equal	Owner to select
7	Pocket Passage Lockset	Schlage, Baldwin or Equal	Owner to select
8	Flush Bolts	Schlage, Baldwin or Equal	Owner to select
9	Bifold Knobs / Handles	Schlage, Baldwin or Equal	Owner to select
10	Wall Mount Door Stop	Schlage, Baldwin or Equal	Owner to select
11	Base Mount Door Stop	Schlage, Baldwin or Equal	Owner to select
12	Hinge Pin Door Stop	Schlage, Baldwin or Equal	Owner to select
13	Aluminum Threshold	Schlage, Baldwin or Equal	Owner to select

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOORING	CEILING	CEILING HGHT	WALLCOVERING	BASEBOARD	CROWN MOLD
001	Bedroom #3	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
002	Bath #3	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
003	Workout Room	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
004	Game Room	LVT or Laminate	Smooth Drywall / Paint	Tray 9'-0" / 11'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
005	Bar Area	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
006	Cold Storage	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
007	Bedroom #4	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
008	Bath #4	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
009	Office	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
010	Craft Room	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
011	Mechanical Room / Stg	LVT or Laminate	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood
012	Workshop	Concrete	Smooth Drywall / Paint	9'-0"	Smooth Drywall / Paint	6" Poplar Wood	6" Poplar Wood

NOTE:
1. SEE SHEET A-7 FOR WALL & PARTITION SECTIONS
2. ALL DIMENSIONS ARE FROM FRAMING.

DOOR TYPES

Acknowledgement Of Plans Submittal ONLY!

Date 3/31/21

Date 4/15/21

KCI Designs
Architectural Design
CAD Drafting - Consulting
202 Digh Circle
Mooresville N.C. 28117
704 - 363 - 8895
kcidesigns@twc.com
Designer - Tony Kralovic

Project: A CUSTOM RESIDENCE FOR David & Dawn Burnworth 450 OAK TREE ROAD, MOORESVILLE, N.C. 28117

PROJECT # 2005
DATE 1.29.2021
DRAWN BY TK
CHECKED BY TK
SCALE AS NOTED
REVISED

NOTE
These are Architectural Design Plans using the 2018 NC Residential Code. Engineering if required shall be done by a Professional Engineering Firm.

DESCRIPTION
Lower Level Floor Plan

Sheet A-2

COPYRIGHT 2020 KCI DESIGNS

WELL ABANDONMENT RECORD

Emailed 12/4/2020

For Internal Use ONLY:

1. Well Contractor Information:

Alfred Kiesling Jr.

Well Contractor Name (or well owner personally abandoning well on his/her property)

3266-A

NC Well Contractor Certification Number

B & K Well Drilling Inc

Company Name

2. Well Construction Permit #: 312709

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.) if known

3. Well use (check well use):

Water Supply Well:	
☐ Agricultural	☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply)	☒ Residential Water Supply (single)
☐ Industrial/Commercial	☐ Residential Water Supply (shared)
☐ Irrigation	
Non-Water Supply Well:	
☐ Monitoring	☐ Recovery
Injection Well:	
☐ Aquifer Recharge	☐ Groundwater Remediation
☐ Aquifer Storage and Recovery	☐ Salinity Barrier
☐ Aquifer Test	☐ Stormwater Drainage
☐ Experimental Technology	☐ Subsidence Control
☐ Geothermal (Closed Loop)	☐ Tracer
☐ Geothermal (Heating/Cooling Return)	☐ Other (explain under 7g)

4. Date well(s) abandoned: _____

5a. Well location:

David Burnworth

Facility/Owner Name

_____

Facility ID# (if applicable)

450 Oak Tree Rd

Physical Address, City, and Zip

Iredell

County

4637 52 4845

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(1 well field, one lat/long is sufficient)

_____ N _____ W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: _____

6b. Total well depth: 150 (ft.)

6c. Borehole diameter: 6 (in.)

6d. Water level below ground surface: 30 (ft.)

6e. Outer casing length (if known): _____ (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): _____ (ft.)

WELL ABANDONMENT DETAILS

7a. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same well construction/depth, only 1 GW-30 is needed. Indicate TOTAL NUMBER of wells abandoned: _____

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: Chlorine

7d. Amount of disinfectant used: 16 Ounces

7e. Sealing materials used (check all that apply):

☐ Neat Cement Grout	☒ Bentonite Chips or Pellets
☐ Sand Cement Grout	☐ Dry Clay
☒ Concrete Grout	☐ Drill Cuttings
☐ Specialty Grout	☐ Gravel
☐ Bentonite Slurry	☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

2 38 Bags of Hole Plug

1 Bag concrete

7g. Provide a brief description of the abandonment procedure:

poured + hydrated

8. Certification:

Alfred Kiesling Jr. 12-4-20

Signature of Certified Well Contractor or Well Owner — Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the addressee(s) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

IREDELL COUNTY · NC

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

APPLICATION NUMBER
315535 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4637324845.000	450 OAK TREE RD	Iredell County

Owner Information	Applicant Information
Name: BURNWORTH DAVID A+DAWN M	Name: MICHAEL ATHANAS & ASSOCIATES
Address:	Address: 561 ENNIS RD
,	WEDDINGTON, NC 28173
Phone:	Phone: (704)576-3887

Use Requested	Zone Code
Single Family Dwelling	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.68	35	50	15	15	WSIV-CA Catawba/Lake Norman	YES

Remarks
SFD Lake Lots: Must meet both the 50-foot setback from the 760' contour line and the 35-foot setback from the rear property line for any structure.

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.

Date: 03/05/2021

Signature of Owner/Contractor

Permit Number	315535

TOTAL FEES:	$77.25