ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR-2022-6423

PERMIT # AP 322805

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

PIN # 4626 -- 10 -- 4538

APPLICANT/OWNER: Tim Whelan | APPLICANT ADDRESS: PO Box 4419, Mooresville NC 28117

SITE ADDRESS: 231 Barber Loop, Mooresville NC 28117 | PHONE: 704-400-8932 | ALT. PHONE

SITE DIRECTIONS: (N) Brawley School → (R) Chuckwood → (L) Barber Loop → lot on (L)

SUBDIVISION: C L & T | SECTION: 7 | LOT # 151 | LOT AREA: 0.743 ac | SAP CONTROLLED: ☐ YES ☒ NO | DESIGN FLOW: 480 gpd | L.T.A.R.: 0.3/0.15

Septic Tank	1000 (gal)	STB 347	Date 7/21/23	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000 (gal)	PT 306	Date 7/23/23	System Description: PTBPS - PM		☐ Business	No. Persons 8	☒ Private
Pump Make		Model		Repair System Description: Temp - 3400 ft 2		☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines 6	Linear Ft 270'	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab ☐ Crawl Space		☐ Community
Trench Width	24" min	Trench Bottom Depth (Low side)	36"	Gravel Depth N/A	☐ GRAVITY ☒ PRESSURE	☒ Basement w/ plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield. See attached design plan. Property is wooded 12/5/16 - may be 5' from property line if needed.

INITIAL SITE SKETCH

See attached site plan & design by Michael Attranas & Assoc. approved 12/2/21

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.

* retaining wall sideslope of lines < 2' cut. natural grade at top shot 2'10", pad on retaining wall at 4'7". can be 5' from end of lines. SW

See attached As Built

Lines 4,5,6 ~~3,4,5~~ checked - SH 9/22/23

Lines 1,2,3 checked MW 9/28/23

Alarm, Electrical, Floats, PM } SH 11/6/23

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: | Date:

IMPROVEMENT PERMIT by: D. Meberg | Date: 12/12/21

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 12/12/22

Installed by: Richard Abernathy

OPERATION PERMIT by: Sydney Holland | Date 11/6/23

Existing System Inspected by: | Date:

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

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
11/24/2021

Reference: Data Sheet for 231 Barber Lp, CL&T Sec 7 Lot 151
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 GPD
Proposed LTAR: 0.3 GPD/FT^2 (initial), 0.15 GPD/FT^2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: TSII American Perc-Rite
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM
Tap Size and Material: ½" SCH 80
System Flow: 32.88 GPM
Dosing Volume: 216 gallons
Pump Run Time: 6.6 minutes
Elevation Head: 15.5'
Friction Head: 2.7'
Pressure Head: 2'
Total Dynamic Head: 20.2'
Supply Line Length: 110' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	# of Panels	Actual Length	Elevation
White 1	45'	10	45'	3.3'
Pink 2	45'	10	45'	3.9'
Yellow 3	45'	10	45'	5.3'
Orange 4	45'	10	45'	6.1'
White 5	45'	10	45'	7.1'
Pink 6	45'	10	45'	8.1'

Initial System: 270'
Pump Tank: 13.8'
Benchmark: 0.9'
Repair System: 3400 FT^2
House Corner: 5.0'

Comments:

PROPERTY ID #: 4626104538
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Henry Bergquist
ADDRESS: 125 Pointe Harbour Ln, Mooresville, NC 28117
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 231 Barber Lp, CL&T Sec 7 Lot 151
APPLICATION DATE
DATE EVALUATED: 11/2021
PROPERTY SIZE: 0.743 AC
PROPERTY RECORDED: 12/2/1976
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	
PIT 1	LS 8%	0-33	R C SBK	FR SS SP SXP	N/A	57"	Few SAP	N/A	PS 0.3 NOT IN SYSTEM AREA
		33-57	R CL WSBK	FR SS SP SXP					
PIT 2	LS 8%	0-42	FILL		N/A	N/A	N/A	N/A	US NOT IN SYSTEM AREA
		42-50	R C SBK	FR SS SP SXP					
PIT 3	LS 8%	0-6	Br CL WSBK	FR SS SP SXP	N/A	50"	N/A	N/A	PS 0.3
		6-39 35	R C SBK	FR SS SP SXP					
		39-50	R CL WSBK	FR SS SP SXP					
		35			Band of litho incl @ 19-27	→ some ABK			0.275
PIT 4	LS 8%	0-38 32	R C SBK	FR SS SP SXP	N/A	55"	N/A	N/A	PS 0.3
		38-55	R CL WSBK	FR SS SP SXP					
	LS	0-8	Sdy L - SBK		mica common 32"+ sap incl common LS				
		8-28	C - SBK		LS 8-28 C LS				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 FT^2	3400 FT^2
System Type(s)	PPBPS	TSII AmPerc Rt
Site LTAR	0.3	0.15

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

COMMENTS:

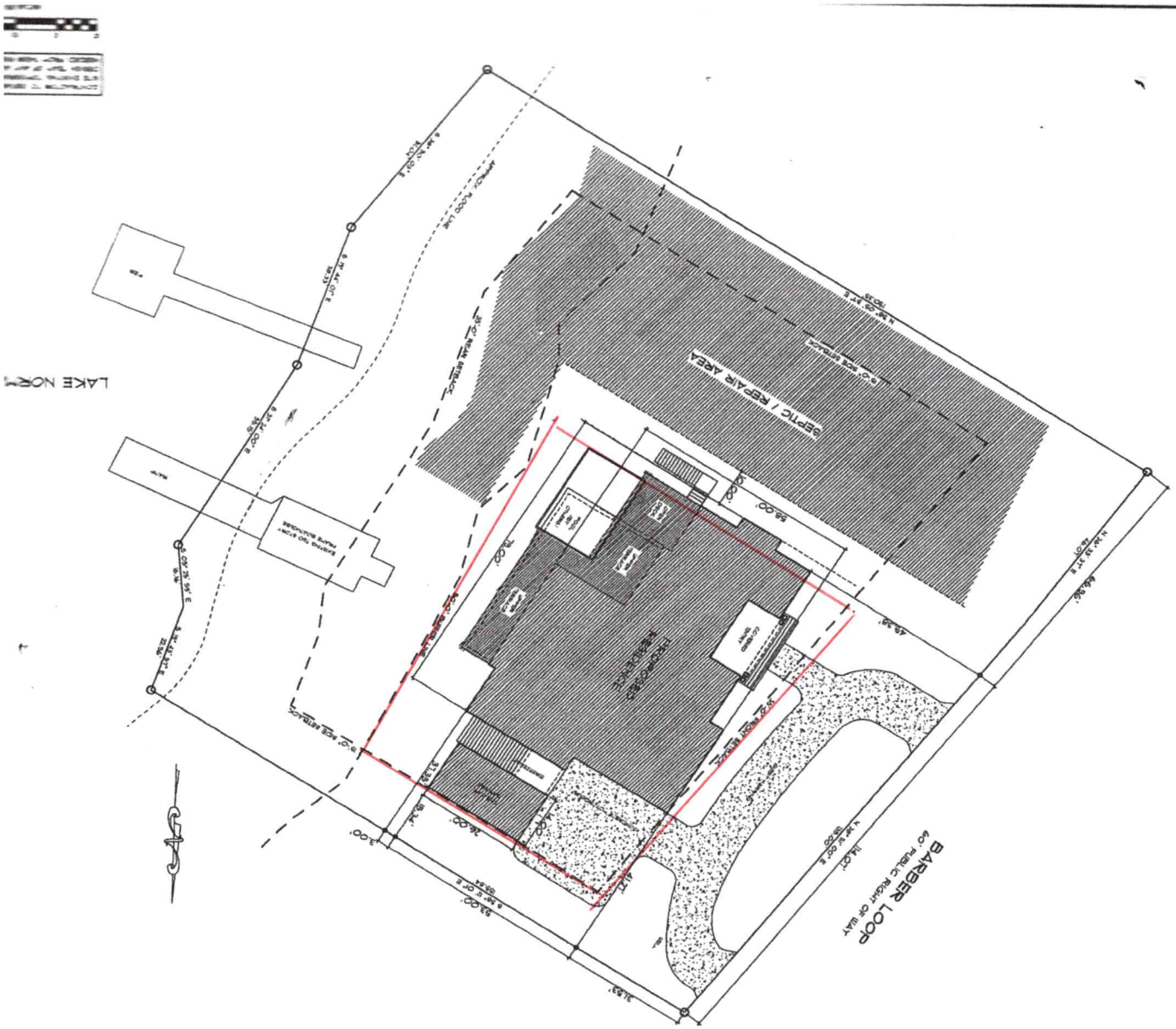
SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4626104538____
DATE OF EVALUATION: _____
COUNTY: _IREDELL_____

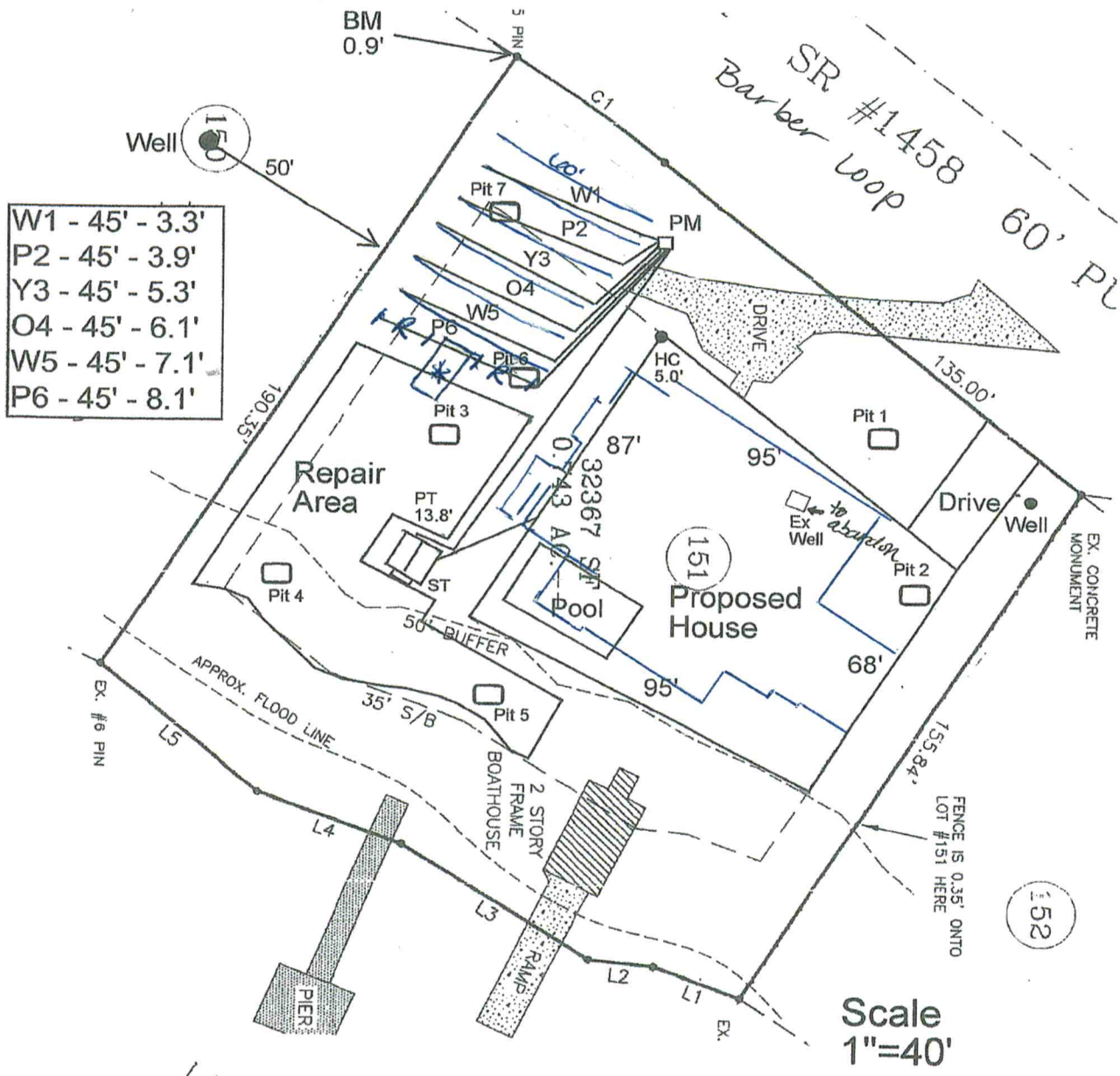
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 5	LS 8%	0-8/40	Br CL WSBK	FR SS SP SXP	N/A	57"	N/A	N/A	PS 0.3
		8-32/40	R C SBK	FR SS SP SXP					
		32-57	R CL WSBK	FR SS SP SXP					
					sap incl.	40"+			
PIT 6	LS 8%	0-10	FIILL		N/A	58"	N/A	N/A	PS 0.3
		10-30	R C SBK	FR SS SP SXP					
		30-58	R CL WSBK	FR SS SP SXP					
					sap incl around				
					2.5Y6/3 down				
					one vein - no other occurrence				
PIT 7	LS 8%	0-5	FILL		N/A	57"	N/A	N/A	PS 0.3
		5-30	R C SBK	FR SS SP SXP					
		30-57	R CL WSBK	FR SS SP SXP					
					sap incl & mica				
					Common 30"+				

COMMENTS: Pit 6 = Chroma 3 isolated to one vein of C, some litho content around it as well. very minimal percentage (<2%)


LAKE NORA
SEPTIC / REPAIR AREA
BARBER LOOP
70.00'
49.00'
36.00'
31.38'
3.00'
3.00'
3.00

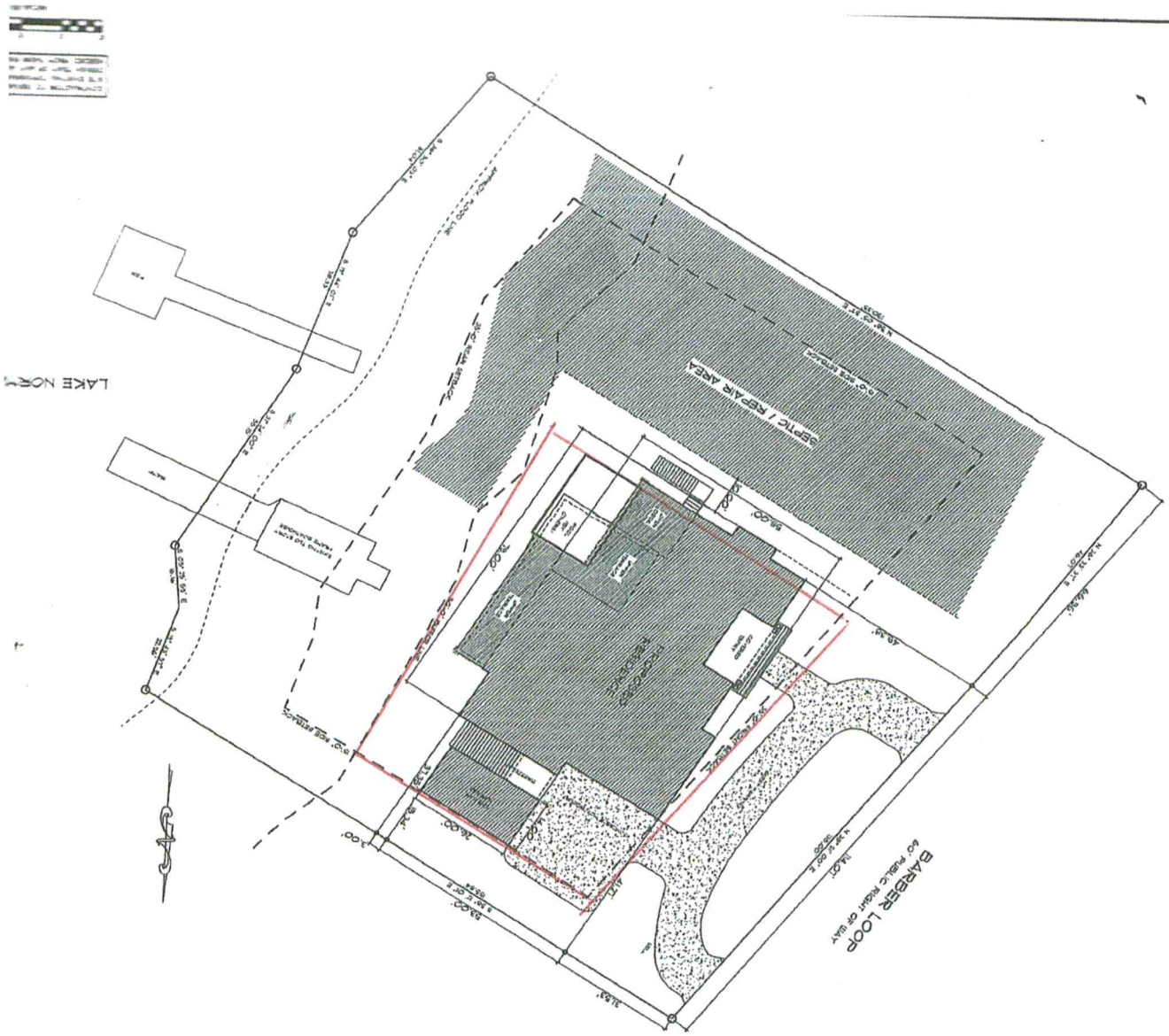
231 Barber Loop
Mooresville, NC 28117
approved 12/12/21 DW

Modified/As Built

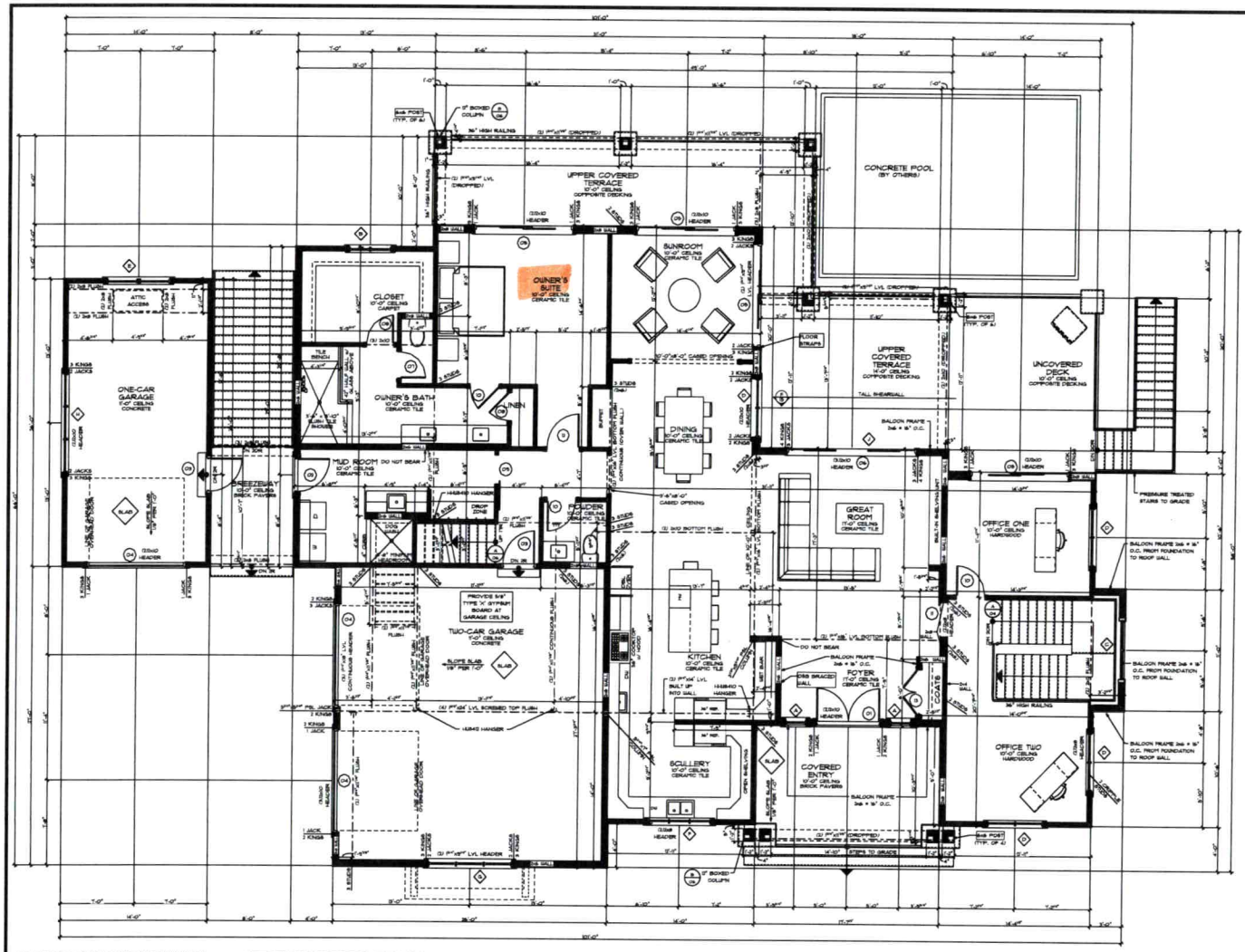


Lake Norman

* existing gravel pit
15' repair either side



Site plan
approved
10/12/22



FLOOR PLAN CONSTRUCTION NOTES

(SEE SHEET 2 FOR ADDITIONAL NOTES)

1. "T.J.N." INDICATES "TIE (CEILING JOIST) TO RAFTER WITH FOUR 3"X0.28" NAILS"
2. ALL LOAD- BEARING HEADERS SHALL BE (2)2X6 SPF#2 UNLESS NOTED OTHERWISE ON THE PLAN.
3. WHERE DIMENSIONS ARE NOT INDICATED BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE PLANS FOR DIMENSIONS TO WALLS.
4. ALL WALLS UP TO 10'-2" FT. TALL SHALL BE MIN. 2X4 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. WALLS BETWEEN 10'-2" AND 12'-0" TALL SHALL BE A MIN. OF 2X6 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY NOTED ON THE PLAN.
5. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY (MBRE FRAMING INTO BEAMS ON LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN.

DESIGN MTH	APPROX. HANGERS
(1) 2x8	LUS 28-2
(2) 2x10,(3) 2x8	LUS 210-3
(3) 2x12, (3) 2x12	LUS 212-3
(2) 1¾" x 9¼" LVL	HUS 410
(2) 1¾" x 11¼"-14" LVL	HUS 412
(2) 1¾" x 16"-24" LVL	HHUS 410
ALL TRIPLE LVLs	HHUS 5.50/10

6. NOTE: FILL ALL OF THE HOLES IN (E)BEAM HANGERS WITH 8d x 1½" COMMON NAILS (1½" x 0.162") OR 8d x 1½" (1½" x 0.131") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR TRIM ANY NAILS. DO NOT USE 10d x 1½" HANGER NAILS AT 24d ONLY UNLESS NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY 1½" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
7. "LVL" AND SCL/LAM BEAMS THAT HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2x4 OR (2)-2x6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.
8. ■ INDICATES POINT LOADS. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS - WHETHER WOOD OR STEEL-CARPET BEAM ON BREATHING ALONE, BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE THAT ARE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2x4 SQUASH BLOCKS (N.B.) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION SILL ON LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING RAILS (NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS ON (MBRE "N.B." IS INDICATED ON THE PLAN.

NUMBER OF KING STUDS REQUIRED ON OPENING WIDTH

Roof Shed	
LESS THAN (5'-6"	+ 1 KING
5'-7" TO 9'-0"	+ 2 KINGS
9'-1" TO 9'-10"	+ 3 KINGS
9'-11" TO 12'-0"	+ 4 KINGS
OVER 12'-0"	+ SEE PLAN

Floor Shed	
LESS THAN (5'-0"	+ 1 KING
5'-1" TO 10'-0"	+ 2 KINGS
GREAT THAN) 10'-0"	+ SEE PLAN

9. "SCREWED", FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROW OF 3" LONG PLATLOK OR SIMPSON SDS SCREWS @ 16" o.c. AND FOUR PLY LVLs WITH TWO ROW OF 3½" PLATLOK SCREWS @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR BOTTOM OF THE BEAM.
10. FASTEN FIRST KING STUD TO LUMBER HEADER WITH AT LEAST THREE 8d (3"X0.162") IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE HEADER WITH TWO ROWS OF 3"x0.26" NAILS AT 12"o.c. SEE TABLE(1) FOR NUMBER OF KING STUDS REQUIRED IF NOT NOTED ON PLANS.
11. CONTRACTOR TO PROVIDE MINIMUM 22"x30" ACCESS TO ATTIC.
12. PROVIDE 5/8" DRYWALL SEPARATION BETWEEN WALL 4 5/8" TYPE X DRYWALL AT CEILING OF HOUSE & GARAGE
13. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE
14. BUILD UP FLOOR AREAS AS REQUIRED TO HAVE FLUSH FLOOR FINISHES AT DIFFERENT FLOOR FINISHING MATERIALS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING

SQUARE FOOTAGE

ALL FOOTAGE CALCULATED TO STUD

FIRST FLOOR HEATED	2,461
LOWER LEVEL HEATED	2,108
TOTAL HEATED	4,569
COVERED BREEZEWAY UNHEATED	97
COVERED ENTRY UNHEATED	180
LOWER COVERED PATIO UNHEATED	784
MECHANICAL ROOM UNHEATED	300
ONE-CAR GARAGE UNHEATED	364
TWO-CAR GARAGE UNHEATED	649
UNDER GARAGE STORAGE UNHEATED	78
UNFINISHED ATTIC STORAGE	136
TOTAL UNDER ROOF	8,482

- VERIFY ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER

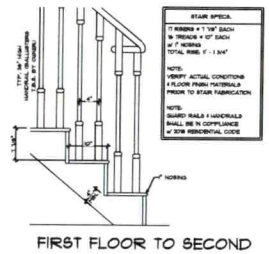
FIRST FLOOR DOOR SCHEDULE

ID	QTY	DOOR SIZE W	DOOR SIZE HT	GLZ	NOTES
01	1	8'-0"	8'-0"	TEMP.	SGD 96" EXTERIOR ENTRY DOOR w/ GLASS PANELS - TEMPERED
02	1	3'-0"	8'-0"	TEMP.	SINGLE EXTERIOR HALF GLASS w/ ONE PANEL DOOR UNIT w/ WEATHER STRIPPING + THRESHOLD - TEMPERED
03	2	5'-0"	8'-0"		SINGLE INTERIOR INSULATED 1360 PANEL DOOR w/ 30min. FIRE RATING w/ WEATHER STRIPPING + THRESHOLD
04	3	9'-0"	8'-0"		SINGLE INTERIOR OVERHEAD GARAGE DOOR UNIT
05	4	5'-0"	8'-0"	TEMP.	TRIPLE 36" EXTERIOR SLIDING GLASS DOOR UNIT - TEMPERED
06	1	5'-0"	8'-0"	TEMP.	GUAD 36" EXTERIOR SLIDING GLASS DOOR UNIT - TEMPERED
07	1	2'-6"	8'-0"		SINGLE INTERIOR 1360 PANEL DOOR UNIT
08	1	2'-6"	8'-0"		SINGLE INTERIOR 1360 PANEL DOOR UNIT
09	1	2'-6"	8'-0"		SINGLE INTERIOR BARN DOOR UNIT w/ TRACK + HARDWARE
10	3	2'-6"	8'-0"		SINGLE INTERIOR 1360 PANEL DOOR UNIT
11	1	2'-6"	8'-0"		SINGLE INTERIOR BARN DOOR UNIT w/ TRACK + HARDWARE
12	1	2'-6"	8'-0"		SINGLE INTERIOR 1360 PANEL DOOR UNIT
13	1	4'-0"	8'-0"		TWIN 24" INTERIOR 1360 PANEL DOOR UNIT

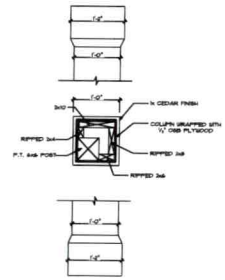
- VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

FIRST FLOOR WINDOW SCHEDULE

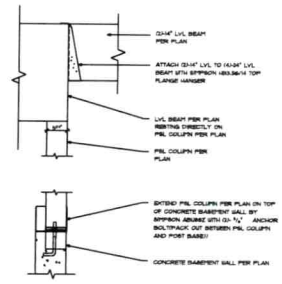
ID	QTY	SIZE W	SIZE HT	NOTES
A	2	2'-0"	4'-0"	SINGLE FIXED WINDOW UNIT
B	1	4'-0"	7'-0"	TWIN 24" FIXED WINDOW UNIT
C	1	8'-4"	8'-4"	TWIN 30" FIXED WINDOW UNIT
D	4	5'-4"	6'-0"	TWIN 30" DOUBLE HUNG WINDOW UNIT
E	1	6'-0"	6'-0"	TWIN 36" DOUBLE HUNG WINDOW UNIT
F	1	6'-0"	4'-0"	TRIPLE 24" DOUBLE HUNG WINDOW UNIT
G	1	8'-0"	6'-0"	TRIPLE 24" DOUBLE HUNG WINDOW UNIT
H	1	9'-0"	5'-4"	TRIPLE 36" FIXED WINDOW UNIT
J	1	12'-0"	5'-0"	QUAD 36" TRIANGLE WINDOW UNIT



A FIRST FLOOR TO SECOND FLOOR STAIR DETAIL
SCALE: 1" = 1'-0"



B 12" BOXED COLUMN DETAIL
SCALE: 1" = 1'-0"



C BEAM TO BEAM CONNECTION
SCALE: 1" = 1'-0"

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

K|H RESIDENTIAL DESIGN
KHRESIDENTIAL DESIGN.COM
704-728-0505
N·C·B·D·C
ENGINEER:
NORTH CAROLINA PROFESSIONAL SEAL 31905 ENGINEER CHAD T. BITTEN
IDE INTELLIGENT DESIGN ENGINEERING

THE SHUCKABRAN RESIDENCE

251 BARBEE LOOP
MOORESVILLE, NORTH CAROLINA

NOTE: ORIGINAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE CONSTRUCT

MEMBER AIBD

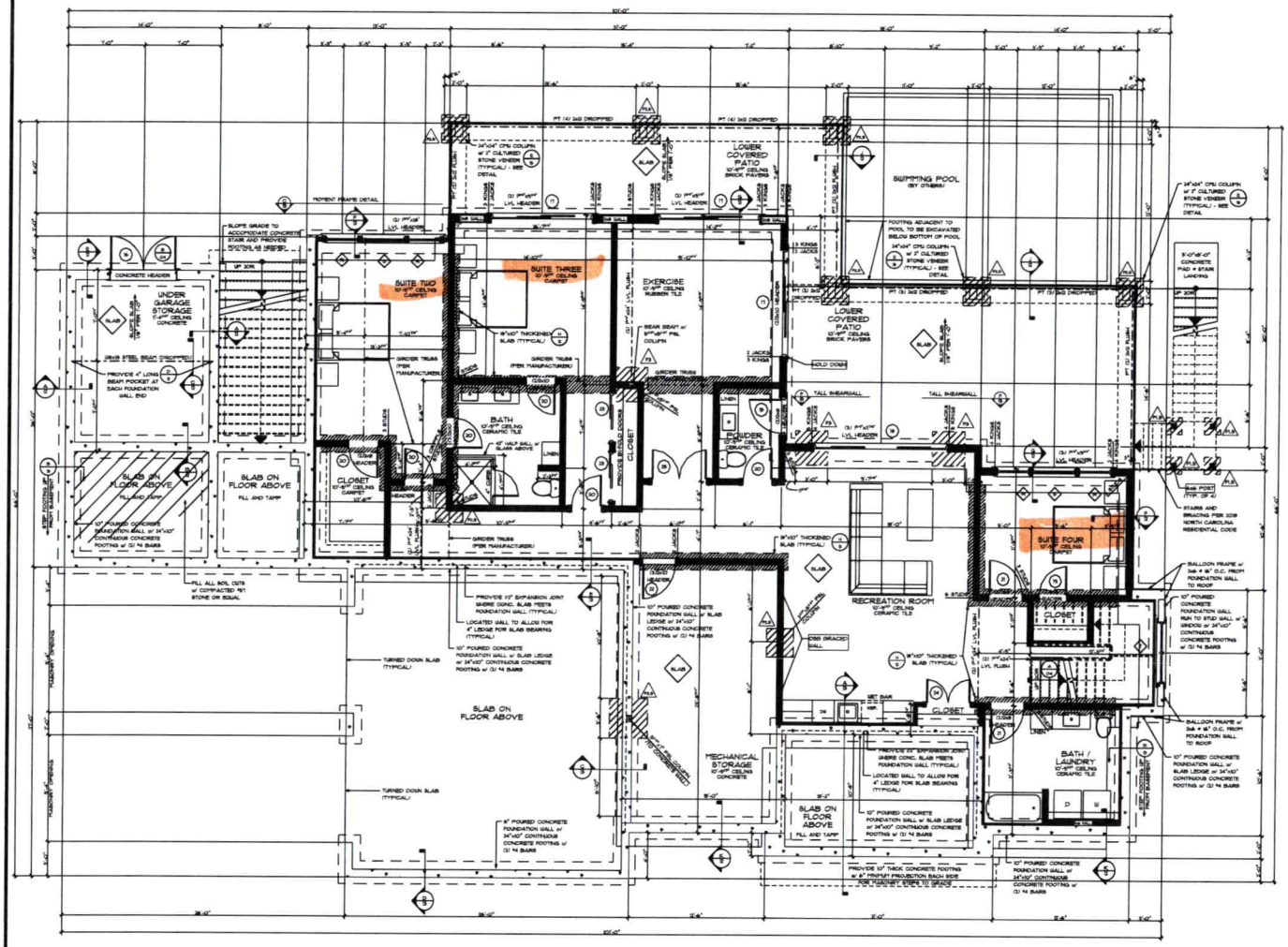
PROJECT NO: 2021-132
DATE: 6/24/2022
REVISIONS:

DRAWN BY: S. MCGHEE

COPYRIGHT
KHH RESIDENTIAL DESIGNS AUTHENTICATES THIS PLAN TO BE BUILT ONE TIME BY THE ORIGINAL PURCHASER. ANY MODIFICATIONS OR REUSE OF THIS PLAN IS PROHIBITED

SHEET TITLE
FIRST FLOOR PLAN

06
SHEET 06 OF 18



NOTE: EXTERIOR DIMENSIONS REFER TO OUTSIDE OF SHEATHING

SLAB — 4" CONCRETE SLAB (3000 psi) w/ 6x6 10/10 WWF, on 6 mil. POLY VAPOR BARRIER on 4" GRAVEL. PROVIDE TERMITE TREATMENT BELOW ALL CONCRETE SLABS OR BORATE ON THE WOOD FRAMING (TYP.)

FOUNDATION STRAP — SECURE MAIN LEVEL STUDS TO RIM BOARD BELOW WITH VERTICAL SIMPSON LSTA36 STRAP OR 24" LONG CS16 (MIN.) COIL STRAP.

OSB BRACED WALL — CONTINUOUSLY SHEATHE ONE SIDE OF INTERIOR WALL (FULL HEIGHT) W/ 7/16" OSB FASTENED TO STUDS W/ 8d NAILS @ 6" o.c. ALONG PANEL EDGES AND 12" o.c. IN FIELD. SEE PLANS FOR CONNECTION DETAILS.

HOLD-DOWN — SECURE STUDS TO FOUNDATION WITH SIMPSON HDU4-SDS HOLD-DOWNS WITH 5/8" DIA. THREADED ROD DRILLED AND EPOXY SET 12" INTO SOLID GROUTED CMU OR CONC.

6x6 POST — 6x6 PT POST WITH TWO SIMPSON LCE4 CAPS AT CORNER POSTS AND TWO SIMPSON ACE CAPS AT INTERMEDIATE POSTS (BLOCK AS NEEDED). IF WOOD FRAMING BELOW, REQUIRE WITH SAME CAPS AT BOTTOM. IF CONC. OR MASONRY BELOW, SECURE WITH SIMPSON ABU66Z BASE WITH 1/2" DIA.x6" TITEN HD ANCHOR BOLTS OR EQUAL.

FOUNDATION NOTES

(SEE SHEET 3 FOR ADDITIONAL NOTES)

1. ALL PERIMETER WALL FOOTINGS SHALL BE CONTINUOUS 24"x12" MINIMUM WITH (3) #4 REBAR, 3000 PSI CONCRETE U.N.O.
2. ALL INTERIOR THICKENED SLABS SHALL BE 12"THICK.
3. BEARING CAPACITY OF SOIL IS ASSUMED TO BE 2000 PSF.
4. BASEMENT FOUNDATION WALLS TO BE 10" THICK POURED IN PLACE REINFORCED CONC. PER PLAN DETAILS. TOP OF BASEMENT WALL IS NOT TO BE STEPPED DOWN UNLESS UNBALANCED BACKFILL IS LESS THAN 48".
5. CONCRETE WALL CONTRACTOR TO LOCATE WALL TO ALLOW FOR 4" LEDGE AT LOCATIONS IN GARAGE AND PORCH FOR BRICK LEDGE SUPPORT. ALL OVEN CUT AREAS UNDER FUTURE SLABS TO BE FILLED WITH "#1" SELF COMPACTING STONE OR EQUAL.
6. "SLAB" SHALL CONSIST OF 4" THICK 3000 PSI CONCRETE WITH FIBERMESH REINFORCEMENT ON 6MIL 10.4X10.4 MVP, OVER 6 MIL VAPOR BARRIER OVER 4" CLEAN STONE OVER COMPACTED FILL. IN GARAGES AND DRIVEWAYS INSTALL TOOTHED CONTROL JOINTS NO GREATER THAN 12 FEET IN EACH DIRECTION. ALL SLABS TO HAVE ½" EXPANSION JOINT BETWEEN SLAB AND FOUNDATION WALLS.
7. RETAINING WALLS TO BE 10" THICK POURED IN PLACE CONCRETE REINFORCED PER PLAN DETAILS BASED ON RETAINED SOIL HEIGHT.
8. ALL BOLTS AND FILL UNDER FLOORS WITHIN AND/OR UNDER BUILDINGS SHALL HAVE PRECONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST TERMITES. CERTIFICATION OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.
9. SUPPORT ALL MASONRY STEPS OVER 9" THICK CONC. FOOTING WITH 4" PROJECTION FROM MASONRY. WHERE FOOTINGS FOR STEPS ARE NOT ABLE TO BEARING ON VIRGIN SOIL, CONSTRUCT 10" CONC. LUG SILLS LONG ENOUGH TO SUPPORT FULL WIDTH OF ABOVE FOOTING (AT 45° MAX.) OVER TYPICAL BASEMENT SILL FOOTING.
10. ■ INDICATES CONCENTRATED POINT LOADS (SEE SHEET 3) INSTALL SOLID BLOCKING EQUAL TO THE THICKNESS OF STUDS ABOVE, BETWEEN DROPPED GIRDERS OR FOUNDATION WALL. I THE FLOOR SHEATHING. FILL WITH LIBRA W/ SOLID BLOCKING WHERE REQUIRED.

FOOTING SCHEDULE

F1.5	36"x18"x12"
F2	24"x12"x12"
F2.5	30"x100"x12"
F3	36"x36"x12" WITH 4 #4 BARS EACH WAY
F3.5	42"x42"x12" WITH 5 #4 BARS EACH WAY
F4	48"x48"x12" WITH 7 #4 BARS EACH WAY

11. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE

• VERIFY ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER

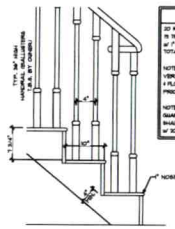
LOWER LEVEL DOOR SCHEDULE

ID	QTY	DOOR W	DOOR HT	GLZ	NOTES
10	1	3'-0"	8'-0"	TEMP.	SINGLE EXTERIOR w/ GLASS PANEL DOOR UNIT - TEMPERED
16	1	6'-0"	8'-0"		TWIN 36" EXTERIOR TWO PANEL DOOR UNIT
17	3	9'-0"	8'-0"	TEMP.	TRIPLE 36" EXTERIOR SLIDING GLASS DOOR UNIT - TEMPERED
18	1	12'-0"	8'-0"	TEMP.	QUAD 36" EXTERIOR SLIDING GLASS DOOR UNIT - TEMPERED
19	1	2'-6"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR UNIT
20	6	2'-6"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR UNIT
21	2	3'-0"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR UNIT
22	1	3'-0"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR UNIT w/ WEATHER STRIPPING & THRESHOLD
23	2	4'-0"	8'-0"		TWIN 24" INTERIOR SLIDING BYPASS CLOSET DOORS
24	1	4'-0"	8'-0"		TWIN 24" INTERIOR TWO PANEL DOOR UNIT
25	1	5'-0"	8'-0"		TWIN 30" INTERIOR TWO PANEL DOOR UNIT

• VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

LOWER LEVEL WINDOW SCHEDULE

ID	QTY	SIZE W	SIZE HT	NOTES
15	4	5'-0"	5'-0"	SINGLE DOUBLE HUNG WINDOW UNIT
8	2	4'-0"	5'-0"	SINGLE FIXED WINDOW UNIT
7	1	8'-0"	5'-0"	SINGLE FIXED WINDOW UNIT

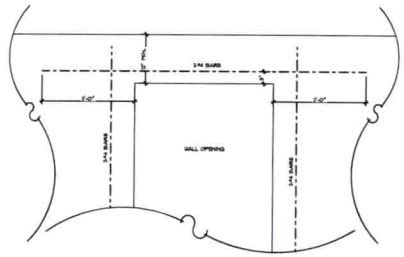


STAIR SPECS:
10 RISERS @ 7 3/4" EACH
9 TREADS @ 10" EACH
w/ 1" NOSING
TOTAL RISE: 5' - 10 1/4"

NOTE:
•VERIFY ACTUAL CONDITIONS & FLOOR FINISH MATERIALS PRIOR TO STAIR FABRICATION.

NOTE:
GUARD RAILS & HANDRAILS SHALL BE IN COMPLIANCE W/ 2018 RESIDENTIAL CODE

(A) LOWER LEVEL STAIR DETAIL
SCALE: 1" = 1'-0"



(B) CONCRETE OPENING DETAIL
SCALE: 1" = 1'-0"

SQUARE FOOTAGE

ALL FOOTAGE CALCULATED TO STUD

FIRST FLOOR HEATED	2,661
LOWER LEVEL HEATED	2,178
TOTAL HEATED	4,849
COVERED BREEZEWAY UNHEATED	87
COVERED ENTRY UNHEATED	150
LOWER COVERED PATIO UNHEATED	784
MECHANICAL ROOM UNHEATED	100
ONE-CAR GARAGE UNHEATED	364
TWO-CAR GARAGE UNHEATED	693
UNDER GARAGE STORAGE UNHEATED	178
UNFINISHED ATTIC STORAGE	726
UPPER COVERED TERRACE UNHEATED	370
TOTAL UNDER ROOF	8,462

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

K&H RESIDENTIAL DESIGN
KHRESIDENTIALDESIGNS.COM
704-728-0505
N·C·B·D·C
ENGINEER:
NORTH CAROLINA PROFESSIONAL SEAL 21320 ENGINEER CHAD T. RITTER
IDE INTELLIGENT DESIGN ENGINEERING

THE SHUCKERMAN RESIDENCE

251 BARBEE LOOP
MORRISVILLE, NORTH CAROLINA

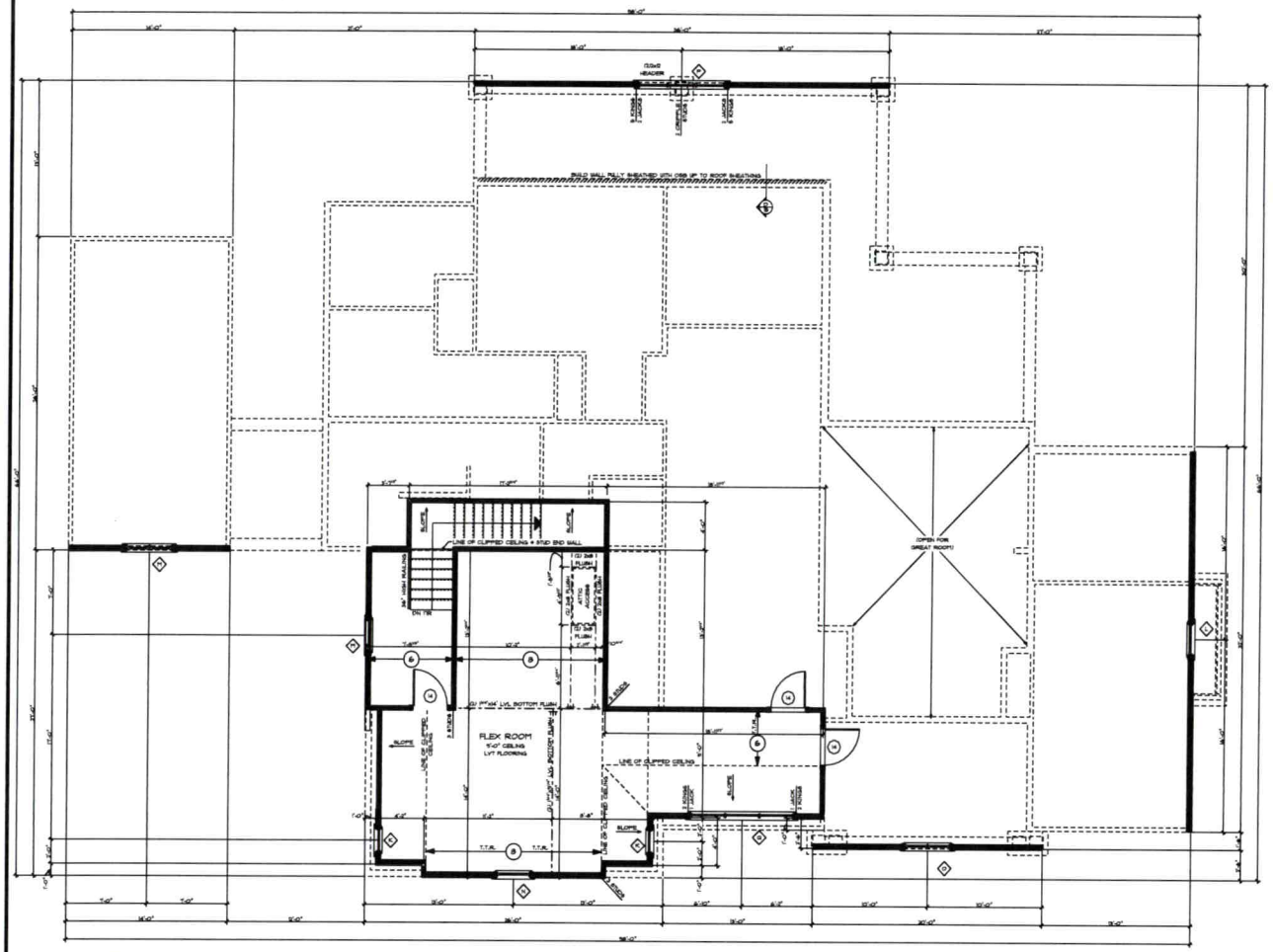
NOTICE: ARCHITECTURAL CONSTRUCTION TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD — NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY

HomeBuilder BBB ACCREDITED BUSINESS
MEMBER AIBD AMERICAN INSTITUTE OF BUILDING DESIGN
PROJECT NO: 2021-1132
DATE: 6/24/2022
REVISIONS:
DRAWN BY: S. MCGEHEE

COPYRIGHT
K&H RESIDENTIAL DESIGNS
AUTHORIZES THIS PLAN TO BE BUILT ONE TIME BY THE ORIGINAL PURCHASER — NOTIFICATION OR REUSE OF THIS PLAN IS PROHIBITED

SHEET TITLE
LOWER LEVEL FLOOR PLAN

04
SHEET 04 OF 18



SECOND FLOOR DOOR SCHEDULE

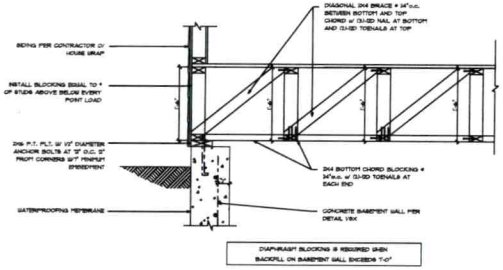
* VERIFY ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER

ID	QTY	DOOR W	DOOR HT	GLZ	NOTES
14	3	3'-0"	8'-0"		SINGLE EXTERIOR INSULATED TWO PANEL DOOR w/ WEATHER STRIPPING + THRESHOLD

SECOND FLOOR WINDOW SCHEDULE

* VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

ID	QTY	SIZE W	SIZE HT	NOTES
K	3	2'-0"	3'-0"	SINGLE FIXED WINDOW UNIT
L	1	2'-8"	4'-6"	SINGLE FIXED WINDOW UNIT
M	1	2'-8"	5'-0"	SINGLE DOUBLE HUNG WINDOW UNIT
N	1	3'-0"	5'-0"	SINGLE DOUBLE HUNG WINDOW UNIT
O	1	4'-0"	3'-0"	TWIN 24" FIXED WINDOW UNIT
P	1	7'-8"	4'-0"	TRIPLE 30" FIXED WINDOW UNIT
Q	1	9'-0"	3'-0"	TRIPLE 36" FIXED WINDOW UNIT



DIAPHRAGM BLOCKING IS REQUIRED WHEN BACKFILL ON BASEMENT WALL EXCEEDS 7'-0"

(A) BLOCKING BETWEEN TRUSSES DETAIL

SCALE: 1" = 1'-0"

FLOOR PLAN CONSTRUCTION NOTES

(SEE S-SERIES FOR ADDITIONAL NOTES)

1. "T.T.R." INDICATES "TIE CEILING JOIST TO RAFTER WITH FOUR 3"X10.28" NAILS"
2. ALL LOAD- BEARING HEADERS SHALL BE (2)2X6 SPF#2 UNLESS NOTED OTHERWISE ON THE PLAN.
3. WHERE OPENINGS ARE NOT INDICATED, BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE PLANS FOR DIMENSIONS TO WALLS.
4. ALL WALLS UP TO 10'-0" FT. TALL SHALL BE MIN. 2X4 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. WALLS BETWEEN 10'-0" AND 13'-0" TALL SHALL BE A MIN. OF 2X6 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY NOTED ON THE PLAN.
5. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN.

HEADER SIZE	SIMPSON HANGERS
(1) 2x8	LUS 28-2
(2) 2x10/(1) 2x12	LUS 210-3
(3) 2x10, (2)+ 2x12	LUS 210-3
(1) 7 1/4" X 9 1/4" LVL	HUS 410
(2) 7 1/4" X 7 1/4"-14" LVL	HUS 412
(2) 7 1/4" X 16"-24" LVL	HHUS 412
ALL TRIPLE LVLs	HHUS 5.50/10

6. NOTE: FILL ALL OF THE HOLES IN BEAM HANGERS WITH 8d x 1 1/2" COTTON NAILS (.131"Ø, 0.262") OR 10d x 1 1/2" (.148"Ø, 0.362") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10d x 1 1/2" HANGER NAILS 4" OR SMALLER UNLESS NOTED ON PLAN OR IN SITUATIONS WHERE ONLY 1 1/2" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
7. "LVL" AND GLU-LAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2x4 OR (3)-2x6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.
8. ■ INDICATES POINT LOADS. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS - WHETHER WOOD OR STEEL-CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2x4 SQUASH BLOCKS (B.B.) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION SILL ON LOWER PLATE. RIM BOARDS AND JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR LISTED "S.S." ◎ INDICATED ON THE PLAN.

NUMBER OF KING STUDS REQUIRED ON OPENING WIDTH

Roof Loads	
LESS THAN 3'-0"	+ 1 KING
3'-0" TO 6'-0"	+ 2 KINGS
6'-1" TO 9'-0"	+ 3 KINGS
9'-1" TO 12'-0"	+ 4 KINGS
OVER 12'-0"	+ SEE PLAN

Floor Loads	
LESS THAN 5'-0"	+ 1 KING
5'-1" TO 10'-0"	+ 2 KINGS
GREAT THAN 10'-0"	+ SEE PLAN

9. "SCREWED", FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 3" LONG FLATLOK OR SIMPSON SDS SCREWS @ 16" o.c. AND FOUR PLY LVLs WITH TWO ROWS OF 4" FLATLOK SCREWS @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 5" FROM THE TOP OR BOTTOM OF THE BEAM.
10. FASTEN FIRST KING STUD TO LUMBER HEADER WITH AT LEAST THREE 8x4 (2"THICK) 8d'S IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE OTHER WITH TWO ROWS OF 3"x0.09" NAILS AT 9"o.c. SEE TABLE 1.B FOR NUMBER OF KING STUDS REQUIRED IF NOT NOTED ON PLANS.
11. CONTRACTOR TO PROVIDE MINIMUM 22"x30" ACCESS TO ATTIC.
12. PROVIDE 1/2" DRYWALL SEPARATION BETWEEN WALL # 5/8" TYPE X DRYWALL AT CEILING OF HOUSE & GARAGE
13. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE
14. BUILD UP FLOOR AREAS AS REQUIRED TO HAVE FLUSH FLOOR FINISHES AT DIFFERENT FLOOR FINISHING MATERIALS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING
16. T.T.R. INDICATES "TIE CEILING JOIST TO RAFTER WITH FOUR 3"x10.28" NAILS.

NOTES & SUPPORTING MASONRY VENEERS

SEE TABLE R703.8.3.1 FOR SIZE OF STEEL LINTEL FOR A SPAN SPAN (SP TO SP) FOR SPANS GREATER THAN 12' (OR WHERE SHOWN ON PLANS BY "LINTEL NOTE) FASTEN L4"x3"x5/16" STEEL ANGLE TO WOOD HEADER WITH 1/4" DIA. X4" LAG SCREW @ 9"o.c. EXTEND ALL ANGLES 8" PAST OPENING TO BEAR ON MASONRY VENEER AT ENDS. SUPPORT ALL BRICK CLIPS PER DETAIL ON PLANS OR R703.8.2 AND FIGURE "703.8.2.1

NOTE: EXTERIOR DIMENSIONS REFER TO OUTSIDE OF SHEATHING

BRACED WALL LINE NOTE

THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING DIAGONAL WALL BOARD SHEATHING FOR EXISTING PORTION OF STRUCTURE. NEW PORTIONS OF THIS STRUCTURE HAVE BEEN ANALYZED FOR CONTINUOUSLY SHEATHED "L" ORB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

WHERE BRACED WALLS DO NOT MEET THE PRESCRIPTIVE REQUIREMENTS OF SECTION R602.10 OF THE CODE, IT HAS BEEN ANALYZED BY ENGINEERING ANALYSIS INCORPORATING ENGINEERED LATERAL BRACING ELEMENTS WHERE NEEDED TO MEET THE INTENT OF THE CODE. SEE PLANS FOR ALL NOTES AND DETAILS.

CEILING JOISTS DESIGNATION

(B) 2x8 SPF#2 @ 16" o.c. CEILING JOISTS
(C) 2x6 SPF#2 @ 16" o.c. CEILING JOISTS

SQUARE FOOTAGE

ALL FOOTAGE CALCULATED TO STUD

FIRST FLOOR HEATED	2,461
LOWER LEVEL HEATED	2,008
TOTAL HEATED	4,569
COVERED BREEZEWAY UNHEATED	87
COVERED ENTRY UNHEATED	150
LOWER COVERED PATIO UNHEATED	784
MECHANICAL ROOF UNHEATED	305
ONE-CAR GARAGE UNHEATED	361
TWO-CAR GARAGE UNHEATED	698
UNDER GARAGE STORAGE UNHEATED	78
UNFINISHED ATTIC STORAGE	726
TOTAL UNDER ROOF	8,462

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

K&H RESIDENTIAL DESIGN
KHRESIDENTIALDESIGNS.COM
704-728-0505
N·C·B·D·C
ENGINEER:
NORTH CAROLINA PROFESSIONAL SEAL 21300 ENGINEER CHAD T. RITTER
IDE INTELLIGENT DESIGN ENGINEERING

THE SHUCKAMAN RESIDENCE

251 BARBEE LOOP
MORGANTON, NORTH CAROLINA

INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE
CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD - NOTIFY DESIGNER OF ANY DISCREPANCIES IMMEDIATELY

HomeBuilder BBB ACCREDITED BUSINESS MEMBER AIBD

PROJECT NO: 2021-1132
DATE: 6/24/2022
REVISIONS:

DRAWN BY: S. MCGEHEE

COPYRIGHT
K&H RESIDENTIAL DESIGNS AUTHORIZES THIS PLAN TO BE BUILT ONE TIME BY THE ORIGINAL PURCHASER. MODIFICATIONS OR REUSE OF THIS PLAN IS PROHIBITED

SHEET TITLE
SECOND FLOOR PLAN

08

P.D. $350.00

Expedited Rev.

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE
OR IT WILL NOT BE PROCESSED AP 322805

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

Rec'd 12/6/21

Application For: (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

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: Tim Whelan **Address:** P.O. Box 4419 Mooresville **Zip:** 28117
Applicant Email: timwhelan@whelanhomes.net **Phone:** 704-400-8932 **Alt. Phone:** 704-662-6460
Owner Name: Michael & Aimee Shugarman **Address:** _____ **Zip:** _____
Owner Email: _____ **Phone:** 704-400-8932 **Alt. Phone:** _____

Property Information:

Street Address: 231 Barber Loop Mooresville NC 28117 Parcel ID # 4626104538.000
Subdivision Name: CL+T **Section/Phase:** 7 **Lot Number:** 151
Driving Directions: Brawley School Road to right on Chuckwood Road. Follow to Left on BArber Loop . Follow Barber Loop approximately 1-2 Miles . Lot on Left

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) 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: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
(X) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
(X) 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 (X) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:
( ) Yes (X) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (X) No **Is the site subject to approval by any other public agency?**

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: Tim Whelan / T. Whelan Homes Inc. 10/26/2021
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

(Check and sign only ONE of the options below)

☐ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

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.

☒ **2.** I, Michael & Aimee Shugarman, am the legal owner(s) of the property located at 231 Barber Loop Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4626104538.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Tim Whelan with T. Whelan Homes Inc. _____, 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.

X _____
Signature of Owner(s)

10/26/2021
Date

Mooresville - Environmental Health

Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

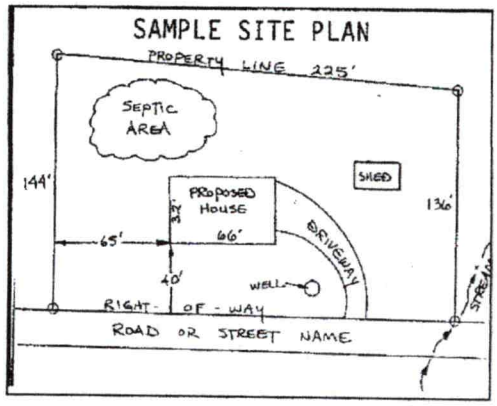
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *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 PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

- (X) **Property Line measurements are clearly identified**
- (X) **All proposed structures are indicated**
- (X) **Front and side setbacks from property line**
- (X) **Preferred driveway location and well location**
- (X) **Area you prefer your septic system to be placed**
- (X) **North arrow, or other sufficient indicator of direction**

Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	**N/A**
Location of easements and rights of ways on your property	**N/A**
Location of any designated wetlands on the property	**N/A**

USE THIS SPACE TO DRAW YOUR SITE PLAN

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

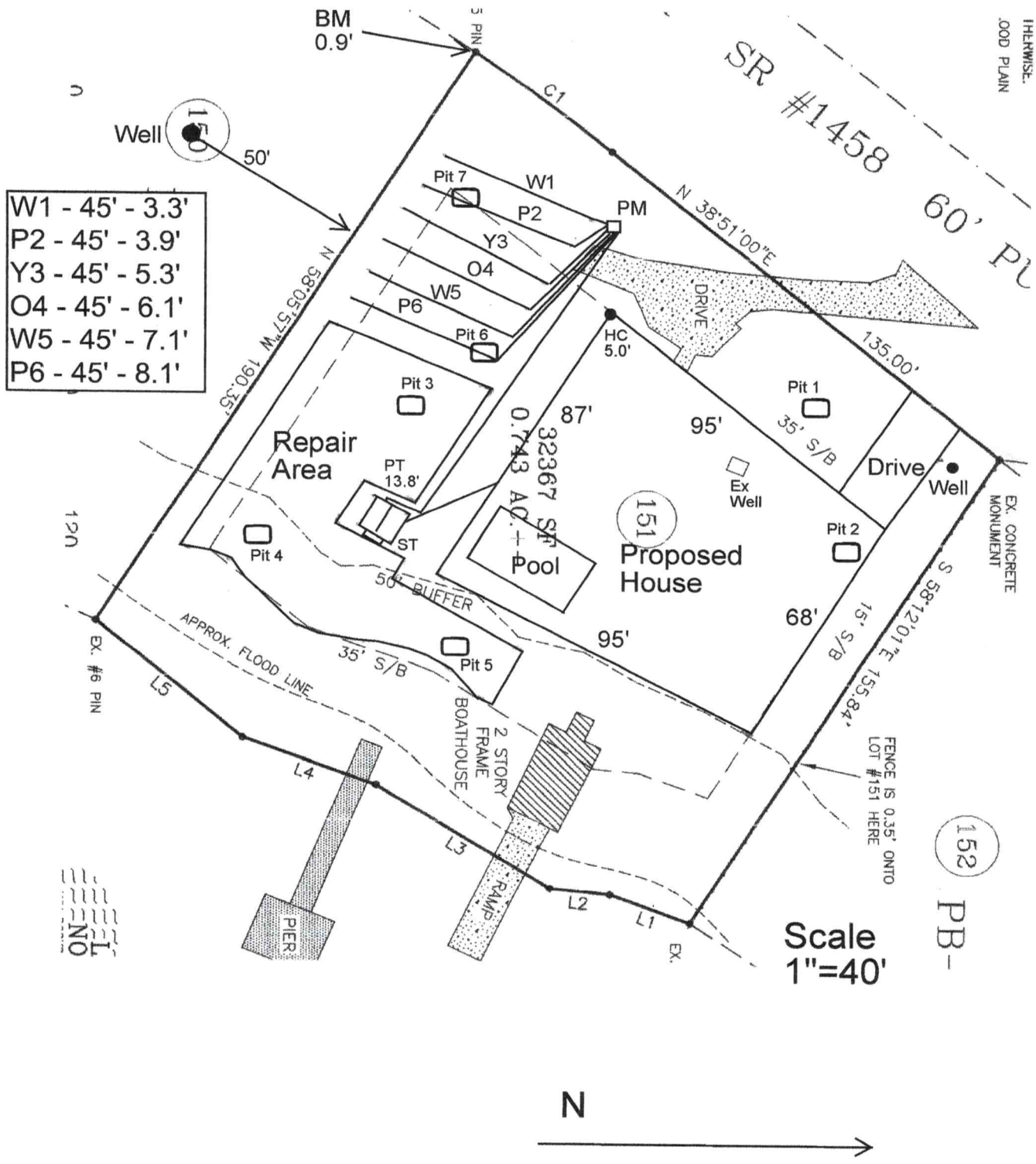
See Survey

Signature: Tim Whelan / T. WHelan Homes Inc

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

10/26/2021

DATE


BM
0.9'
Well
150
50'
W1 - 45' - 3.3'
P2 - 45' - 3.9'
Y3 - 45' - 5.3'
O4 - 45' - 6.1'
W5 - 45' - 7.1'
P6 - 45' - 8.1'
SR #1458
60' PU
C1
N 38°51'00"E
135.00'
PM
Pit 7
W1
P2
Y3
O4
W5
P6
Pit 6
HC
5.0'
DRIVE
Pit 3
Repair
Area
PT
13.8'
ST
Pit 4
87'
95'
0.743 AC. ± 32367 SF
Pool
Pit 1
35' S/B
Drive
Well
Ex
Well
151
Proposed
House
Pit 2
68'
95'
50' BUFFER
APPROX. FLOOD LINE
35' S/B
Pit 5
15' S/B
S 38°12'01"E 155.84'
EX. CONCRETE
MONUMENT
EX. #6 PIN
L5
L4
L3
L2
L1
EX.
2 STORY
FRAME
BOATHOUSE
RAMP
PIER
FENCE IS 0.35' ONTO
LOT #151 HERE
152
Scale
1"=40'
N

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

*** Initial all lines below to indicate you have submitted each form and completed every site requirement ****

TLW **Complete all Environmental Health forms**:

TLW Application
TLW Site Plan including the dimensions of proposed structure, addition, pool etc.
TLW Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
TLW Copy of Zoning Permit when applicable
TLW Sign this sheet after you have completed all items

TLW **Lot must be cleared of heavy undergrowth**. In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with 50 feet of visibility in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

TLW **Clearly mark all property corners by locating existing iron or concrete markers.** Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only). 'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

TLW **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted**. The propos structure, etc. must be staked out on the property as per the site plan.

TLW **If an Authorization to Construct (AC) is desired,** submit a recorded copy of the plat for newly created or subdivided lot(s) a a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application. *Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are nonrefundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.*

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.

- All utilities shall be marked before pits are dug. Call NC 811 for this service.
- The applicant/agent is responsible for securing these services
- Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.
- The EH specialist will contact you when your application is ready to be processed for pit scheduling.
- Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.

By signing below, I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature Tim Whelan / T. Whelan Homes Inc. **Date** 10/26/2021

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625