ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

SH BLDR-2024-52464

PERMIT : OSWP 2024-49923

PIN # 4737-78-6388

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

APPLICANT/OWNER: MIKE CALDWELL

APPLICANT ADDRESS: PO Box 240 Cleveland, NC 27013

SITE ADDRESS: 288 Bluegill Ln Statesville NC 28625

PHONE: 704 223 3463

ALT. PHONE —

SITE DIRECTIONS: 115 N → (R) Red Chimney Ln → (L) S. Chipley Ford → (R) Bluegill

SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: Poplar Ridge

SECTION: 2

LOT # 11

LOT AREA: 1.616

DESIGN FLOW: 360

L.T.A.R.(Initial): 0.275

L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	Date	[X] New System	[ ] Repair	[ ] Expansion	System Type: I II (III) IV V VI	[X] Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description:	Gravity 25%			[ ] Business	No. Persons 6
Pump Make	Model		Serial #	Repair System Description:	Gravity 25%			[ ] Other	No. Employees —
# Nitrification Fields	1 # Lines 3		Linear Ft 328'	Maintenance Agreement Required:	[ ] YES	[X] NO		[ ] Slab	[X] Crawl Space
Trench Width	36" *Max. Trench Depth(Initial)	26"	*Max. Trench Depth(Repair) 26" Gravel Depth —	[X] GRAVITY	[ ] PRESSURE			[ ] Basement w/plumbing	[ ] Basement w/o plumbing

Water Supply: [ ] Private [X] Public [ ] Community

* Measured on the downhill side of the trench

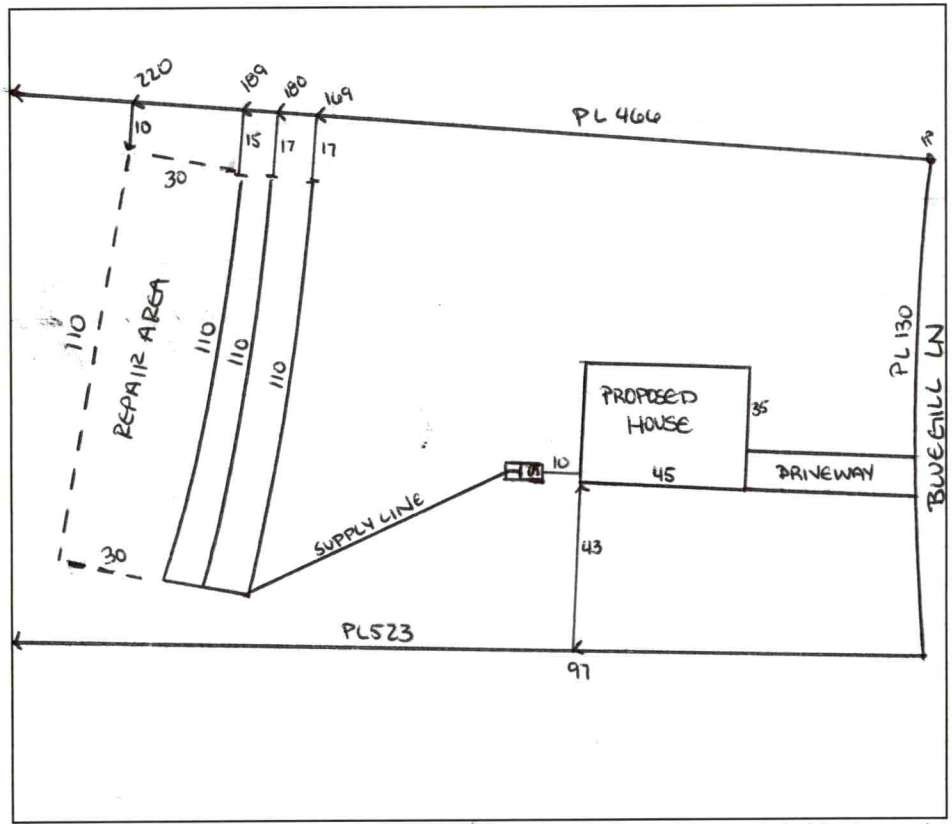
Effluent Standard: [X] DSE [ ] HSE [ ] TS-I [ ] TS-II [ ] RCW [ ] NSF/ANSI 40

Usable Depth to LC (Initial): 48

Usable Depth to LC (Repair): 48 *Limiting Condition*

Comments / Conditions: Install on contour 9' on center. do not exceed 36" maximum trench depth. Do not grade pave, park, drive over septic area.

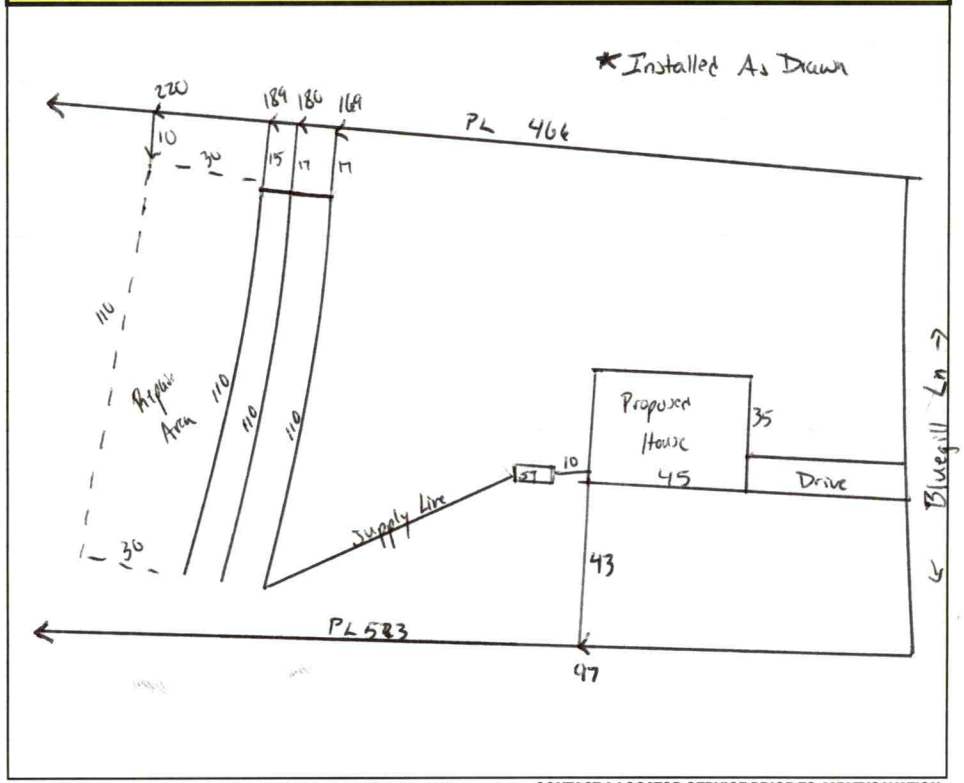
INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am

the day the inspection is needed. Be sure to speak with an inspector to confirm your time.



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

[ ] **IMPROVEMENT PERMIT** ***with plat*** *valid without expiration.*

[X] **IMPROVEMENT PERMIT** ***with site plan*** *valid for 60 mos.*

[X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE Date: — Installed by: Sid Gastkins

IMPROVEMENT PERMIT by: Sarah Williams ✓ Date: 4/22/2024 OPERATION PERMIT by: BM ✓ Date: 6/21/24

AUTHORIZATION TO CONSTRUCT by: Sarah Williams ✓ Date: 4/29/2024 Existing System Inspected by: Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

PERMIT SNAPSHOT REPORT OSWP-2024-49923 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/26/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Bracken, Sarah	**Approval Expire Date:**	

Description: per builder - lot is ready DW 4/4. Site visit 4/8/24, site is ready -BM

Parcel: 4737786388.000 Main	**Address:** 288 Bluegill Ln Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
THOMAS TORRONE
107 E NEEL RANCH RD
MOORESVILLE, NC 28115

Applicant/Authorized Agent
MIKE CALDWELL
PO box 240
Cleveland, NC 27013
Mobile: (704) 223-3463

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	Yes	All proposed structure dimensions	34x35
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	6	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Municipal Water	Desired Septic System Type	Conventional (most common)
Lot Acreage	1.616	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Apr 2 2024 12:00AM
Zoning Permit Expiration Date	Sep 29 2024 12:00AM	Is the structure or development in the floodplain	No	Is the property in a local historic district?	No
Is the property located downtown?	No	Additional Unique Setbacks Apply	No	Watershed	WSIV PA SOUTH YADKIN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_MIKE_CALDWELL_3/26/2024.jpg	03/26/2024 12:12	CALDWELL, MIKE		Uploaded via CSS
12-T - Offer to Purchase and Contract - Vacant[527]_v1.pdf	03/28/2024 13:29	CALDWELL, MIKE	Available Online	
Bluegill lane PLOT PLAN2 3-19-24[460]_v1.pdf	04/02/2024 8:32	CALDWELL, MIKE	Available Online	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00029033	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00029033	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/28/2024 13:29	03/28/2024 13:30
Confirm application complete v.1	Generic Action		03/28/2024 13:30

PERMIT SNAPSHOT REPORT (OSWP-2024-49923)

Zoning Review v.1		04/02/2024 8:34	04/02/2024 12:21
~~Floodplain Admin Overview v.1~~	Task		04/02/2024 8:34
Iredell County Zoning Approval v.1	Task	04/02/2024 8:34	04/02/2024 8:35
Issue Invoice v.1	Generic Action		04/02/2024 8:35
Fees Paid v.1	Generic Action		04/02/2024 12:21
Fees v.1		04/02/2024 12:21	04/02/2024 12:21
Fees Paid v.1	Generic Action		04/02/2024 12:21
Issue Invoice v.1	Generic Action		04/02/2024 12:21
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		

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

PROPERTY ID #: 4737-78-6388
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Mike Caldwell DATE EVALUATED: 4/18/24
ADDRESS: PO Box 240 Cleveland NC 27013
PROPOSED FACILITY: SFR CRAWL PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 1.616
LOCATION OF SITE: 288 Blue Gill Ln Statesville NC 28625 PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other — WATER SUPPLY SETBACK: 10
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 23-24%	0-22	C ABK	S P SE FR		(66)		—	S 0.275	10"
		22-66	CL WABK	SS SP SE VFR	weak structure in CL heavy mica throughout few MN in CL heavy SAP in CL					
2	LS 25-26%	0-36	C ABK	S P SE FR		(52)		—	S 0.3	10"
		36-52	CL WABK	SS SP SE VFR	heavy SAP in CL few MN in CL heavy mica throughout SL SAP VAR SAP incl begin @ 23"					
		52-72	SL SAP M	NS NP SE VFR						
3	LS 25-26%	0-38	C ABK	S P SE FR		(52)		—	S 0.3	10"
		38-52	CL WABK	SS SP SE VFR	few MN in CL few mica in CL heavy SAP in CL VAR SAP					
		52-63	SL SAP M	NS NP SE VFR						
4	LS 24-25%	0-40	C ABK	S S SP SE FR		(66)		—	S 0.3	10"
		40-66	CL WABK	SS SP SE VFR	few MN in CL mica common beginning @ 30" heavy SAP in CL					
		66-73	L SAP M	NS NP SE VFR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM (SWITCH)
Available Space (.0508)	300'	328'
System Type(s)	G 25%	G 25%
Site LTAR	0.3	0.275
Maximum Trench Depth	26"	26"

SITE CLASSIFICATION (.0509): S 0.3/0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT: David Bean

Comments:

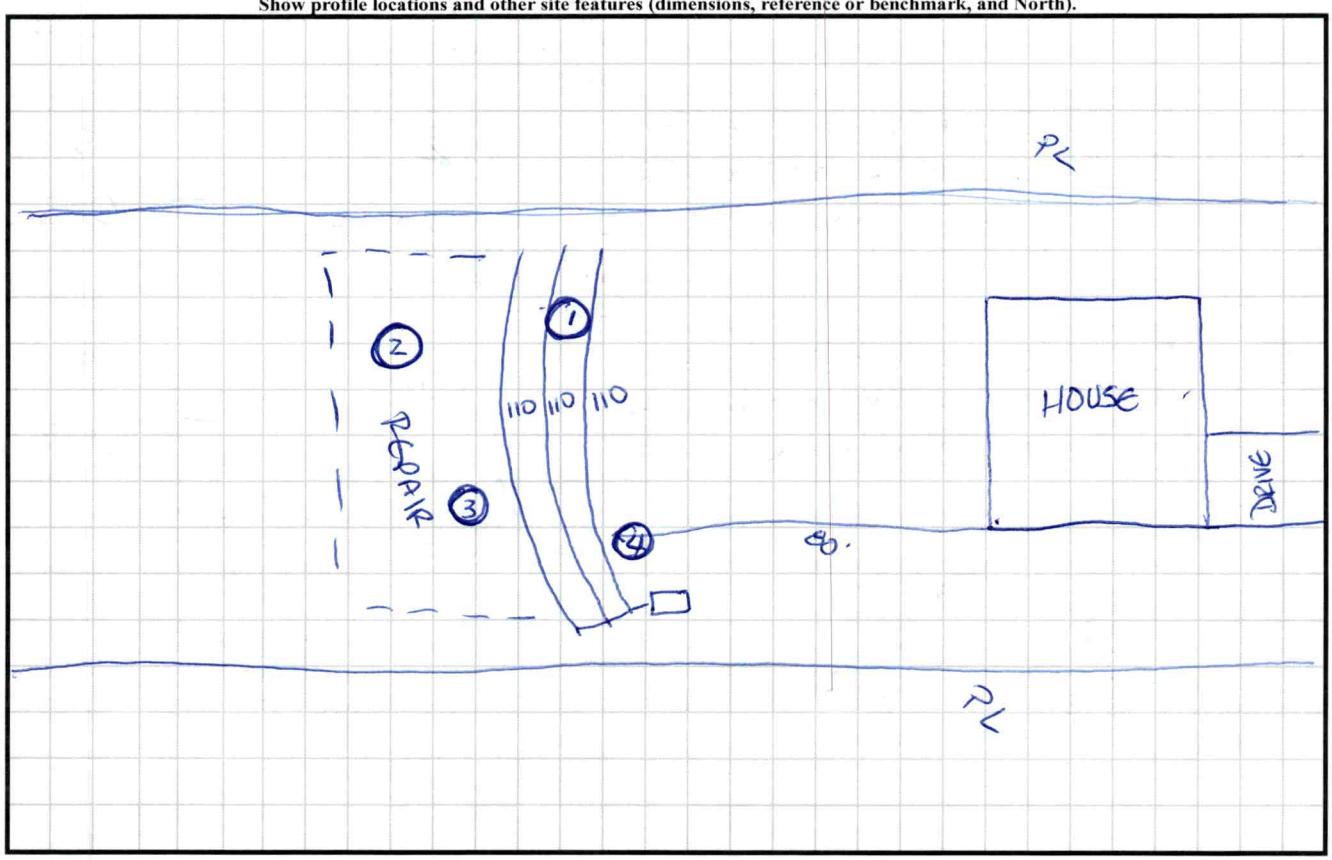
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

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



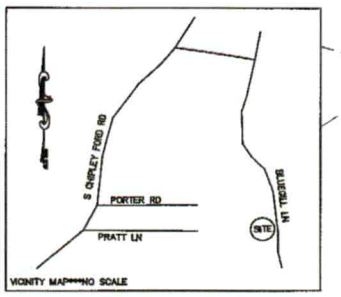
DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
127 Promenade Drive – Suite E * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2888, page 143, and/or plat book 40, page 78, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 15, day of MARCH,
A.D. 20 24.

WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



PIN 4737494174
REDMOND Q F FAMILY TR
207/05

N12°01'14"E
163.75'

15' SIDE
35' FRONT

LOT 11
1.616 AC.

418'-11 1/2"

LOT 12
BLUEWAVE CUSTOM BUILDERS INC
3008/1484

S82°30'13"W
522.75'

LOT 10
RALPH COFFMAN
2558/86

N85°30'21"E
466.81'

Proposed Septic Area

120'-5 1/4"

15' SIDE

CONC. CALC
DRIVE = 756.13 SF.
WALK = 32.19 SF.

48.5

CATAWBA

35' FRONT

48.9

37.9

C4

R/W

R/W

BLUEGILL LANE
(50' PUBLIC R/W)

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C2	971.720'	130.00'	S 08°19'23" E	129.91'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.
5) SETBACKS SHOWN PER PLAT BOOK 40 PAGE 78
VERIFY SETBACKS PRIOR TO ANY CONSTRUCTION

LEGEND
P.P. = POWER POLE
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
CP = COMPUTED POINT

PLOT PLAN SURVEY

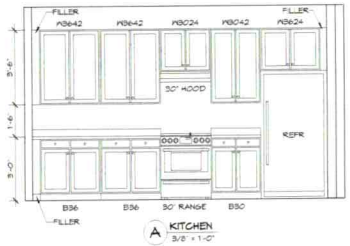
OF
288 BLUEGILL LN
LOT 11 POPLAR RIDGE SUBDIVISION
BETHANY TWSP., IREDELL CO., N.C.

SCALE 1" = 60'
ACQUIRED BY: THOMAS TORRONE

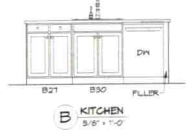
FIELD BOOK:
FILE: POPLAR RIDGE 11
DC FILE:
TAX MAP NO: 4737786388


438
4737-78-7658
1
4737-88-267
150
4737-88-251
4737-78-7523
140
282
466
145
4737-88-241
130
4737-78-6388
288
Bluegill Ln
523
112
4737-88-23
135
4737-78-7244
294
376
4737-88-2290
107
4737-78-8102
300

3BR ~ 40'x34' ... SW 4/29/24



A KITCHEN 3/8" = 1'-0"



B KITCHEN 3/8" = 1'-0"



C MASTER BATH 3/8" = 1'-0"

D BATH 2 3/8" = 1'-0"

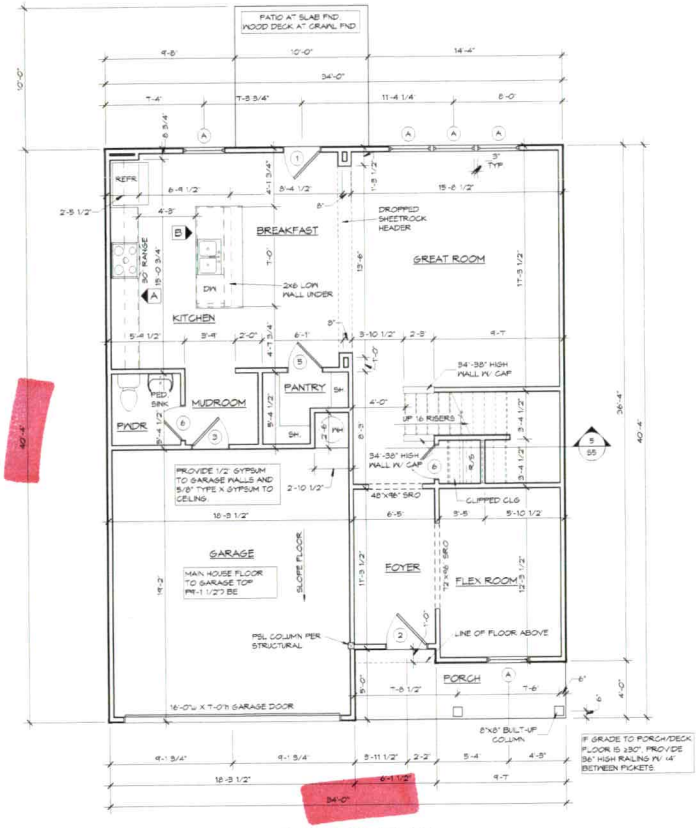
CABINET ELEVATION NOTES:
1. CABINET MAKER TO VERIFY ALL CABINET DIMENSIONS ON JOB SITE.
2. NOMINAL DIMENSIONS SHOWN FOR CABINETS DO NOT INCLUDE FILLER SPACES FOR WALL SCRIBING.
3. DO NOT SCALE DIMENSIONS FROM PRINTS. PLANS AND DETAILS MAY NOT ALWAYS PRINT TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.

DOOR SCHEDULE		
TYPE	DOOR SIZE	DESCRIPTION
1	2'-8" x 6'-8" x 1 3/4"	1 LIGHT
2	3'-0" x 6'-8" x 1 3/4"	4 LIGHT, 1 PANEL
3	2'-8" x 6'-8" x 1 3/4"	6 PANEL, 20 MINUTE
4	2'-8" x 6'-8" x 1 3/8"	6 PANEL
5	2'-6" x 6'-8" x 1 3/8"	6 PANEL
6	2'-4" x 6'-8" x 1 3/8"	6 PANEL
7	2'-0" x 6'-8" x 1 3/8"	6 PANEL

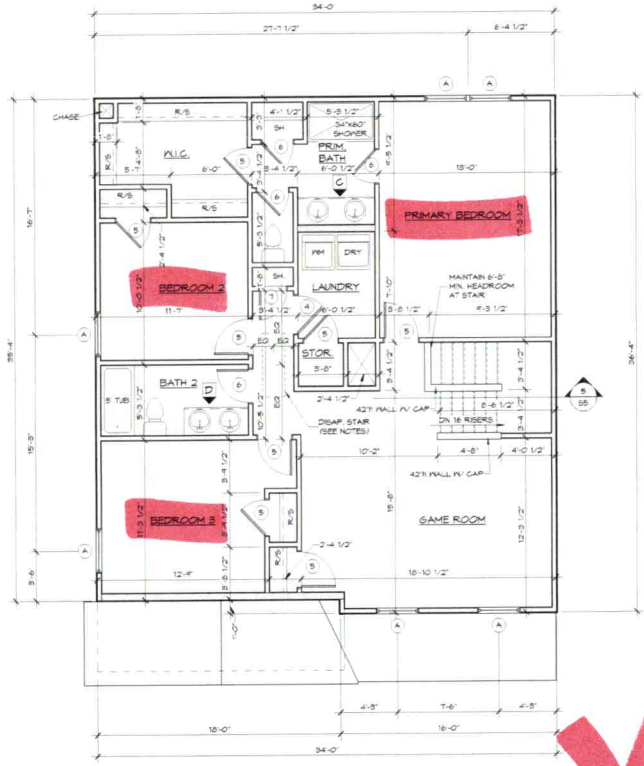
WINDOW SCHEDULE		
TYPE	WINDOW SIZE	DESCRIPTION
A	3'-0" x 5'-0"	SINGLE-HUNG

WINDOW NOTES:
- SEE PLAN FOR TEMPERED LOCATIONS.
- ENSURE W/ MANUFACTURER THAT EGRESS WINDOWS IN BEDROOMS MEET EGRESS REQUIREMENTS PER BUILDING CODE.
- PROVIDE FALL PROTECTION ON WINDOWS WHERE THE SILL IS LESS THAN 24" ABOVE THE FLOOR AND GREATER THAN 72" ABOVE GRADE.
- SWING DIRECTIONS AT ELEVATIONS FOR CASEMENT AND AWNING STYLE WINDOWS ARE FOR REPRESENTATION ONLY. BUILDER TO CONFIRM DESIRED SWING DIRECTIONS WITH WINDOW MANUFACTURER.

Catawba



1 FIRST FLOOR PLAN 1/4" = 1'-0"



2 SECOND FLOOR PLAN 1/4" = 1'-0"

GENERAL PLAN NOTES:
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2018 NORTH CAROLINA RESIDENTIAL CODE AND LOCAL BUILDING CODES.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS. DO NOT SCALE DIMENSIONS FROM PROJECT DRAWINGS. PLANS AND DETAILS MAY NOT ALWAYS PRINT TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
3. GRADE ELEVATIONS MAY VARY DUE TO TYPE OF FOUNDATION AND OTHER ON SITE CONSIDERATIONS.
4. PROVIDE ATTIC ACCESS W/ WEATHERSTRIPPING, INSULATION, AND FIRE RETARDANT TREATED STRUCTURAL PANEL (IF REQUIRED) PER R807 & LOCAL BUILDING CODE.
5. MECHANICAL EQUIPMENT AND WATER HEATER TO BE LOCATED ON SITE UNLESS SHOWN ON PLANS.
6. DOWNSPOUT SIZE AND LOCATIONS TO BE DETERMINED ON SITE BY GUTTER CONTRACTOR.
7. FRAMING HEIGHTS:
   A. FLOOR TO TOP PLATE FIRST FLOOR = 9'-1 1/2"
   B. FLOOR TO TOP PLATE SECOND FLOOR = 8'-1 1/2"
   C. FLOOR TO WINDOW HEAD FIRST FLOOR = 7'-0"
   D. FLOOR TO WINDOW HEAD SECOND FLOOR = 7'-0"

DIMENSION NOTES:
1. ALL EXTERIOR DIMENSIONS ARE TO MASONRY OR EXTERIOR FACE OF STUD.
2. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD.
3. ALL ANGLES SHOWN ON PLAN ARE 45° U.N.O.

STUD WALL NOTES:
- ALL STUD WALLS ARE TO BE FRAMED WITH 2x4 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.
- STUDS AT 2x6 WALLS ARE TO BE FRAMED AT 16" O.C. UNLESS NOTED OTHERWISE.

= 2x4 STUD WALL
= 2x6 STUD WALL

LIST OF ABBREVIATIONS:
ABV - ABOVE
AFF - ABOVE FINISHED FLOOR
AO - ARCHED OPENING
CJ - CEILING JOIST(S)
CO - CASED OPENING
CWHB - COLD WATER HOSE BIBB
DIA. - DIAMETER
DIAG. - DIAGONAL
DISP. - DISPOSAL
DJ - DOUBLE JOIST
DRY - DRYER
EA - EACH WAY
EWP - ENGINEERED WOOD PRODUCTS
FJ - FLOOR JOIST(S)
HGT - HIP GIRDER TRUSS
HWHB - HOT WATER HOSE BIBB
NTS - NOT TO SCALE
OC - ON CENTER
OH - OVERHANG
PT - PRESSURE TREATED
REFR - REFRIGERATOR
RGT - ROOF GIRDER TRUSS
R/S - ROD/SHELF
SH - SHELVES
SRO - SHEETROCK OPENING
TBD - TO BE DETERMINED
T.O. - TOP OF
UC - UNDER COUNTER
UNO - UNLESS NOTED OTHERWISE
WC - WATER CLOSET
WM - WASHING MACHINE

0' 2' 4' 8' SCALE 1/4" = 1'-0"

Garage Left

Catawba

Plan Date: 2/1/2023
Rev. Date: 11/17/2023
Drawn By: DG

THD Tino Home Design, LLC
Residential Design and Drafting Services

Sheet Number A1

11/17/2023 8:09:53 AM