ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # BLDR-2023-17677 Relay-2023-37778

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

PIN # 4708 -- 07 -- 7314

APPLICANT/OWNER: Mike Funk APPLICANT ADDRESS: 1345 Lambert Lane, Hiddenite, NC 28636

SITE ADDRESS: 1345 Lambert Dr, Hiddenite, NC 28636 PHONE: (704) 957-9185 ALT. PHONE

SITE DIRECTIONS: Harris Bridge, Barton Farm, Huckelberry SAP CONTROLLED: ☐ YES ☑ NO

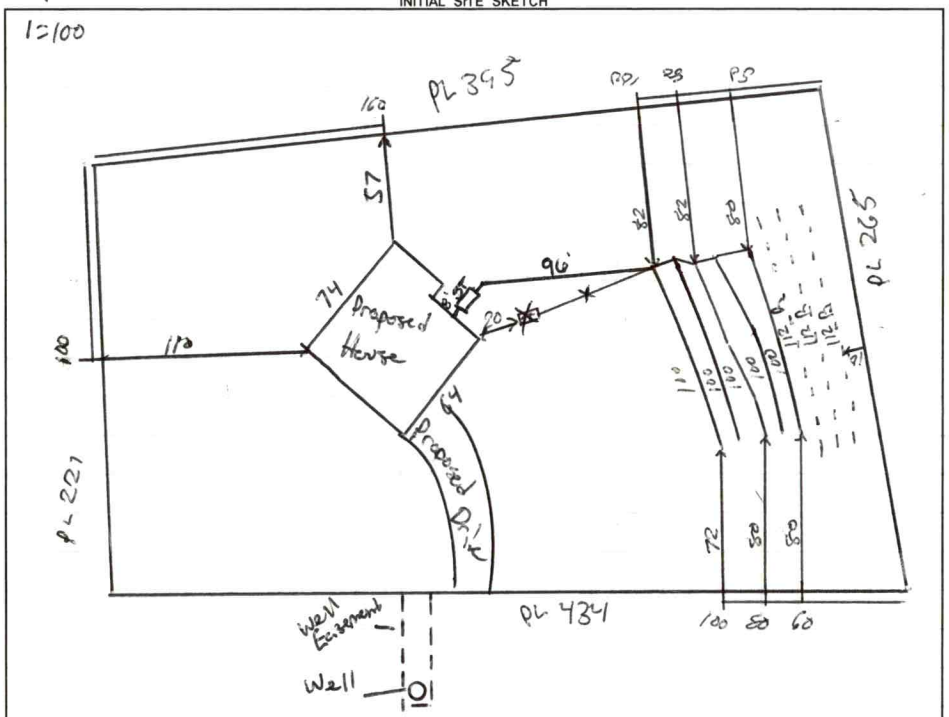
SUBDIVISION: Baxter & Millsaps JR Estates SECTION: - LOT # 13 LOT AREA: 2.3Ac DESIGN FLOW: 600 L.T.A.R.: .3

Septic Tank	1500 (gal)	STB	190	Date	9/27/2023	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 5
Pump Tank	(gal)	PT		Date		System Description:	25% Gravity - End Cap / Drop Box	☐ Business	No. Persons 10
Pump Make		Model		Serial #		Repair System Description:	50% Reduction - Horizontal	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	5	Linear Ft	500	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☐ Crawl Space
Trench Width	36in	Trench Bottom Depth(Low side)	24in	Gravel Depth	N/A	☑ GRAVITY	☐ PRESSURE	☑ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☑ Private Ext well ☐ Public ☐ Community

Comments / Conditions: Install on contour with 4ft centers. Stay 100 ft off well. Do not drive, park or construct on septic area. Five Bedroom system must be installed.

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.

Installed as drawn.
see modified tank / supply line locations.

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: Online Signature Date: Installed by: Ryan Byers

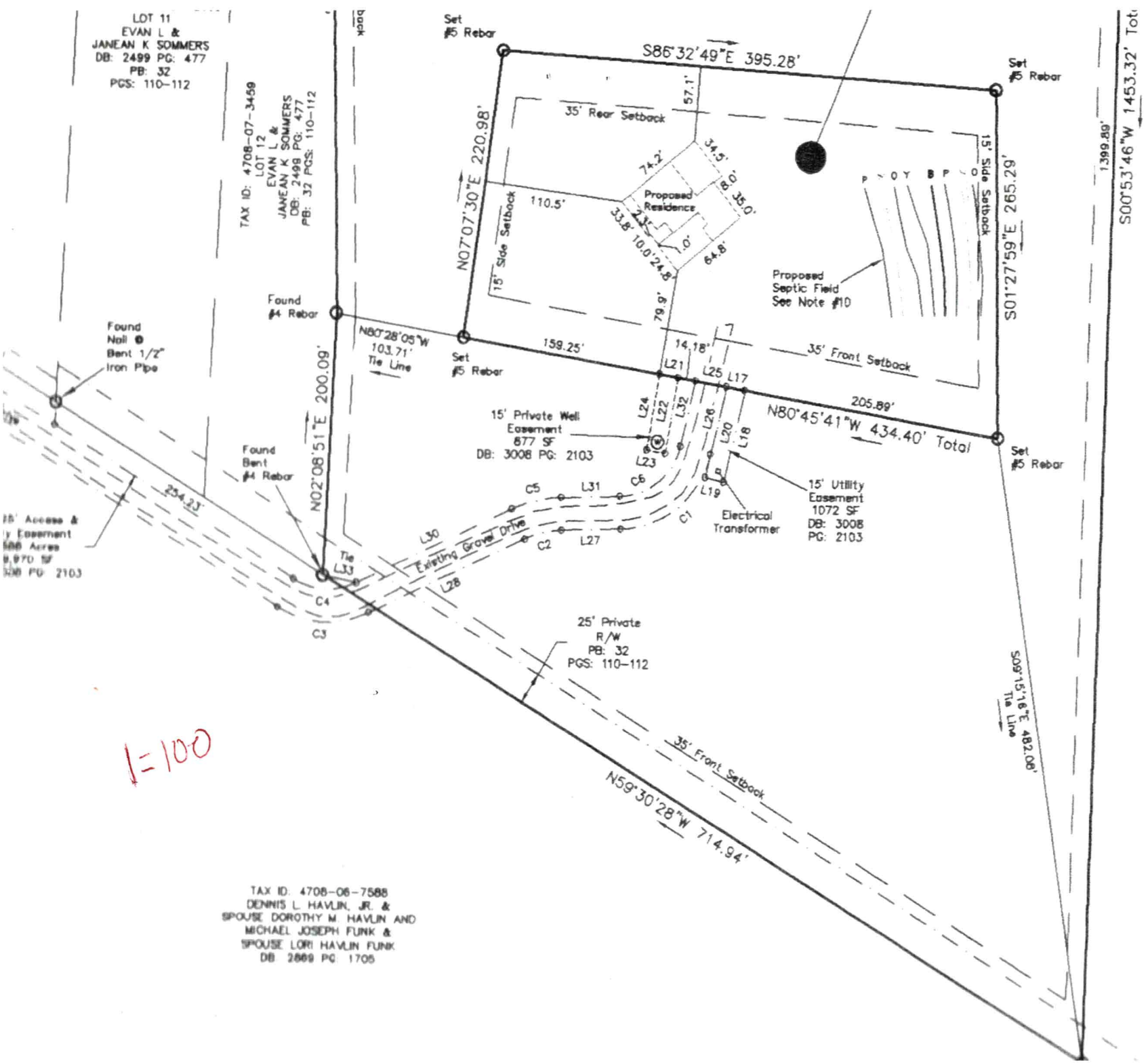
IMPROVEMENT PERMIT by: Matt Wi Date: 9/24/23 OPERATION PERMIT by: Sarah Williams Date: 11/8/2023

AUTHORIZATION TO CONSTRUCT by: Matt Wi Date: 9/29/23 Existing System Inspected by: Date:

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

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? _____	


LOT 11
EVAN L &
JANEAN K SOMMERS
DB: 2499 PG: 477
PB: 32
PGS: 110-112
TAX ID: 4708-07-3459
LOT 12
EVAN L &
JANEAN K SOMMERS
DB: 2498 PG: 477
PB: 32 PGS: 110-112
Set
#5 Rebar
S86°32'49"E 395.28'
Set
#5 Rebar
35' Rear Setback
57.1'
N07°07'30"E 220.98'
74.2'
34.5'
8.0'
35.0'
110.5'
15' Side Setback
Proposed
Residence
33.8'
10.0'
24.8'
1.0'
64.8'
79.9'
15' Side Setback
Proposed
Septic Field
See Note #10
S01°27'59"E 265.29'
S00°53'46"W 1453.32' Tot
1399.89'
Found
#4 Rebar
N80°28'05"W
103.71'
Tie Line
Set
#5 Rebar
159.25'
14.18'
35' Front Setback
Found
Nail &
Bent 1/2"
Iron Pipe
N02°08'51"E 200.09'
L21
L25
L17
205.89'
N80°45'41"W 434.40' Total
Set
#5 Rebar
15' Private Well
Easement
877 SF
DB: 3008 PG: 2103
L24
L22
L32
L26
L20
L18
L23
L19
15' Utility
Easement
1072 SF
DB: 3008
PG: 2103
Electrical
Transformer
Found
Bent
#4 Rebar
254.23'
C5
L31
C6
C1
L30
Existing Gravel Drive
C2
L27
Tie
L33
L28
C4
C3
25' Private
R/W
PB: 32
PGS: 110-112
S09°15'15"E 482.00'
Tie Line
35' Front Setback
N59°30'28"W 714.94'
TAX ID: 4708-06-7588
DENNIS L. HAVLIN, JR. &
SPOUSE DOROTHY M. HAVLIN AND
MICHAEL JOSEPH FUNK &
SPOUSE LORI HAVLIN FUNK
DB: 2869 PG: 1705

I=100

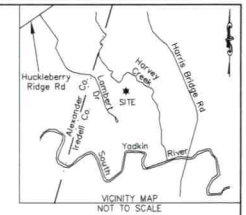
I, JIMMY N. FARRES, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AND/OR MAP BOOK SEE, PAGE NOTE #2, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK N/A, PAGE N/A; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS _____ DAY OF _____, 2023.

PRELIMINARY

JIMMY N. FARRES, PLS
LICENSE NUMBER: L-4311

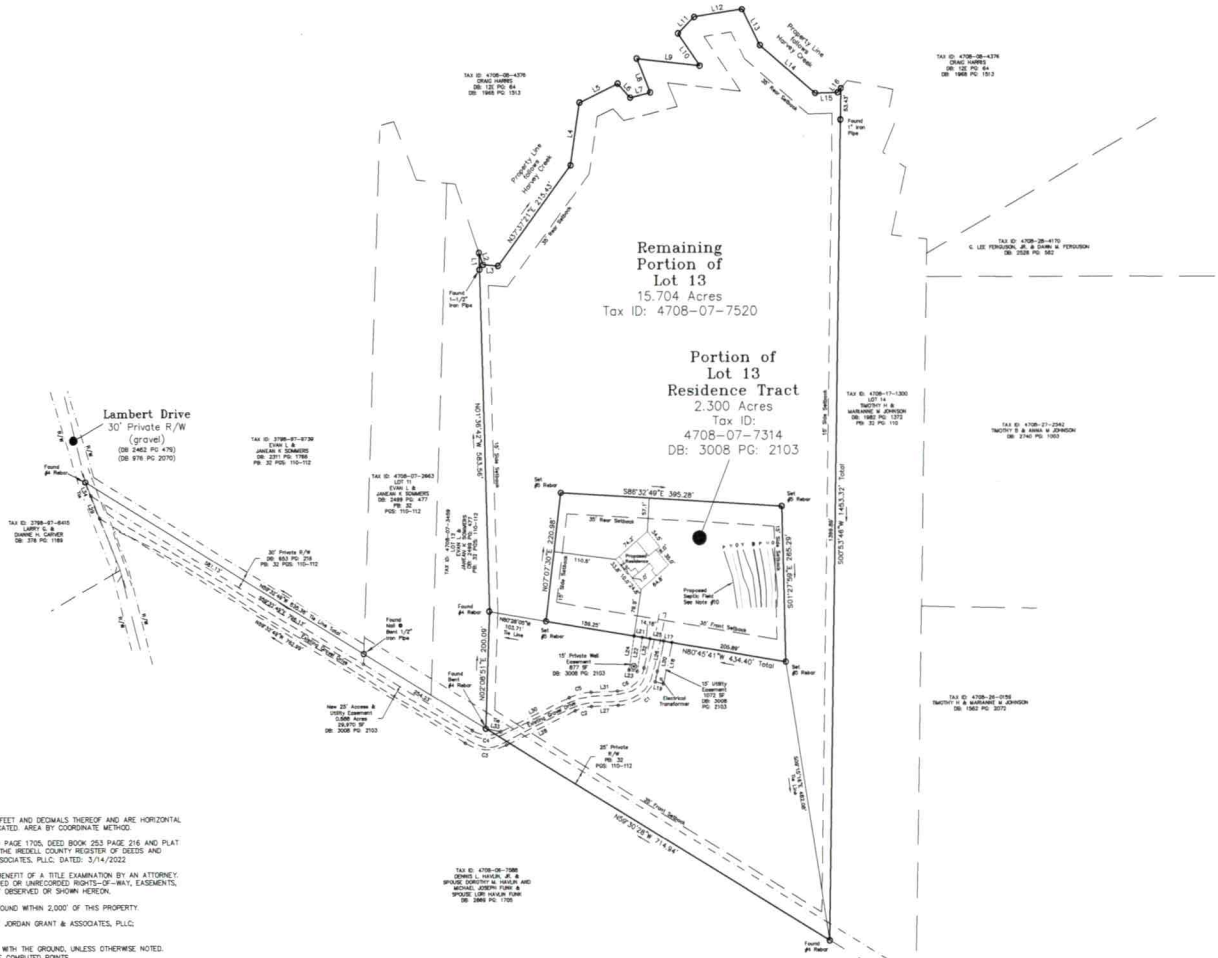
PRELIMINARY PLAN NOT FOR RECORDATION CONVEYANCES AND/OR SALES

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



VICINITY MAP
NOT TO SCALE





LINE TABLE		
LINE	BEARING	DISTANCE
L1	N01°36'42"W	28.80'
L2	S19°36'27"E	21.62'
L3	S85°37'27"E	27.26'
L4	N08°21'33"E	108.26'
L5	N64°49'24"E	75.40'
L6	S42°50'19"E	32.91'
L7	N75°56'26"E	37.11'
L8	N22°59'10"W	62.78'
L9	S83°39'38"E	113.69'
L10	N35°00'35"W	67.18'
L11	N46°13'00"E	40.36'
L12	N81°12'29"E	85.80'
L13	S27°33'33"E	69.04'
L14	S50°09'26"E	128.22'
L15	N88°31'47"E	40.13'
L16	N39°32'27"E	9.16'
L17	S80°45'41"E	15.03'

LINE TABLE		
LINE	BEARING	DISTANCE
L18	S12°50'41"W	71.94'
L19	N77°09'19"W	15.00'
L20	N12°50'41"E	70.99'
L21	S80°45'41"E	15.00'
L22	S09°14'19"W	58.50'
L23	N80°45'41"W	15.00'
L24	N09°14'19"E	58.50'
L25	S80°45'41"E	25.05'
L26	S12°50'41"W	52.83'
L27	S87°59'44"W	47.45'
L28	S64°32'48"W	136.99'
L29	N22°31'01"W	41.51'
L30	N64°32'48"E	136.99'
L31	N87°59'44"E	47.45'
L32	N12°50'41"E	51.25'
L33	S78°26'08"E	27.51'
L34	S22°31'01"E	24.91'

CURVE TABLE				
CURVE	RADIUS	ARC	BEARING	CHORD
C1	75.00'	98.37'	S 50°25'13" W	91.47'
C2	75.00'	30.26'	S 76°26'16" W	30.05'
C3	80.00'	77.58'	N 87°20'01" W	74.58'
C4	55.00'	53.35'	S 87°20'01" E	51.28'
C5	100.00'	40.34'	N 76°26'16" E	40.07'
C6	50.00'	65.58'	N 50°25'13" E	60.98'

SURVEYOR NOTES

1. ALL DIMENSIONS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE METHOD.
2. THIS SURVEY IS BASED ON DEED BOOK 2869 PAGE 1705, DEED BOOK 253 PAGE 216 AND PLAT BOOK 32 PAGES 110-112 AS RECORDED AT THE IREDELL COUNTY REGISTER OF DEEDS AND PHYSICAL SURVEY BY: JORDAN GRANT & ASSOCIATES, PLLC. DATED: 3/14/2022
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION BY AN ATTORNEY. THE PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS OR CONDITIONS NOT OBSERVED OR SHOWN HEREON.
4. NO NCGS OR USGS MONUMENTS COULD BE FOUND WITHIN 2,000' OF THIS PROPERTY.
5. BASIS OF BEARINGS: PHYSICAL SURVEY BY: JORDAN GRANT & ASSOCIATES, PLLC; DATED: 3/14/2022
6. ALL CORNERS "FOUND" or "SET" ARE FLUSH WITH THE GROUND, UNLESS OTHERWISE NOTED. POINTS NOT LABELED "FOUND" OR "SET" ARE COMPUTED POINTS.
7. THE LOCATION OF UTILITIES AS SHOWN HEREON, WHETHER PUBLIC OR PRIVATE, ARE BASED ON THE LOCATION OF VISIBLE ABOVE GROUND APPURTENANCES ONLY. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HERON MAY EXIST. IT IS THE OWNERS/TENANTS RESPONSIBILITY TO VERIFY THE LOCATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. GEOMATIC CONCEPTS, PLLC CANNOT ASSUME RESPONSIBILITY FOR MISIDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES.
8. THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
9. THIS PROPERTY LIES IN FLOOD ZONE "X" AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL 3710470800J, WITH AN EFFECTIVE DATE OF 12/18/2007 AND 3710378800K, WITH AN EFFECTIVE DATE OF 3/18/2008.
10. PROPOSED SEPTIC DRAIN FIELD MARKED BY MICHAEL ATHANAS & ASSOCIATES (704-576-3887).

LEGEND

(W) = Private Well
R/W = Right-of-Way
P = Pink Flagged Proposed Septic Line
W = White Flagged Proposed Septic Line
O = Orange Flagged Proposed Septic Line
Y = Yellow Flagged Proposed Septic Line
B = Blue Flagged Proposed Septic Line

GRAPHIC SCALE

100 0 50 100
(IN FEET)
1 inch = 100 feet

PLOT PLAN
LOT 13
DENNIS L. MILLSAPS, JR. ESTATE
PLAT BOOK: 32 PAGES: 110-112

1345 LAMBERT DRIVE, HIDDENITE, NC 28636
SHARPESBURG TOWNSHIP, IREDELL COUNTY, NC

Prepared For (Owners):
DENNIS L HAVLIN JR., DOROTHY M. HAVLIN,
MICHAEL JOSEPH FUNK & LORI HAVLIN FUNK
143 DEN LON LANE
TROUTMAN, NC 28166

GEOMATIC CONCEPTS, PLLC
NC LICENSE #: P-1031
470 NORTH BROAD STREET, SUITE A, MOORESVILLE, NC 28115
PHONE: 704-664-1994 EMAIL: JIMMY.FARRES@GEOMATICCONCEPTS.COM

Drawn By: JNF	Checked By: JNF	Scale: 1" = 100'	Project No.: 21073
Tax Parcel: 4708-07-7314			
Date: September 28, 2023			Sheet No.: 1 of 1
File: 21073-Lambert-Drive-Iredell-Funk-Divide-w-Septic.dwg			

GENERAL PLAN NOTES

1. DRAWINGS ARE NOT TO BE SCALED! DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
2. ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
4. ALL INTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS, UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR WALLS ARE ASSUMED TO BE 5-1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING) UNLESS NOTED OTHERWISE.
6. ALL DOORS TO BE CENTERED UNLESS NOTED OTHERWISE
7. PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
8. ALL CABINETRY TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES OF REQUIRED.
9. ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECT/OC.
10. NUMBER OF EXTERIOR RISERS TO BE FIELD VERIFIED AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HANDRAIL WILL ALSO BE REQUIRED.
11. PROVIDE TERMITE CHEMICAL AT FOUNDATION, AS REQUIRED.
12. MINIMUM 22-1/2" (w) x 34-1/2"(l) ATTIC ACCESS DOOR w/ PULL DOWN LADDER TO BE DETERMINED ON SITE.
13. HVAC RETURN(S) TO BE DETERMINED OF SITE.
14. ALL COUNTERTOPS TO BE 36" A.F.F., UNLESS NOTED OTHERWISE.
15. ALL DOOR HEIGHTS ARE SHOWN ON PLANS.

FRAMING CONSTRUCTION-OTHER THAN ROOF

1. STEEL BEAMS MUST HAVE EQUAL STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
2. MICRO-LAM BEAMS MUST HAVE DBL(2) STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
3. ALL BRICK OVER LOWER ROOFS MUST HAVE ANGLE WITH STOPS AND SCREWS TO STUDS ABOVE AND ACCORDANCE WITH DETAIL.
4. ALL WOOD I-JOISTS AND OPEN WEB JOISTS MUST BE BRACED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN ON PLANS.
5. ALL RAFTER BRACES MUST HAVE 2 STUDS FROM PLATE TO FOUNDATION OR BEAM BELOW THEM AT ALL FLOORS, NO BRACES OF CEILING PLATE WITHOUT STUDS DIRECTLY UNDER THEM.
6. WHERE PARTITIONS FALL BETWEEN FLOOR TRUSSES, 2"x4" LADDERS @ 16"oc MUST BE PLACED PERPENDICULAR TO THE TRUSSES TO SUPPORT THE PLYWOOD DECKING.
7. ON ALL OPEN WEB FLOOR TRUSSES OVER A 10' SPAN A MIN. SINGLE LINE OF 2"x4" SHALL BE NAILED TO DIAGONAL MEMBERS OR VERTICAL MEMBERS IN THE APPROXIMATE MID-SPAN AS A LOAD DISTRIBUTION MEMBER.
8. WHERE CEILING JOISTS ARE PARALLEL TO EXTERIOR WALLS AND RAFTERS BEAR ON STUD WALL TOP PLATE ADJACENT TO CEILING JOISTS, BRACE RAFTERS AND TOP PLATE TO 2x6 HOOD 6'-0" LONG (MIN.) ON 6' CENTERS ALONG LENGTH OF CEILING JOISTS.
9. ALL 2-STORY OPEN, GREAT ROOMS, LIVING ROOMS, WITH 2 OR MORE ADJACENT OPENINGS OF 5' OR LESS MUST USE A 3-1/2"x3-1/2"x1/2" STEEL ANGLE VERTICALLY FROM FLOOR TO TOP PLATE LAGGED TO KING STUDS WITH (3) 6 1/2" LAGS @ 24"oc VERTICALLY AND LAGGED TO FLOOR AND TOP PLATE WITH (1) 3/16"x3" LAG THROUGH A 1/4" PLATE AT THE TOP AND BOTTOM. MULTIPLE OPENINGS WITH 5' OR LESS SPACE BETWEEN ROUGH OPENINGS SHALL HAVE AT LEAST (1) STEEL ANGLE VERTICALLY IN EACH MULLION SPACE. THE SHEATHING ON THIS STEEL REINFORCED PARTITION SHALL BE 1/2" PLYWOOD, NO OTHER SHEATHING SHALL BE PERMITTED.

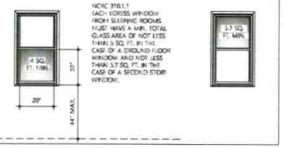
STAIRWAYS

1. TREADS SHALL BE 9" WIDE PLUS A 1" NOSING
2. RISERS SHALL BE FIELD VERIFIED (MUST BE EXCEED 8-1/4")
3. STAIR SHALL BE 36" WIDE CLEAR MINIMUM AND SHALL HAVE A HANDRAIL AT A HEIGHT ABOVE THE NOSING OF 36".

EGRESS WINDOW REQUIREMENTS

NCRC 2012 310.1
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EXTERIOR WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. THE UNITS MUST BE OPERABLE FROM THE INSIDE TO A FULL CLEAR OPENING WITHOUT THE USE OF A KEY OR TOOL. WHERE WINDOWS ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE, THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR.

NCRC 310.1.1
THE MIN. NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN. NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20". THE NET CLEAR OPENING AREA SHALL NOT BE LESS THAN 5 SQ. FT.



NCRC 310.1.1
EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A MIN. TOTAL GLASS AREA OF NOT LESS THAN 5 SQ. FT. IN THE CASE OF A GROUND FLOOR WINDOW AND NOT LESS THAN 3.7 SQ. FT. IN THE CASE OF A SECOND STORY WINDOW.

TYP. HANGERS FOR JOIST & BEAMS

NOTE: ALL HANGERS BY SIMPSON STRONG TIE CO., INC.
OR MAS-A-MAT EQUIVALENTS ACCEPTABLE

MEMBERS	HANGER
2x6	LUS26
2x10	LUS210
2x12	LUS210
(2) 2x6	HUS26-2
(2) 2x10	HUS210-2
(2) 2x12	HUS212-2
(3) 2x6	LUS26-3
(3) 2x10	LUS210-3
(3) 2x12	HUS210-3 MIN.
(2) 1-3/4"x9-1/4" LVL	HGLS410
(2) 1-3/4"x9-1/2" LVL	HGLS410
(2) 1-3/4"x11-1/4" LVL	HGLS412
(2) 1-3/4"x11-7/8" LVL	HGLS412
(2) 1-3/4"x14" LVL	HGLS414
(2) 1-3/4"x16" LVL	HGLS414
(2) 1-3/4"x18" LVL	HGLS414
(3) 1-3/4"x9-1/4" LVL	HGLS3.50/10
(3) 1-3/4"x9-1/2" LVL	HGLS3.50/10
(3) 1-3/4"x11-1/4" LVL	HGLS3.50/12
(3) 1-3/4"x11-7/8" LVL	HGLS3.50/12
(3) 1-3/4" LVL	HGLS3.50/14
(3) 1-3/4"x16" LVL	HGLS3.50/14
(3) 1-3/4"x18" LVL	HGLS3.50/14
(4) 1-3/4"x9-1/4" LVL	HGLS7.25/10
(4) 1-3/4"x9-1/2" LVL	HGLS7.25/10
(4) 1-3/4"x11-1/4" LVL	HGLS7.25/12
(4) 1-3/4"x11-7/8" LVL	HGLS7.25/12
(4) 1-3/4"x14" LVL	HGLS7.25/14
(4) 1-3/4"x16" LVL	HGLS7.25/14
(4) 1-3/4"x18" LVL	HGLS7.25/14

HEADER SIZE REQUIREMENTS U.N.O.

3.5" DOUBLE HEADER w/ 1/2" SHEATHING MIN.

EXTERIOR AND INTERIOR BEARING WALLS, SPF #2 GRADE or BETTER

ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
< 3'-6"	(2) 2x8's	1/1
< 5'-0"	(2) 2x10's	1/1
3'-1" thru 5'-0"	(2) 2x12's	2/1
5'-1" thru 6'-0"	(2) 2x14's	3/2
6'-1" thru 8'-0"	(2) 2x13's	3/1
8'-1" <	SEE PLAN	SEE PLAN

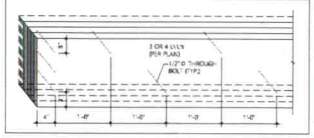
INTERIOR NON- BEARING WALLS, SPF #2 GRADE or BETTER

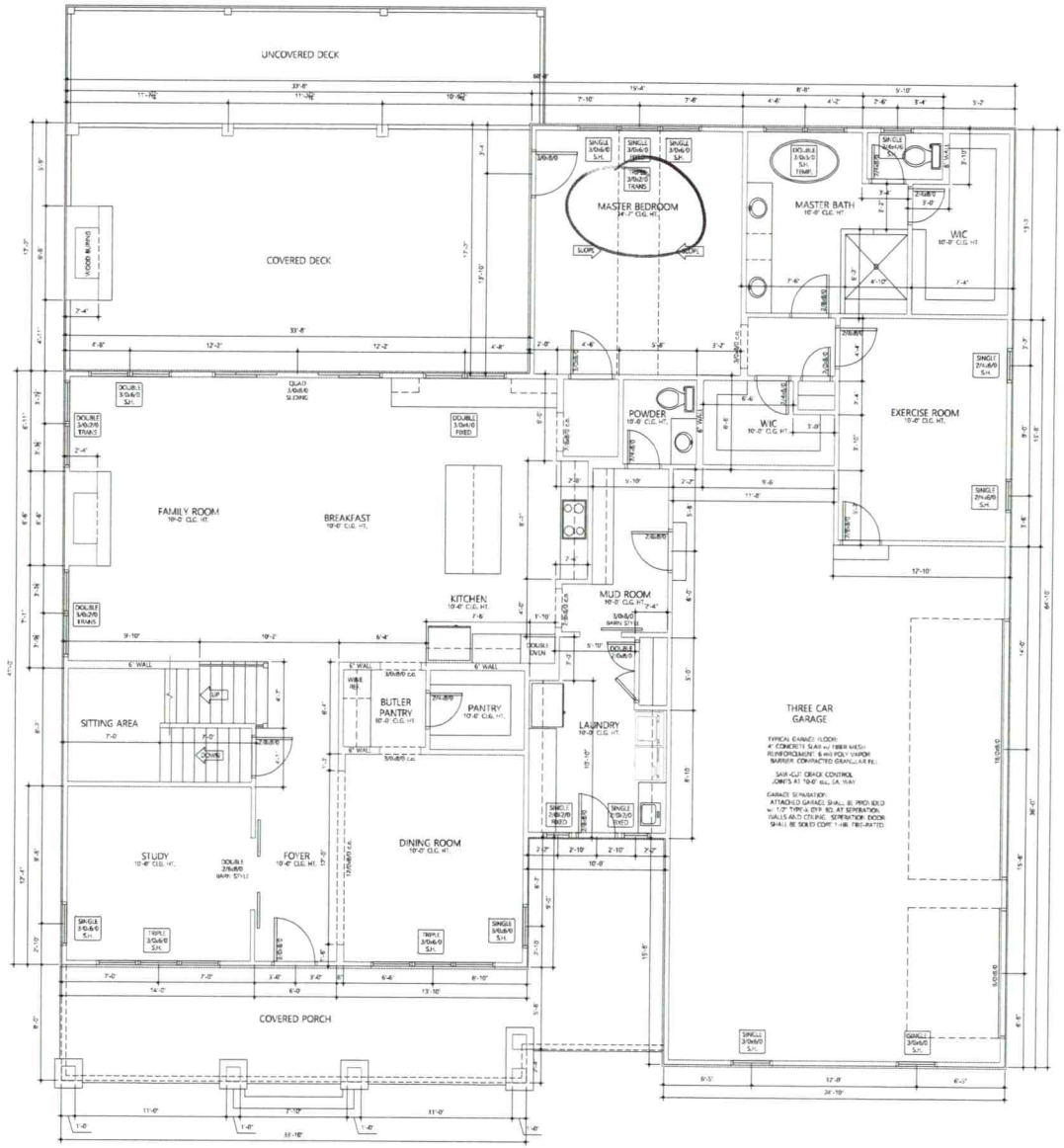
ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
< 3'-6"	(2) 2x6's	1/1
3'-7" thru 5'-6"	(2) 2x8's	2/1
5'-7" thru 6'-6"	(2) 2x10's	2/1
6'-7" thru 8'-0"	(2) 2x10's	3/2
8'-1" <	SEE PLAN	SEE PLAN

WALL STUD REQUIREMENTS

EXTERIOR WALL HEIGHT	STUD SIZE AND SPACING
H < 10'-0"	2x4 @ 16" o.c.
10'-0" < H < 11'-0"	2x4 @ 12" o.c.
10'-0" < H < 11'-0"	2x6 @ 16" o.c.
H > 11'-0"	CONSULT ENGINEER

LVL BOLTING PATTERN DETAIL





101 B1.0 MAIN LEVEL PLAN 1/4" = 1'-0"

MAIN LEVEL	
HEATED SQUARE FOOT	2,544 SQ. FT.
COVERED REAR PORCH	358 SQ. FT.
COVERED FRONT PORCH	126 SQ. FT.
GARAGE	N/A SQ. FT.
LOWER LEVEL	
HEATED SQUARE FOOT	1,950 SQ. FT.
UNHEATED SQUARE FOOT	220 SQ. FT.
COVERED REAR PATIO	158 SQ. FT.
UPPER LEVEL	
HEATED SQUARE FOOT	709 SQ. FT.
TOTAL	
HEATED SQUARE FOOT	5,203 SQ. FT.
UNHEATED SQUARE FOOT	2,121 SQ. FT.

SHANE BEAL DRAFTING
1801 PORCH ROAD
LINCOLNTON, NC 28092
(980) 429-4000
SBEALDRAFT@YAHOO.COM

B1.0

MAIN LEVEL PLAN AND NOTES

A NEW RESIDENCE FOR:
MIKE FUNK

PROJECT ADDRESS:
XXX
XXX

B1.0

ALL THE SHEETS AND DRAWINGS AND PATTERNS SHOWN THEREON (AND THE ARCHITECTURAL WORKS DEPICTED THEREIN) ARE AND SHALL REMAIN THE EXCLUSIVE PROPERTY OF SHANE BEAL DRAFTING AND MAY NOT BE USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF SHANE BEAL DRAFTING. THESE PLANS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF SHANE BEAL DRAFTING. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY THE OWNER OR BY ANY THIRD PARTY, THE OWNER AND SUCH THIRD PARTY AGREE TO INDEMNIFY AND HOLD HARMLESS SHANE BEAL DRAFTING AND ITS OFFICERS AND EMPLOYEES FROM ANY AND ALL LIABILITY, DAMAGES, LOSSES, AND JUDGMENTS, INCLUDING ATTORNEY FEES AND COURT COSTS, ARISING DIRECTLY OR INDIRECTLY OUT OF SUCH UNAUTHORIZED REUSE. THE OWNER AND SUCH THIRD PARTY FURTHER AGREE TO DEFEND, AT THEIR OWN EXPENSE, ANY AND ALL CLAIMS, SUITS, OR ACTIONS BROUGHT AGAINST SHANE BEAL DRAFTING OR ITS OFFICERS AND EMPLOYEES AS A RESULT OF ANY SUCH UNAUTHORIZED REUSE. THE OWNER AND SUCH THIRD PARTY FURTHER AGREE TO PAY ANY AND ALL JUDGMENTS OR SETTLEMENTS THAT MAY BE ENTERED AGAINST OR AGREED TO BY SHANE BEAL DRAFTING OR ITS OFFICERS AND EMPLOYEES AS A RESULT OF ANY SUCH UNAUTHORIZED REUSE.

GENERAL PLAN NOTES

1. DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
2. ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
4. ALL INTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS, UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING) UNLESS NOTED OTHERWISE.
6. ALL DOORS TO BE CENTERED, UNLESS NOTED OTHERWISE
7. PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
8. ALL CABINETRY TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED)
9. ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECT/OC.
10. NUMBER OF EXTERIOR RISERS TO BE FIELD VERIFIED AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HANDRAIL WILL ALSO BE REQUIRED.
11. PROVIDE TERMITE CHEMICAL AT FOUNDATION, AS REQUIRED.
12. MINIMUM 22-1/2" (w) x 54-1/2"(l) ATTIC ACCESS DOOR w/ PULL-DOWN LADDER TO BE DETERMINED ON SITE.
13. HVAC RETURN(S) TO BE DETERMINED BY SITE.
14. ALL COUNTERTOPS TO BE 36" A.F.F., UNLESS NOTED OTHERWISE.
15. ALL DOOR HEIGHTS ARE SHOWN ON PLANS.

FRAMING CONSTRUCTION-OTHER THAN ROOF

1. STEEL BEAMS MUST HAVE DBL#4 STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
2. MICRO-LAM BEAMS MUST HAVE DBL#3 STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
3. ALL BRICK OVER LOWER ROOFS MUST HAVE ANGLE WITH STOPS (AC SERVICES TO STUDS ABOVE) AND ACCORDANCE WITH DETAIL.
4. ALL WOOD I-JOISTS AND OPEN JOISTS MUST BE BRACED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN, OR PLANS.
5. ALL RAFTER BRACES MUST HAVE 2 STUDS FROM PLATE TO FOUNDATION OR BEAM BELOW THEM AT ALL FLOORS. NO SPACES OF CEILING PLATE WITHOUT STUDS DIRECTLY UNDER THEM.
6. WHERE PARTITIONS FALL BETWEEN FLOOR TRUSSES, 2"x4" LADDERS @ 16"o.c. MUST BE PLACED PERPENDICULAR TO THE TRUSSES TO SUPPORT THE PLYWOOD DECKING.
7. ON ALL OPEN WEB FLOOR TRUSSES OVER A 16' SPAN, A MIN. SINGLE LINE OF 2"x4" SHALL BE NAILED TO DIAGONAL MEMBERS OR VERTICAL MEMBERS IN THE APPROXIMATE MID-SPAN AS A LOAD DISTRIBUTION MEMBER.
8. WHERE CEILING JOISTS ARE PARALLEL TO EXTERIOR WALLS AND RAFTERS BEAR ON STUD WALL TOP PLATE ADJACENT TO CEILING JOISTS, BRACE RAFTERS AND TOP PLATE TO 2x6 HOOS @ LONG (MIN.) ON 8' CENTERS ALONG LENGTH OF CEILING JOISTS.
9. ALL 2-STORY OPEN, GREAT ROOMS, LIVING ROOMS WITH 2 OR MORE ADJACENT OPENINGS OF 2' OR LESS MUST USE A 3-1/2"x3-1/2"x1/2" STEEL ANGLE (VERTICALLY) FROM FLOOR TO TOP PLATE LAGGED TO KING STUDS WITH (5) 6"x8" LAGS @ 24"o.c. VERTICALLY AND LAGGED TO FLOOR AND TOP PLATE WITH (5) 5/16"x8" LAG THROUGH A 1/4" PLATE AT THE TOP AND BOTTOM. MULTIPLE OPENINGS WITH 3' OR LESS SPACE BETWEEN ROUGH OPENINGS SHALL HAVE AT LEAST (1) STEEL ANGLE VERTICALLY IN EACH MULLION SPACE. THE SHEATHING ON THIS STEEL REINFORCED PARTITION SHALL BE 1/2" PLYWOOD. NO OTHER SHEATHING SHALL BE PERMITTED.

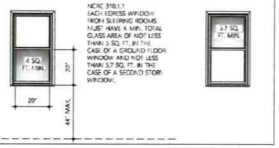
STAIRWAYS

1. TREADS SHALL BE 9" WIDE PLUS A 1" NOSING
2. RISERS SHALL BE FIELD VERIFIED (NOT TO EXCEED 8-1/4")
3. STAIR SHALL BE 36" WIDE CLEAR MINIMUM AND SHALL HAVE A HANDRAIL AT A HEIGHT ABOVE THE NOSING OF 36".

EGRESS WINDOW REQUIREMENTS

NCRC 2012 310.1
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EXTERIOR WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. THE UNITS MUST BE OPERABLE FROM THE INSIDE TO A FULL CLEAR OPENING WITHOUT THE USE OF A KEY OR TOOL. WHERE WINDOWS ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE, THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR.

NCRC 310.1.1
THE MIN. NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN. NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20". THE NET CLEAR OPENING AREA SHALL NOT BE LESS THAN 5 SQ. FT.



NCRC 310.1.1
EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A MIN. TOTAL CLASS AREA OF NOT LESS THAN 3.5 SQ. FT. (IN THE CASE OF A GROUND FLOOR WINDOW) AND NOT LESS THAN 3.7 SQ. FT. IN THE CASE OF A SECOND STORY WINDOW.

TYP. HANGERS FOR JOIST & BEAMS

NOTE: ALL HANGERS BY SIMPSON STRONG TIE CO., INC.
(BRAND-NAME EQUIVALENTS ACCEPTABLE)

MEMBERS	HANGER
2x8	LUS26
2x10	LUS210
2x12	LUS210
(2) 2x8	HUS26-2
(2) 2x10	HUS210-2
(2) 2x12	HUS212-2
(3) 2x8	LUS26-3
(3) 2x10	LUS210-3
(3) 2x12	HUS12-3 MIN.
(1) 1-3/4"x9-1/4" LVL	HGLS410
(2) 1-3/4"x9-1/2" LVL	HGLS410
(2) 1-3/4"x11-7/4" LVL	HGLS412
(3) 1-3/4"x11-7/8" LVL	HGLS412
(1) 1-3/4"x14" LVL	HGLS414
(2) 1-3/4"x16" LVL	HGLS414
(2) 1-3/4"x18" LVL	HGLS414
(3) 1-3/4"x9-1/4" LVL	HGLS430/10
(3) 1-3/4"x9-1/2" LVL	HGLS430/10
(3) 1-3/4"x11-7/4" LVL	HGLS430/12
(3) 1-3/4"x11-7/8" LVL	HGLS430/12
(4) 1-3/4"x9-1/4" LVL	HGLS430/13
(4) 1-3/4"x9-1/2" LVL	HGLS430/14
(4) 1-3/4"x11-7/4" LVL	HGLS430/14
(4) 1-3/4"x11-7/8" LVL	HGLS430/14
(4) 1-3/4"x16" LVL	HGLS430/14
(4) 1-3/4"x18" LVL	HGLS430/14
(5) 1-3/4"x9-1/4" LVL	HGLS725/10
(5) 1-3/4"x9-1/2" LVL	HGLS725/10
(5) 1-3/4"x11-7/4" LVL	HGLS725/12
(5) 1-3/4"x11-7/8" LVL	HGLS725/12
(5) 1-3/4"x14" LVL	HGLS725/14
(5) 1-3/4"x16" LVL	HGLS725/14
(5) 1-3/4"x18" LVL	HGLS725/14

HEADER SIZE REQUIREMENTS U.N.O.

3.5" DOUBLE HEADER w/ 1/2" SHEATHING MIN.

EXTERIOR AND INTERIOR BEARING WALLS, SPF #2 GRADE or BETTER

ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
< 3'-6"	(2) 2x6's	1/2"K
< 5'-0"	(2) 2x8's	1/2"K
5'-1" thru 6'-0"	(2) 2x10's	2/2"K
6'-1" thru 8'-0"	(2) 2x12's	3/3"K
8'-1" +	SEE PLAN	

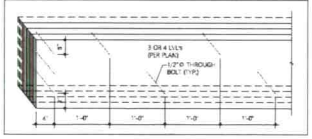
INTERIOR NON-BEARING WALLS SPF #2 GRADE or BETTER

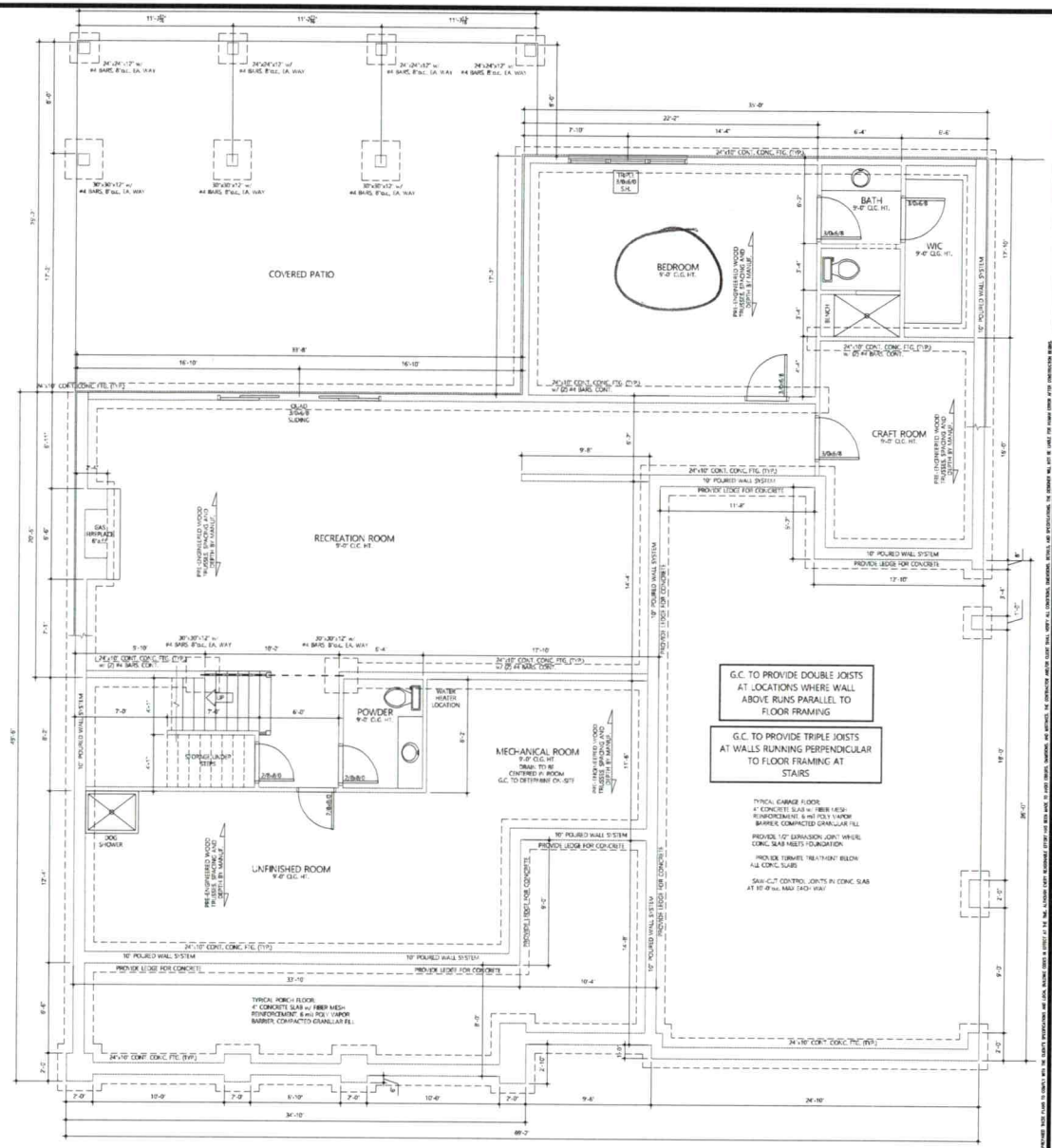
ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
< 3'-6"	(2) 2x6's	1/2"K
3'-7" thru 5'-0"	(2) 2x8's	2/2"K
5'-1" thru 6'-0"	(2) 2x10's	2/2"K
6'-1" thru 8'-0"	(2) 2x12's	3/2"K
8'-1" +	SEE PLAN	

WALL STUD REQUIREMENTS

EXTERIOR WALL HEIGHT	STUD SIZE AND SPACING
H = 10'-0"	2x4 @ 16" o.c.
10'-0" < H < 11'-0"	2x4 @ 12" o.c.
10'-0" < H < 11'-0"	2x6 @ 16" o.c.
H > 11'-0"	CONSULT ENGINEER

LVL BOLTING PATTERN DETAIL





101 / B1.1 LOWER LEVEL PLAN 1/4" = 1'-0"

MAIN LEVEL	
HEATED SQUARE FOOT	2,144 SQ. FT.
COVERED REAR PORCH	358 SQ. FT.
COVERED FRONT PORCH	626 SQ. FT.
GARAGE	N/A SQ. FT.
LOWER LEVEL	
HEATED SQUARE FOOT	1,950 SQ. FT.
UNHEATED SQUARE FOOT	350 SQ. FT.
COVERED REAR PATIO	342 SQ. FT.
UPPER LEVEL	
HEATED SQUARE FOOT	769 SQ. FT.
TOTAL	
HEATED SQUARE FOOT	5,863 SQ. FT.
UNHEATED SQUARE FOOT	2,121 SQ. FT.

SHANE BEAL DRAFTING
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B1.1

LOWER LEVEL PLAN AND NOTES

ALL THE SHEET OF THIS DRAWING OR PRINTED DATA SHALL REMAIN THE PROPERTY OF SHANE BEAL DRAFTING AND SHALL NOT BE USED IN ANY WAY WITHOUT THE WRITTEN CONSENT OF SHANE BEAL DRAFTING. ALL DRAWINGS, DESIGNS, DETAILS, AND SPECIFICATIONS, THE DRAWINGS WILL NOT BE USED FOR ANOTHER PROJECT, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO SHANE BEAL DRAFTING.

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT: PLANS FOR REVIEW PURPOSES ONLY

PROJECT CENTER: XXX XXX

B1.1

GENERAL PLAN NOTES

1. DRAWINGS ARE NOT TO BE SCALED! DIMENSIONS IN QUESTION SHALL BE CLARIFIED BY ARCHITECT.
2. ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD UNLESS NOTED OTHERWISE.
4. ALL INTERIOR WALLS ARE ASSUMED TO BE 3-1/2" WOOD STUDS, UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR WALLS ARE ASSUMED TO BE 5-1/2" WOOD STUDS (PLUS 1/2" EXTERIOR WALL SHEATHING) UNLESS NOTED OTHERWISE.
6. ALL DOORS TO BE CENTERED UNLESS NOTED OTHERWISE.
7. PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS.
8. ALL CABINETRY TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED)
9. ALL FINISH AND COLOR SELECTIONS TO BE APPROVED BY ARCHITECT/OC.
10. NUMBER OF EXTERIOR RISERS TO BE FIELD VERIFIED AT LOCATIONS WHERE 4 OR MORE ARE REQUIRED A HANDRAIL WILL ALSO BE REQUIRED.
11. PROVIDE TERMITE CHEMICAL AT FOUNDATION, AS REQUIRED.
12. MINIMUM 22-1/2" by 54-1/2" @ ATTIC ACCESS DOOR w/ PULL-DOWN LADDER TO BE DETERMINED ON SITE.
13. HVAC RETURN(S) TO BE DETERMINED ON SITE.
14. ALL COUNTERTOPS TO BE 36" A.F.F., UNLESS NOTED OTHERWISE
15. ALL DOOR HEIGHTS ARE SHOWN ON PLANS.

FRAMING CONSTRUCTION-OTHER THAN ROOF

1. STEEL BEAMS MUST HAVE (1)2x4 STUD JACKS UNDER EACH END SUPPORT, UNLESS NOTED OTHERWISE.
2. MICRO-LAM BEAMS MUST HAVE (2)2x4 STUD JACKS UNDER EACH END SUPPORT UNLESS NOTED OTHERWISE.
3. ALL BRICK OVER LOWER ROOFS MUST HAVE ANGLE WITH STOPS (AC SERIES) TO STUDS ABOVE AND ACCORDANCE WITH DETAIL.
4. ALL WOOD I-JOISTS AND OPEN JOISTS MUST BE BRACED IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN ON PLANS.
5. ALL RAFTER BRACES MUST HAVE 2 STUDS FROM PLATE TO FOUNDATION OR BEAM BELOW THEM AT ALL FLOORS. NO BRACES OF DOUBLE PLATE WITHOUT STUDS DIRECTLY UNDER THEM.
6. WHERE PARTITIONS FALL BETWEEN FLOOR TRUSSES, 2"x4" LADDERS @ 16"o.c. MUST BE PLACED PERPENDICULAR TO THE TRUSSES TO SUPPORT THE PLYWOOD DECKING.
7. ON ALL OPEN WEB FLOOR TRUSSES OVER A 16' SPAN A MIN. SINGLE LINE OF 2"x4" SHALL BE NAILED TO DIAGONAL MEMBERS OR VERTICAL MEMBERS IN THE APPROXIMATE MID-SPAN AS A LOAD DISTRIBUTION MEMBER.
8. WHERE CEILING JOISTS ARE PARALLEL TO EXTERIOR WALLS AND RAFTERS BEAR ON STUD WALL TOP PLATE ADJACENT TO CEILING JOISTS, SPACE RAFTERS AND TOP PLATE TO 2x6 HOOD 6' LONG (MIN.) ON 6' CENTERS ALONG LENGTH OF CEILING JOISTS.
9. ALL 2-STORY OPEN SPACE ROOMS, LIVING ROOMS, WITH 2 OR MORE ADJACENT OPENINGS OF 3' OR LESS MUST USE A 3-1/2"x3-1/2"x1/2" STEEL ANGLE VERTICALLY FROM FLOOR TO TOP PLATE LAGGED TO KING STUDS WITH (3) 6-3/8" LAGS @ 24"o.c. VERTICALLY AND LAGGED TO FLOOR AND TOP PLATE WITH (1) 5/16"x3" LAG THROUGH A 1/4" PLATE AT THE TOP AND BOTTOM. MULTIPLE OPENINGS WITH 3' OR LESS SPACE BETWEEN ROUGH OPENINGS SHALL HAVE AT LEAST (1) STEEL ANGLE VERTICALLY IN EACH MULLION SPACE. THE SHEATHING ON THIS STEEL REINFORCED PARTITION SHALL BE 1/2" PLYWOOD. NO OTHER SHEATHING SHALL BE PERMITTED.

STAIRWAYS

1. TREADS SHALL BE 9" WIDE PLUS A 1" NOSING
2. RISERS SHALL BE FIELD VERIFIED (NOT TO EXCEED 8-1/4")
3. STAIR SHALL BE 36" WIDE CLEAR MINIMUM AND SHALL HAVE A HANDRAIL AT A HEIGHT ABOVE THE NOSING OF 36".

EGRESS WINDOW REQUIREMENTS

R.O.C. 2012 310.1
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EXTERIOR WINDOW OR EXTERIOR DOOR APPROVED FOR EMERGENCY EGRESS OR RESCUE. THE UNITS MUST BE OPERABLE FROM THE INSIDE TO A FULL CLEAR OPENING WITHOUT THE USE OF A KEY OR TOOL. WHERE WINDOWS ARE PROVIDED AS A MEANS OF EGRESS OR RESCUE, THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR.

R.O.C. 310.1.1
THE MIN. NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 22". THE MIN. NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20". THE NET CLEAR OPENING AREA SHALL NOT BE LESS THAN 4 SQ. FT.



R.O.C. 310.1.1
EACH EGRESS WINDOW FROM SLEEPING ROOMS MUST HAVE A MIN. TOTAL GLASS AREA OF NOT LESS THAN 5 SQ. FT. IN THE CASE OF A GROUND FLOOR WINDOW AND NOT LESS THAN 3.7 SQ. FT. IN THE CASE OF A SECOND STORY WINDOW.



TYP. HANGERS FOR JOIST & BEAMS

NOTE: ALL HANGERS BY SIMPSON STRONG TIE CO., INC.
(BRAND-NAME EQUIVALENTS ACCEPTABLE)

MEMBERS	HANGER
2x8	LUS28
2x10	LUS210
2x12	LUS212
(2) 2x8	HUS26-2
(2) 2x10	HUS210-2
(2) 2x12	HUS212-2
(3) 2x8	LUS26-3
(3) 2x10	LUS210-3
(3) 2x12	HUS712-3 MIN.
(2) 1-3/4"x9-1/4" LVL	HGLS419
(2) 1-3/4"x9-1/2" LVL	HGLS419
(2) 1-3/4"x11-7/8" LVL	HGLS412
(2) 1-3/4"x11-7/8" LVL	HGLS412
(2) 1-3/4"x14" LVL	HGLS414
(2) 1-3/4"x16" LVL	HGLS414
(2) 1-3/4"x18" LVL	HGLS414
(3) 1-3/4"x9-1/4" LVL	HGLS3.50/10
(3) 1-3/4"x9-1/2" LVL	HGLS3.50/10
(3) 1-3/4"x11-7/8" LVL	HGLS3.50/12
(3) 1-3/4"x11-7/8" LVL	HGLS3.50/12
(3) 1-3/4"x14" LVL	HGLS3.50/14
(3) 1-3/4"x16" LVL	HGLS3.50/14
(3) 1-3/4"x18" LVL	HGLS3.50/14
(4) 1-3/4"x9-1/4" LVL	HGLS7.25/10
(4) 1-3/4"x9-1/2" LVL	HGLS7.25/10
(4) 1-3/4"x11-7/8" LVL	HGLS7.25/12
(4) 1-3/4"x11-7/8" LVL	HGLS7.25/12
(4) 1-3/4"x14" LVL	HGLS7.25/14
(4) 1-3/4"x16" LVL	HGLS7.25/14
(4) 1-3/4"x18" LVL	HGLS7.25/14

HEADER SIZE REQUIREMENTS U.N.O.

3.5" DOUBLE HEADER w/ 1/2" SHEATHING and EXTERIOR AND INTERIOR BEARING WALLS SPF #2 GRADE or BETTER

ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
< 3'-6"	(2) 2x8's	1/1K
> 3'-6"	(2) 2x8's	1/1K
3'-1" thru 5'-0"	(2) 2x10's	2/2K
5'-1" thru 6'-6"	(2) 2x10's	3/2K
6'-7" thru 8'-0"	(2) 2x12's	3/3K
8'-1" <	SEE PLAN	SEE PLAN

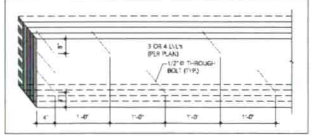
INTERIOR NON-BEARING WALLS SPF #2 GRADE or BETTER

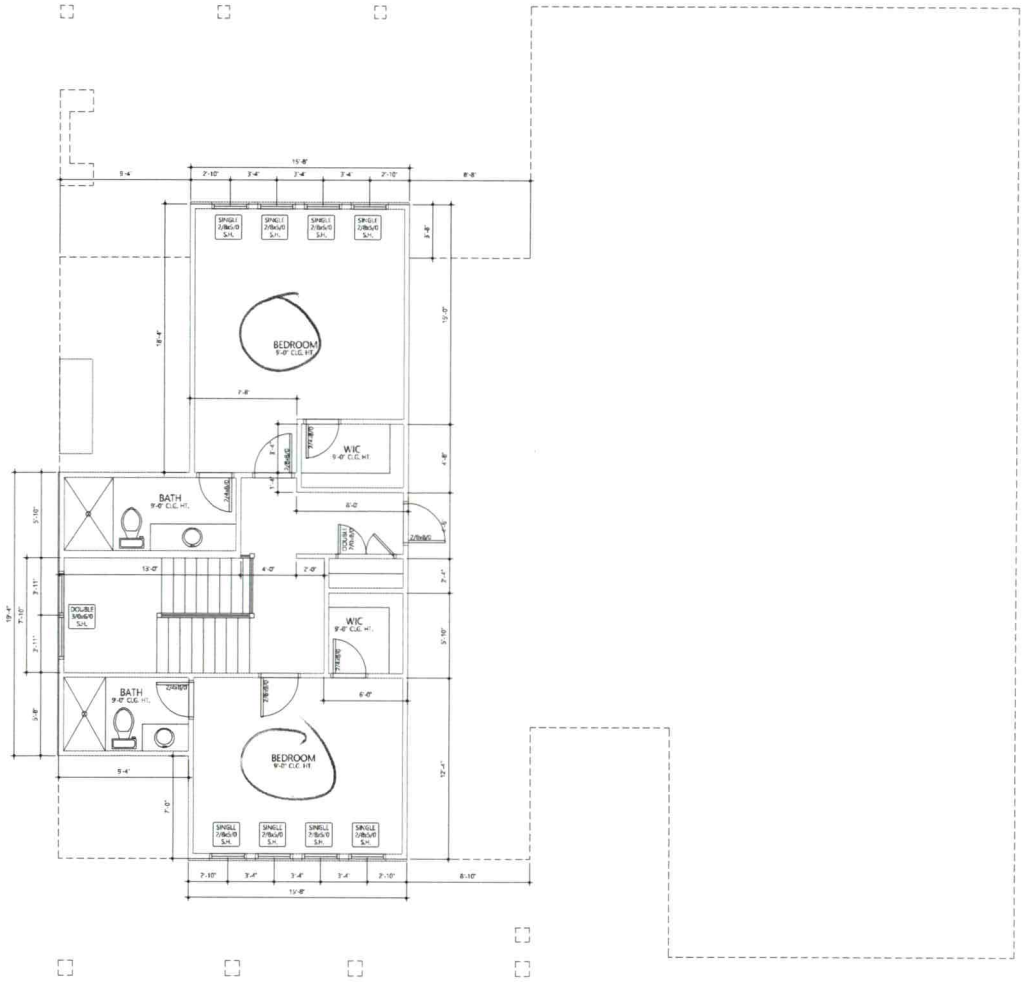
ROUGH OPENING	SIZES	JACK STUDS/ KING STUDS
- 3'-6"	(2) 2x8's	1/1K
3'-7" thru 5'-6"	(2) 2x8's	2/1K
5'-7" thru 6'-6"	(2) 2x10's	2/2K
6'-7" thru 8'-0"	(2) 2x10's	3/2K
8'-1" <	SEE PLAN	SEE PLAN

WALL STUD REQUIREMENTS

EXTERIOR WALL HEIGHT	STUD SIZE AND SPACING
H - 10'-0"	2x4 @ 16" o.c.
10'-0" < H < 11'-0"	2x4 @ 12" o.c.
10'-0" < H < 11'-0"	2x6 @ 16" o.c.
H - 11'-0"	CONSULT ENGINEER

LVL BOLTING PATTERN DETAIL





101 / B1.1 UPPER LEVEL PLAN 1/4" = 1'-0"

MAIN LEVEL	
HEATED SQUARE FOOT	2,544 SQ. FT.
COVERED REAR PORCH	358 SQ. FT.
COVERED FRONT PORCH	126 SQ. FT.
GARAGE	N/A SQ. FT.
LOWER LEVEL	
HEATED SQUARE FOOT	1,958 SQ. FT.
UNHEATED SQUARE FOOT	586 SQ. FT.
COVERED REAR PATIO	358 SQ. FT.
UPPER LEVEL	
HEATED SQUARE FOOT	709 SQ. FT.
TOTAL	
HEATED SQUARE FOOT	3,263 SQ. FT.
W/ HEATED SQUARE FOOT	2,121 SQ. FT.

1801 POARCH ROAD
LINCOLNTON, NC 28092
(980) 439-4000
SBEAL2040@YAHOO.COM
SHANE BEAL
DRAFTING

B1.2

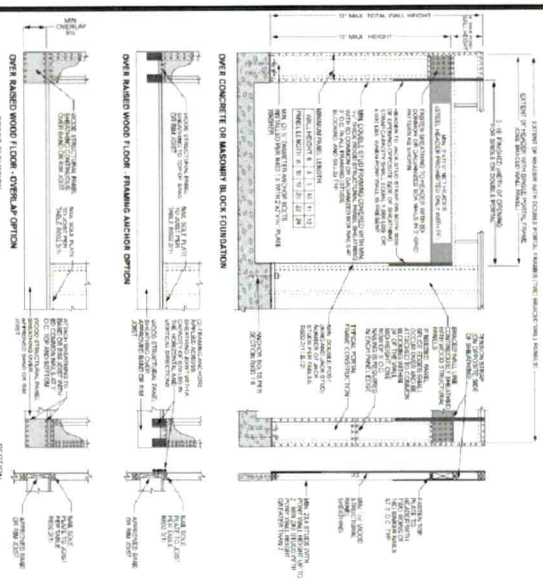
UPPER LEVEL PLAN AND NOTES

PROJECT FOR:
MIKE FLYNN

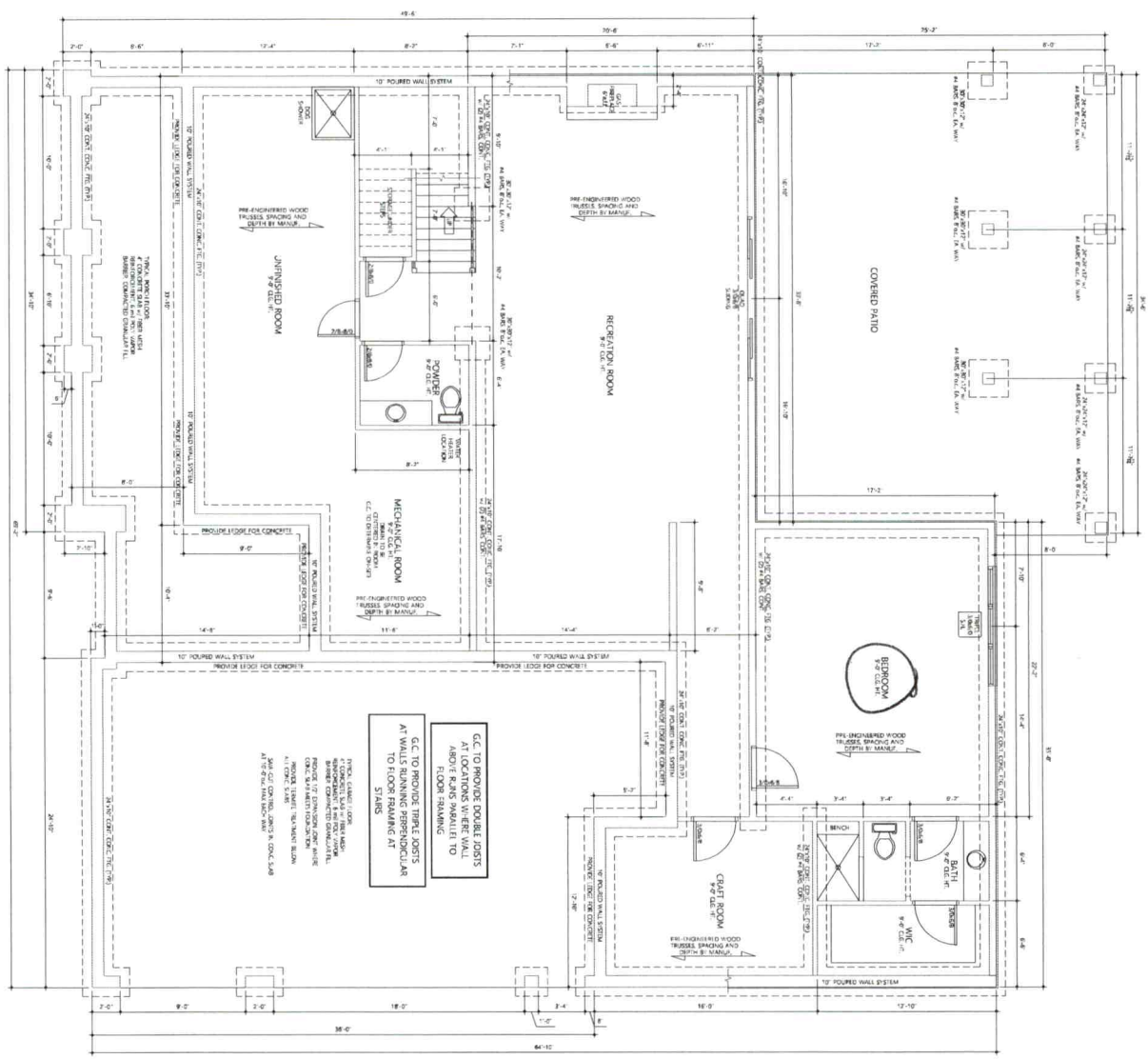
PROJECT ADDRESS:
XXX
XXX

B1.2

ALL THE SIZE OF ALL STRUCTURAL AND FRAMING SIZES SHOWN ON THESE PLANS ARE TO CONFORM WITH THE COUNTY'S SPECIFICATIONS AND LOCAL BUILDING CODES IN EFFECT AT THE TIME ACTUAL CONSTRUCTION IS BEGUN. ANY ADDITIONAL COST IN ASSOCIATED EFFORT AND BEDS MADE TO MEET LOCAL CODES, SHALL BE ASSUMED BY THE CONTRACTOR AND/OR CLIENT. THESE PLANS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE DESIGNER SHALL NOT BE LIABLE FOR CHANGES MADE IN THESE PLANS AFTER CONSTRUCTION IS DONE.



B4.1 401 FOUNDATION PLAN 1/4" = 1'-0"



TO THE BEST OF HIS KNOWLEDGE, THE DESIGNER HAS PREPARED THESE PLANS TO COMPLY WITH THE CLIENT'S SPECIFICATIONS AND LOCAL BUILDING CODES IN EFFECT AT THE TIME. ALTHOUGH EVERY REASONABLE EFFORT HAS BEEN MADE TO AVOID ERRORS, OMISSIONS, AND MISTAKES, THE CONTRACTOR AND/OR CLIENT SHALL VERIFY ALL CONDITIONS, DIMENSIONS, DETAILS, AND SPECIFICATIONS. THE DESIGNER WILL NOT BE LIABLE FOR HUMAN ERROR AFTER CONSTRUCTION BEGINS.

B4.1

PROJECT NAME:
A NEW RESIDENCE FOR:
MIKE FUNK

PROJECT ADDRESS:
XXX
XXX

FOUNDATION PLAN

SCALE: 1/4" = 1'-0"
DRAWN BY: STS, DRAFTSMAN
DATE: [illegible]
REVISION:
REVISION:

B4.1

SHANE BEAL
DRAFTING

1801 ROARCH ROAD
LINCOLNTON, NC 28092
(980) 429-4090
SBEAL2040@YAHOO.COM

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

Lue 5
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
6/1/2022

Reference: Data Sheet for Lambert Ln PIN 4708077520
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 5/600 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-End cap/Drop boxes
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 24"

MW 6/14/22

Line	Design Length	Actual Length
Pink 1	**100'**	**100'**
White 2	**100'**	**100'**
Orange 3	**100'**	**100'**
Yellow 4	**100'**	**100'**
Blue 5	**100'**	**100'**
Pink 6		112'
White 7		112'
Orange 8		112'

Initial System: 500' **Repair System:** 336'



Comments:

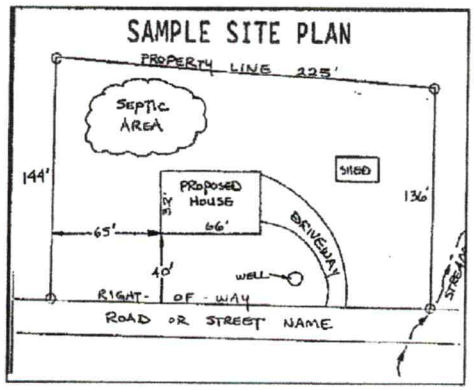
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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:

- ( ) **Property Line measurements are clearly identified**
- ( ) **All proposed structures are indicated**
- ( ) **Front and side setbacks from property line**
- ( ) **Preferred driveway location**
- ( ) **Preferred well location**
- ( ) **Preferred septic system location**
- ( ) **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 Plan

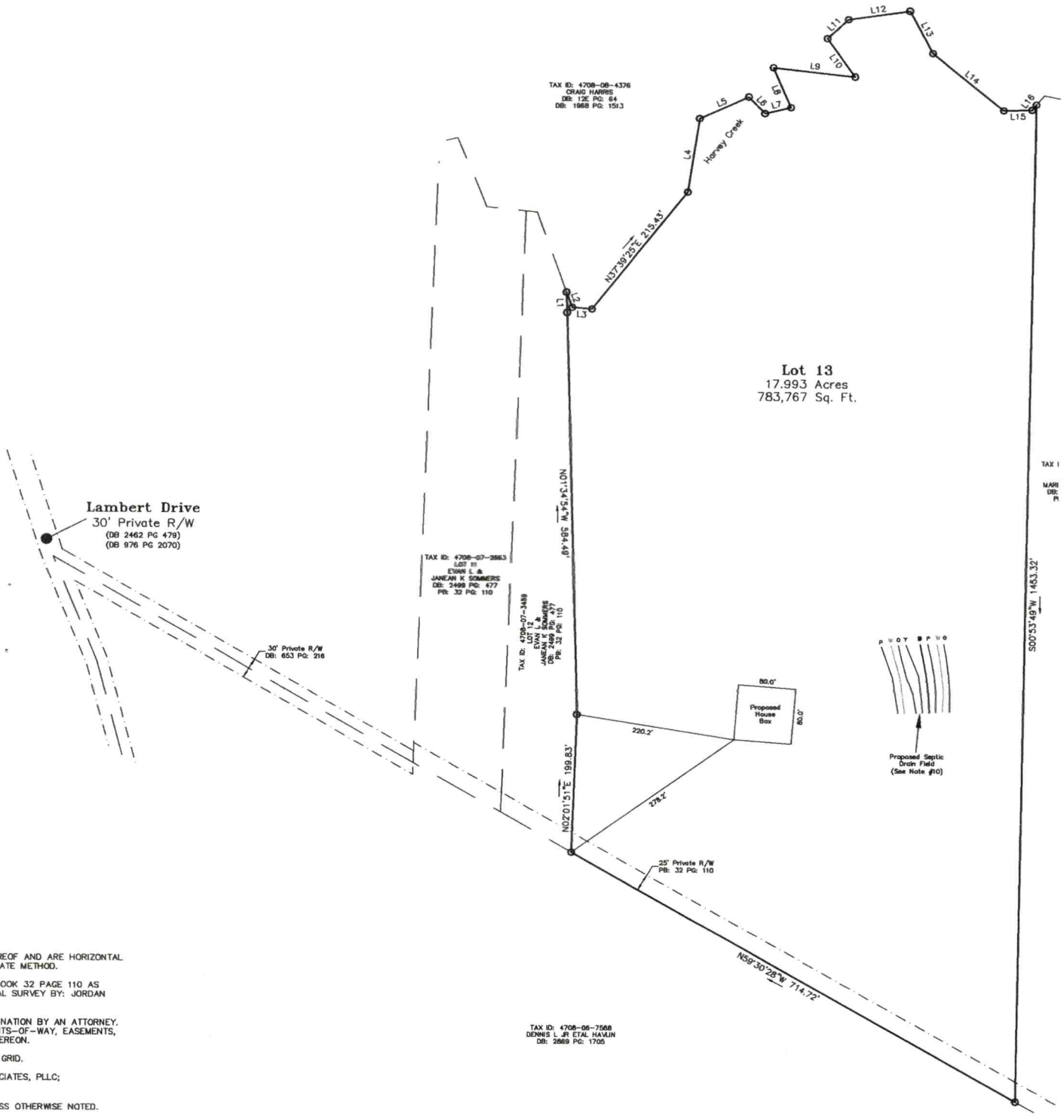
Signature: Mike Fox

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

5/30/22

DATE

MW 6/14/22



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INATE METHOD.

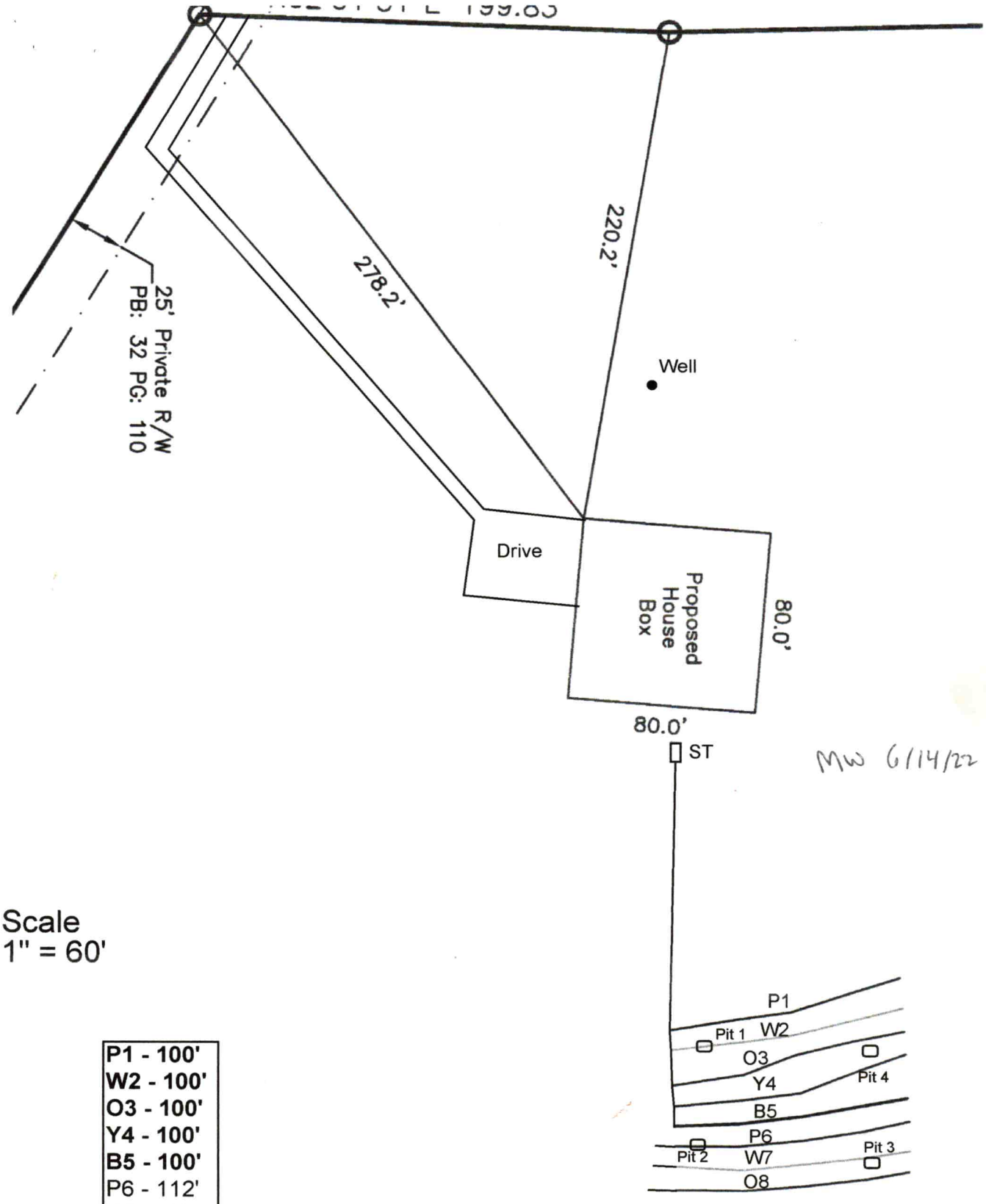
BOOK 32 PAGE 110 AS
CAL SURVEY BY: JORDAN

MINATION BY AN ATTORNEY.
GHTS-OF-WAY, EASEMENTS,
HEREON.

C GRID.

SOCIATES, PLLC;

LESS OTHERWISE NOTED.



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Scale
1" = 60'

P1 - 100'
W2 - 100'
O3 - 100'
Y4 - 100'
B5 - 100'
P6 - 112'
W7 - 112'
O8 - 112'

N

AP 329394
Pd. $350.00 Rec'd 6/3/22

Exp. Rev

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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) Please contact Gary McNeely (704-310-1832) prior to evalution

Applicant Name: Mike Funk **Address:** 137 No San Agustin Pl **Zip:** 28117
Applicant Email: mike.funkn@gmail.com **Phone:** 704 957 9185 **Alt. Phone:**
Owner Name: same **Address:** **Zip:**
Owner Email: same **Phone:** **Alt. Phone:**

Property Information: 1345
Street Address: ~~1195~~ Lambert Lane, Iddenite NC 28636
Subdivision Name: Baxter C. Millsaps Jr. Estates **Section/Phase:** **Lot Number:** 13
Driving Directions: 40 to 115, 115 Wilkesboro thru, (L) Pisgah Bridge (L) Harris Bridge (R) Benton Farm (L) Huddlebear Ridge (L) Lambert

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

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 5
( ) New Multi-Family Residence — Maximum Number of Occupants:
( ) Accessory Building — ( ) Swimming Pool
( ) Bedroom(s) Addition — ( ) Other Addition/Structure:
( ) 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:

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

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 ( ) Modified Conventional (✓) Other: Accepted

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: Mike Funk 5/31/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Public Health
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
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, Mike Funk, am the legal owner(s) of the property located at 1195 Lambert Lane, Hiddenite, NC 28636, identified as PIN (Parcel Identification Number) _____, 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.

Mike Funk 5/31/22

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

MW 6/14/22

PROPERTY ID #: 4708077520
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael Funk APPLICATION DATE
ADDRESS: 137 N San Agustin Dr, Mooresville, NC 28117 DATE EVALUATED: 5/2022
PROPOSED FACILITY: 5 BDRM PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 17.993 AC
LOCATION OF SITE: Lambert Ln, Baxter L Millsaps Jr Est, Lot 13 1345 Lambert Ln PROPERTY RECORDED:
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ 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	
1	LS 12%	0-8	Br CL WSBK	FR SS SP SXP	N/A	56"	Inc SAP/WR	N/A	PS 0.3
		8-28	R C SBK	FR SS SP SXP					
		28-56	R CL WSBK	FR SS SP SXP					
2	LS 12 %	0-6	Br CL WSBK	FR SS SP SXP	N/A	57"	Inc WR/SAP	N/A	PS 0.3
		6-28	R C SBK	FR SS SP SXP					
		28-57	R CL WSBK	FR SS SP SXP					
3	LS 12%	0-8	Br CL WSBK	FR SS SP SXP	N/A	60"	Inc SAP/WR	N/A	PS 0.3
		8-30	R C SBK	FR SS SP SXP					
		30-60	R CL WSBK	FR SS SP SXP					
4	LS 12%	0-14	Br CL WSBK	FR SS SP SXP	N/A	56"	Inc WR/SAP	N/A	PS 0.3
		14-34	R C SBK	FR SS SP SXP					
		34-56	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT^2	672 FT^2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

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

COMMENTS: