ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR-2022-5795

PERMIT : OSWP 2022-5797

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

PIN # 4725-77-0995

APPLICANT/OWNER: Charles Douthit

APPLICANT ADDRESS: 149 Laurel Heights Dr #308 Mooresville, NC 28117

SITE ADDRESS: 128 Bird Haven Dr, Statesville, NC 28623

PHONE: (704)-533-0869 ALT. PHONE

SITE DIRECTIONS: Miller Farm, Dove Meadow, Bird Haven

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: 240 Miller Farm Rd ✓ SECTION: - LOT # 1 LOT AREA: 1.1 DESIGN FLOW: 360

L.T.A.R.(Initial): .275 L.T.A.R (Repair): .275

Septic Tank 1000 (gal) STB 760 Date 1/20/24

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 3 Linear Ft 328 ft

Trench Width 36 in *Max. Trench Depth(Initial) 24 in *Max. Trench Depth(Repair) 24 in Gravel Depth N/A

* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

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

System Description: 25% Reduction

Repair System Description: 25% Reduction - Pump

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 36 in

Usable Depth to LC (Repair): 36 in

☑ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☑ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Limiting Condition

Water Supply

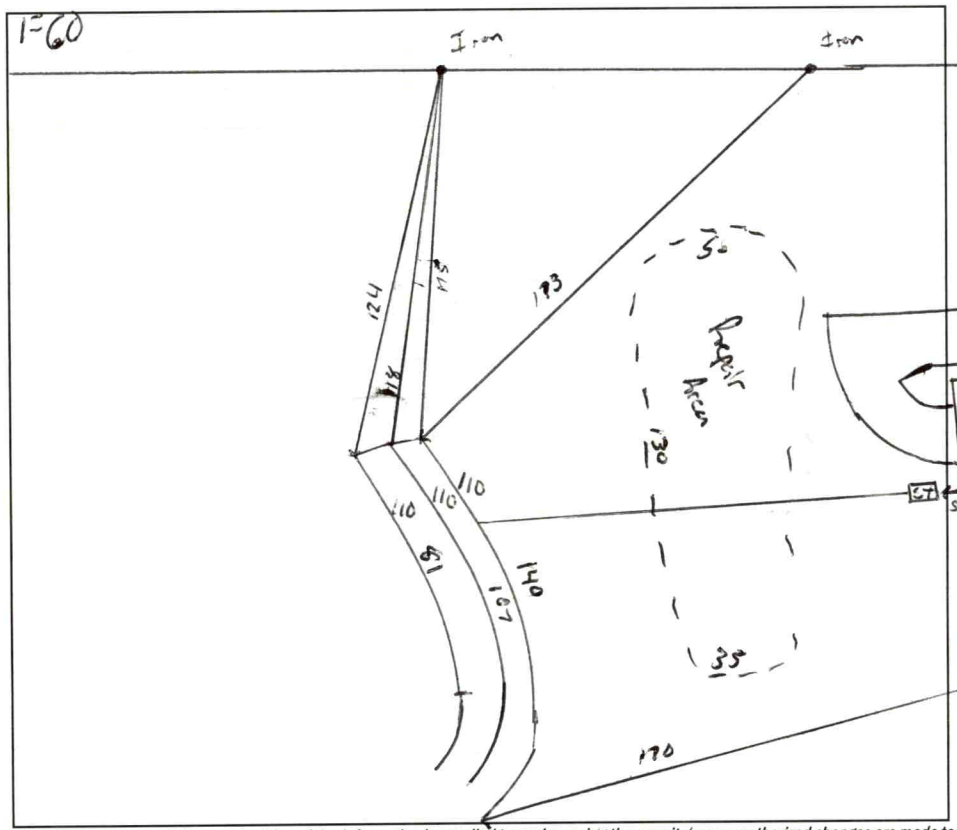
☐ Private

☑ Public

☐ Community

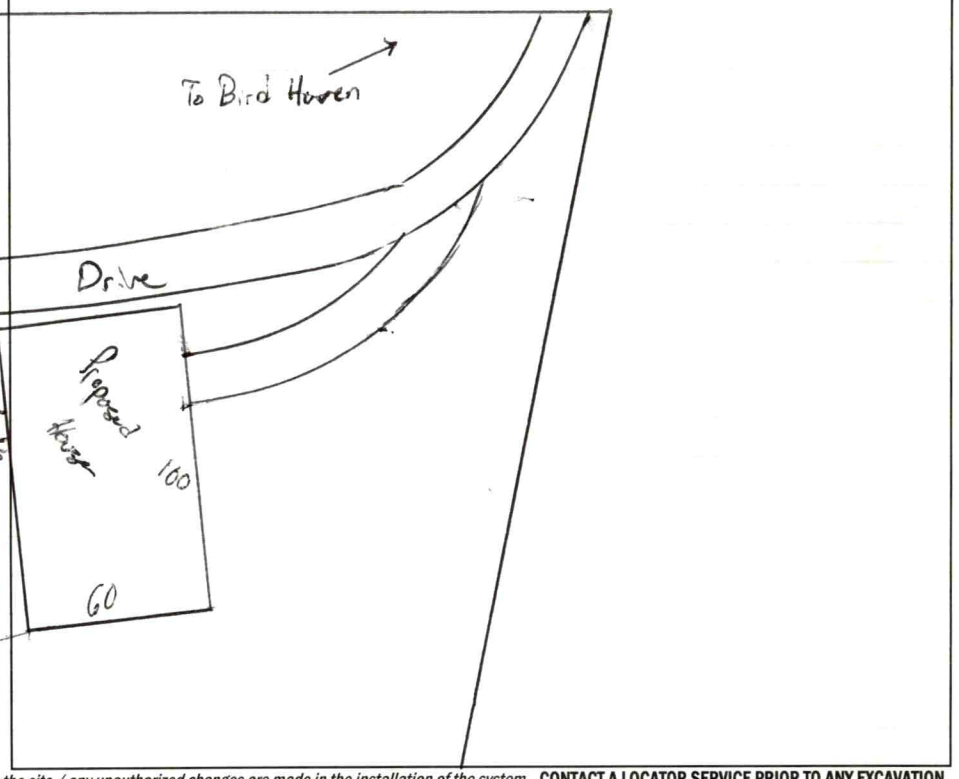
Comments / Conditions: Install on contour with 5ft centers. Do not drive, park or construct on septic area.

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.*

☑ **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: Steve Jordan

IMPROVEMENT PERMIT by: Matt Wiz Date: 3/12/24

OPERATION PERMIT by: Matt Wiz Date: 3/22/24

AUTHORIZATION TO CONSTRUCT by: Matt Wiz Date: 3/12/24

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? _____	

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

Sheet 1 of 2
PROPERTY ID #: 472577 0995
COUNTY: Iredell

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

OWNER: Charles Douthit
ADDRESS: 149 Lewis Heights Drive #308, Mooresville
PROPOSED FACILITY: SFR
LOCATION OF SITE: Lot 29 Bird Haven
APPLICATION DATE: 9/29/22
DATE EVALUATED: 10/29/22
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 1.1 Ac
PROPERTY RECORDED: no

WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 8%	0-12	SCL/SBKs	ss sp fr SE	2.5Y 7/3 10YR 6/2 at 23	27"	Sap inclusions in CL layer	-	PS .275 Below wetness
		12-32	C / WSBK	S fr SE					
		32-48	CL/ SBK	ss sp fr SE					
		48-60	↓		PB throughout C				
2	LS 6%	0-12	SCL / SBK	" " " "	—	43"	-	-	PS .3
		12-33	C / SBK	S fr SE					
		33-43	CL/ SBK	" " " "					
		43-48	weathered Rock						
3	LS 10%	0-8	SCL / SBK	" " " "	—	50"	-	weathered rock spot at 30" 4/4	PS .275
		8-35	C / SBK	S fr SE					
		35-50	CL / SBK	" " " "					
4	LS 8%	0-14	Plow	" " " "	YB in C Horizon likely due to rock in CL	42"	-	Rock fragments increase toward bottom of CL	PS .25
		14-30	C / SBK	S fr					
		30-42	CL / SBK	" " " "					
		42-50	Rock	-					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	28%	25%
Site LTAR	.275	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew Wilkinson
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

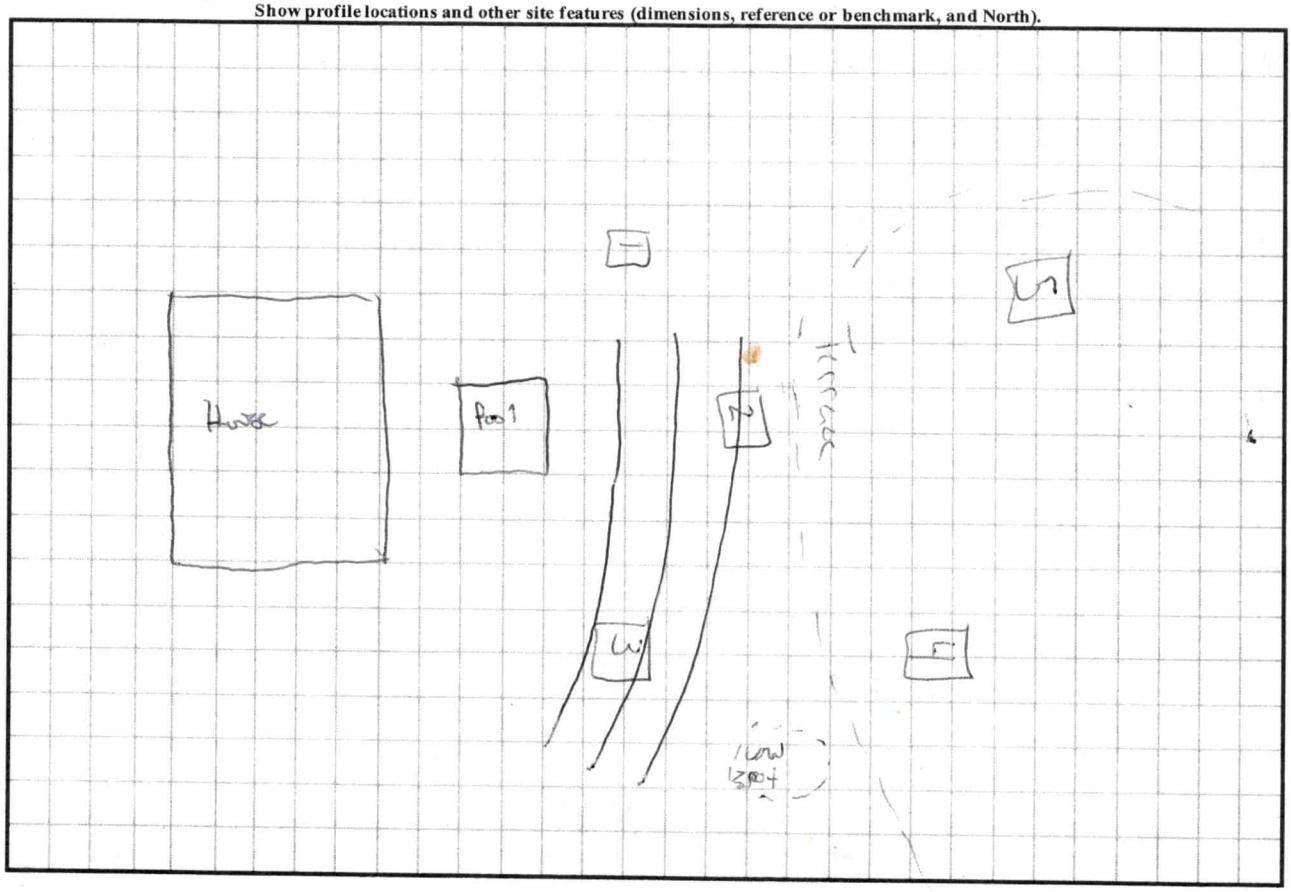
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



5) 0-12 SCL/G YB Sap PS
12-36 C /SBK at inclusions .275
36-50 CL /SBK 31 with YB

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

PROPERTY ID #:
COUNTY:

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

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 3/7/24
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: 129 Dove Meadows PROPERTY RECORDED: _____
WATER SUPPLY: Private Public 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) .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
6 1 .	Linear	0 - 11	PLOW SCL	SS SP FR SE	-	49	Heavy with at	SAP inc Litho inc 38"+	.275 PS Shallow
		11 - 27	C SBK	~~SS SP~~ SP FR SE					
		27 - 49	CL SBK	SS SP FR SE					
7 ~~8~~	Linear	0 - 12	PLOW SCL	SS SP FR SE					.3 PS
		12 - 33	C SBK	S P FR SE					
		33 - 55	CL SBK	SS SP FR SE					
8 ~~9~~	Linear	0 - 12	PLOW SCL	SS SP FR SE	Yellow/Browns at 24" and at 42"+ 10yr 6/3 at 46"	57	-	-	.25 PS
		12 - 30	C SBK	~~SS SP~~ FR SE					
		30 - 57	CL SBK	SS SP FR SE					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

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D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

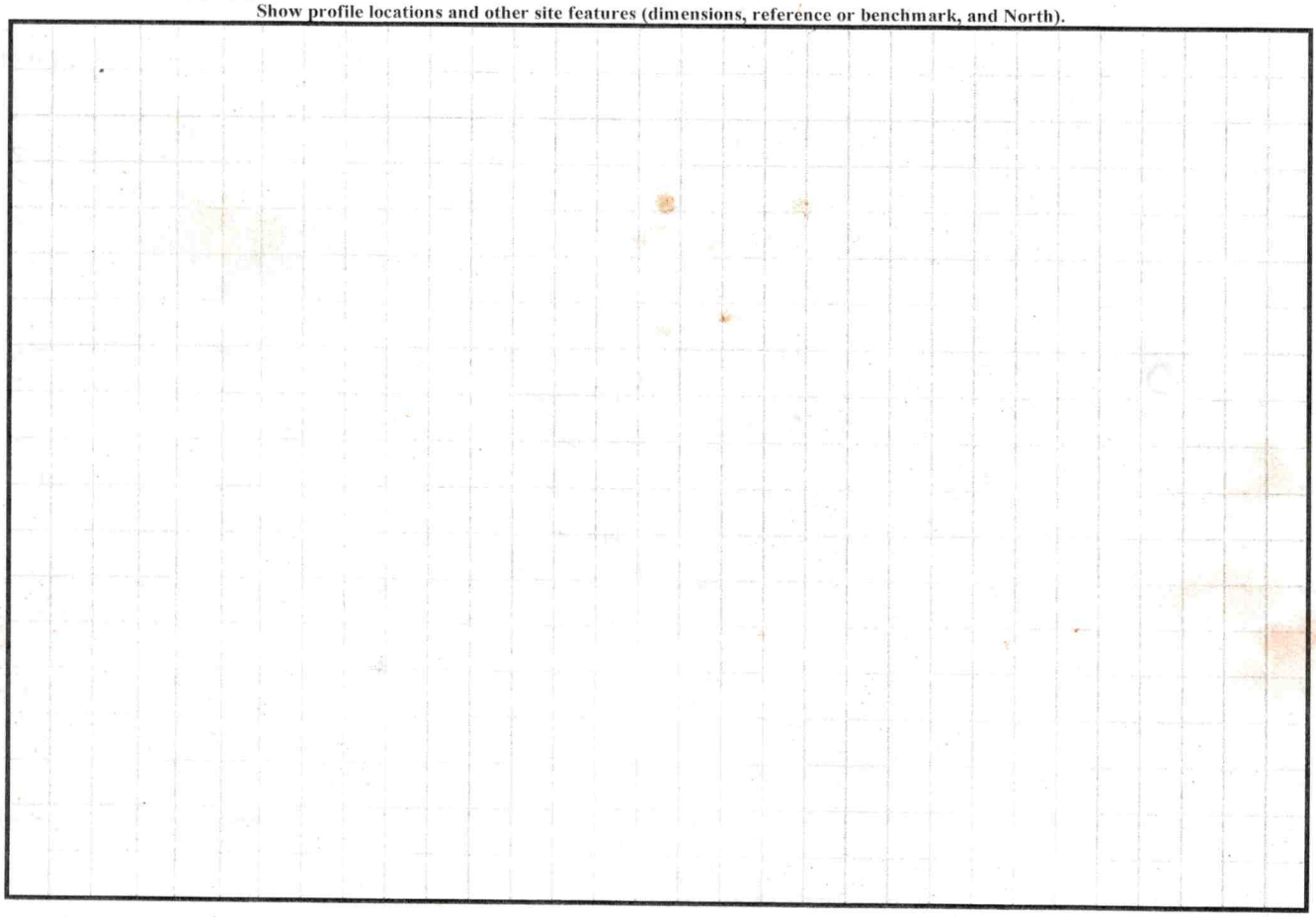
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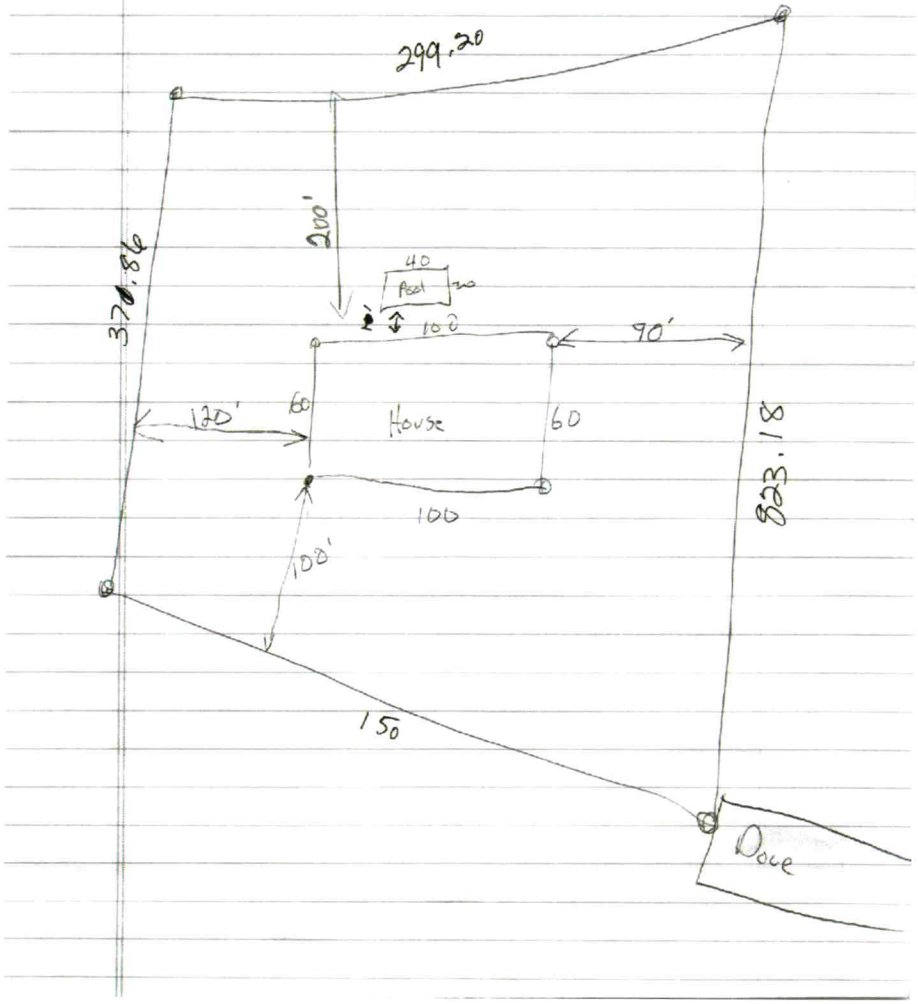


Charles + Rhonda Douthit
129 Bird Haven Drive
Statesville NC 28625

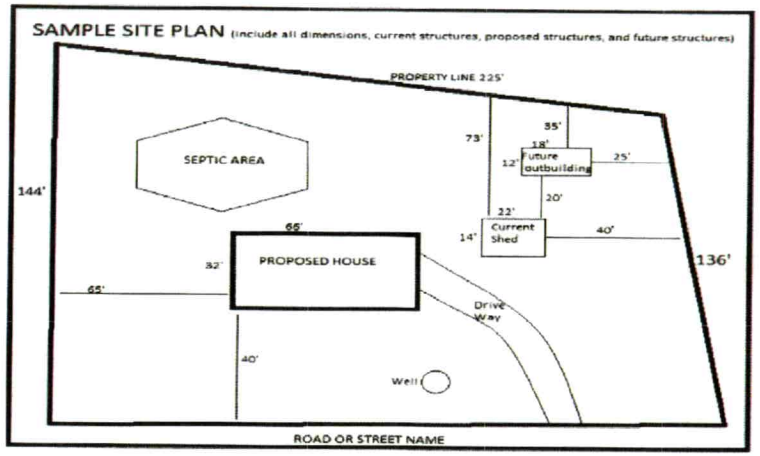
3BR

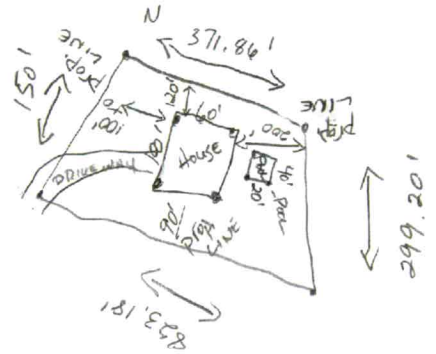
Slab

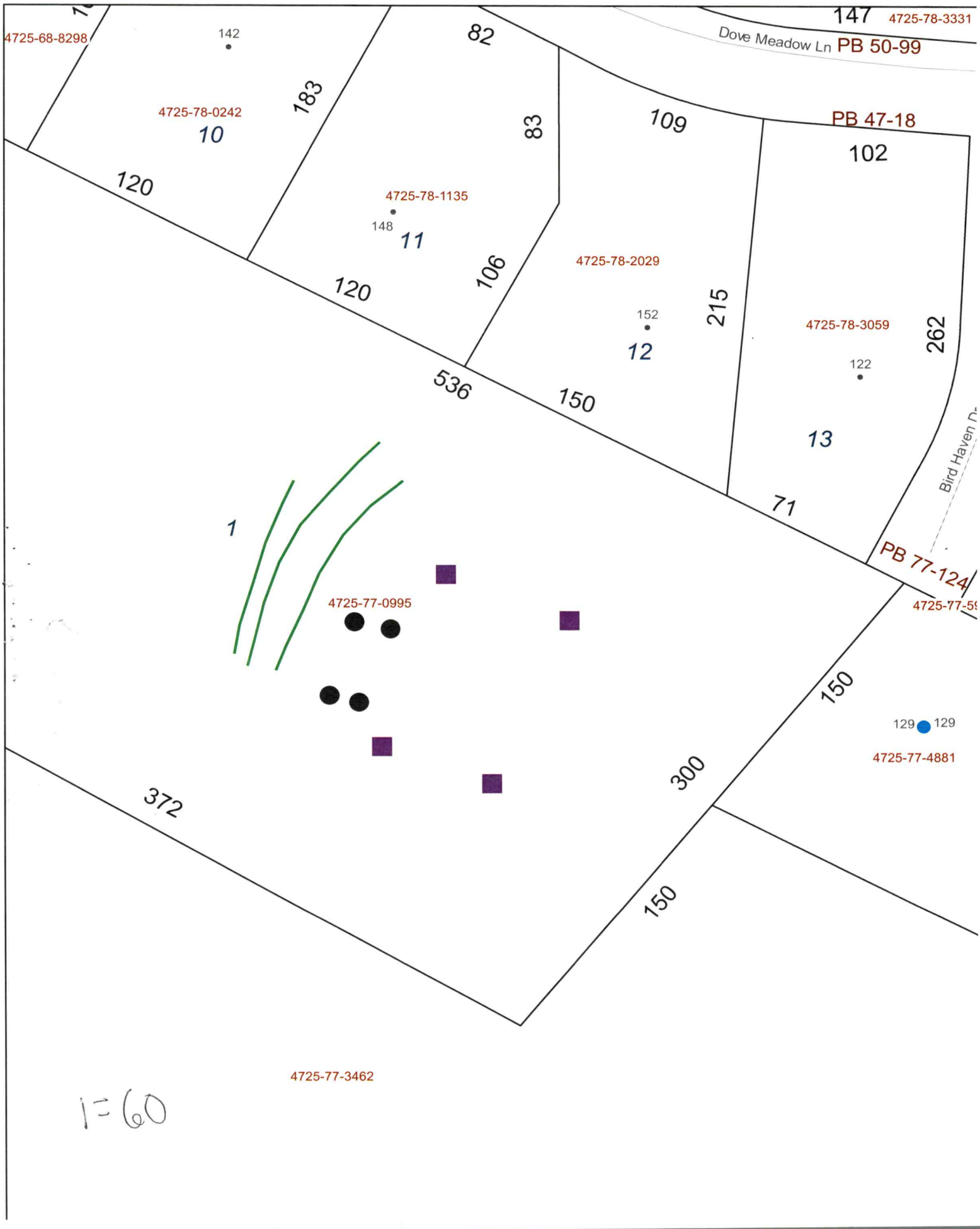
Public water



Site Plan Example:



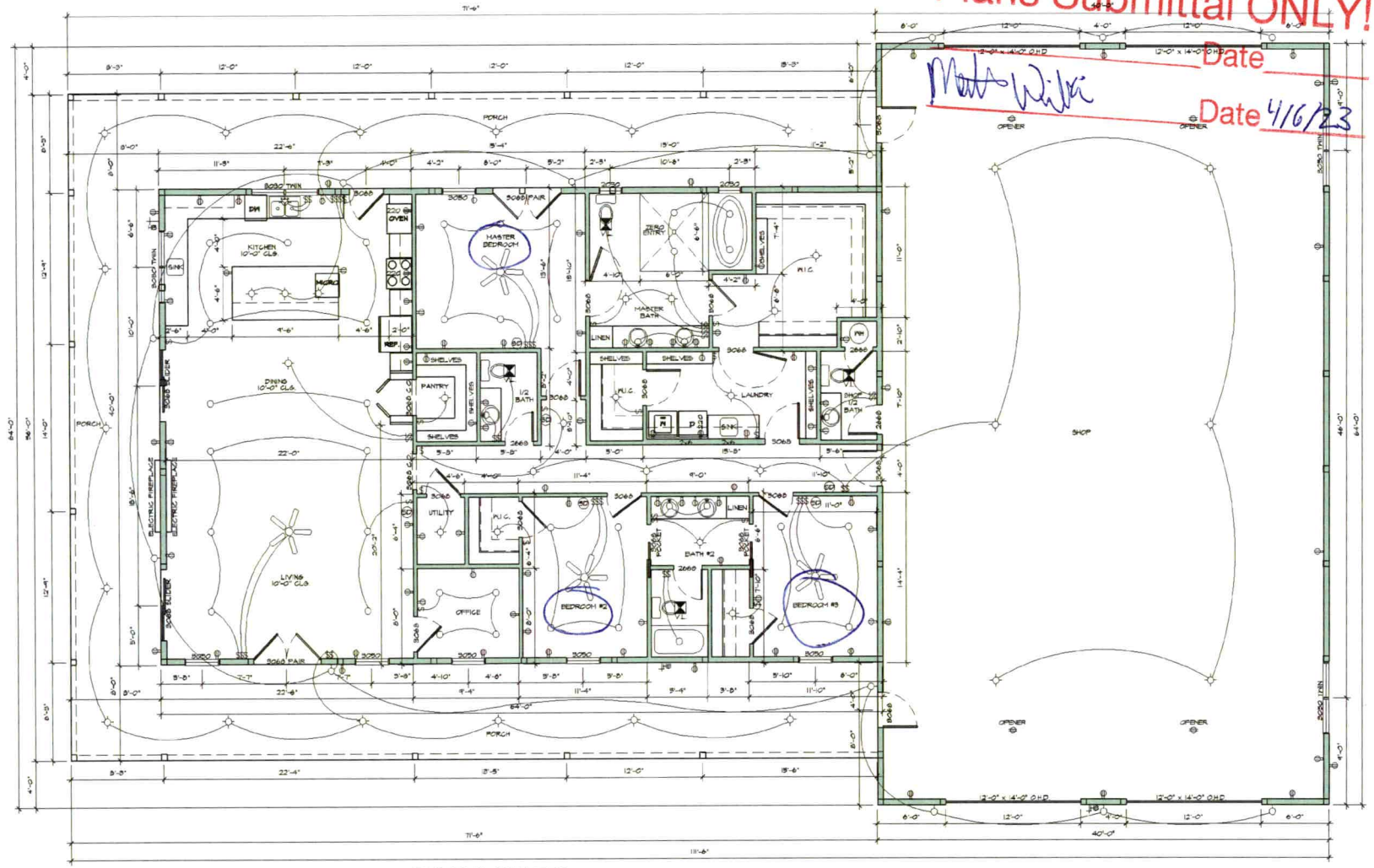



4725-68-8298
142
4725-78-0242
10
183
82
83
109
147
4725-78-3331
Dove Meadow Ln PB 50-99
PB 47-18
102
120
4725-78-1135
148
11
106
4725-78-2029
152
12
215
4725-78-3059
122
13
262
120
536
150
71
Bird Haven
PB 77-124
1
4725-77-0995
4725-77-59
150
129
129
4725-77-4881
300
372
150
4725-77-3462
1=60

Acknowledgement Of
Plans Submittal ONLY!

Date

Date 4/6/23



1 FLOOR PLAN

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

FLOOR PLAN SPECIFICATIONS

HEAT/COOLED:	2560 SQ. FT.
PORCHES:	1464 SQ. FT.
GARAGE:	2542 SQ. FT.
TOTAL:	6564 SQ. FT.

NOTE: MAIN FLOOR CEILINGS TO BE 9'-0" UNLESS NOTED

ELECTRICAL LEGEND

- CEILING FAN
- RECESSED CAN
- 110 OUTLET
- 220 OUTLET
- VENT LIGHT COMBO (V.L)
- LIGHT SWITCH ($)
- SURFACE MOUNT LIGHT
- WALL MOUNT LIGHT
- 2'x 4' FLOURESCENT
- FLOOD LIGHT
- LED LIGHT BAR
- SMOKE DETECTOR (SD)

NOTE: COORDINATE ALL ELECTRICAL PLACEMENT WITH OWNER. COORDINATE WITH OWNER FOR CABLE, PHONE, INTERNET, ECT.

FLOOR PLAN NOTES:

1. ALL STRUCTURAL INFORMATION SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHALL REVIEW AND DESIGN ALL STRUCTURAL ELEMENTS SUCH AS ALL FRAMING WALLS, BEAMS, CONNECTIONS, HEADERS, JOISTS AND RAFTERS AS INTERNATIONAL RESIDENTIAL

2. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OTHERWISE.

3. WINDOW SIZES INDICATED ON PLANS ARE NOTED BY APPROXIMATE ROUGH OPENING SIZE. REFER TO PLANS AND EXTERIOR ELEVATIONS FOR WINDOW TYPES.

4. COORDINATE LOCATION OF UTILITY METERS WITH SITE PLAN AND LOCATE AWAY FORM PUBLIC VIEW. VISUAL IMMPACT SHALL BE MINIMIZED, I.E. MOUNT AS LOW AS POSSIBLE

5. PREFABRICATED FIREPLACE CONSTRUCTION SHALL MEET OR EXCEED ALL APPLICABLE CODES REGARDING USE OF FIRE SEPARATIONS, CLEARANCES, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL ITEMS AND CONSTRUCTION MEET OR EXCEED CODE CLEARANCE. FLUE HEIGHT SHALL BE COORDINATED TO MATCH HEIGHT SHOWN ON PLANS AND SHALL NOT EXCEED THE TOP OF CHIMNEY CHASE AS CONSTRUCTED.

6. CONTRACTOR SHALL COORDINATE ALL CLOSET SHELVING REQUIREMENTS.

7. DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS

8. CONTRACTOR SHALL FIELD VERIFY ALL CABINET DIMENSIONS BEFOR FABRICATION

9. BEDROOM WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQ.FT., A MINIMUM NET CLEAR OPENABLE WIDTH OF 20". A MINIMUM NET CLEAR OPENABLE HEIGHT OF 24" AND HAVE A MAXIMUM FINISH SILL HEIGHT OF 43" FORM FINISH FLOOR.

10. ALL GLASS LOCATED WITHIN 18" OF FLOOR, 12" OF A DOOR OR LOCATED WITHIN 60" OF FLOOR AT BATHTUBS, WHIRLPOOLS, SHOWERS, SAUNAS, STEAM ROOMS OR HOT TUBS SHALL BE TEMPERED.

11. ALL EXPOSED INSULATION SHALL HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DENSITY RATING OF LESS THAN 450.

12. PROVIDE COMBUSTION AIR VENTS WITH SCREEN AND BACK DAMPER, FOR FIREPLACES, WOOD STOVES AND ANY APPLIANCE WITH AN OPEN FLAME.

13. BATHROOMS SHALL BE VENTED

14. ATTIC HVAC UNITS SHALL BE LOCATED WITHIN 20' OF ITS SERVICE OPENING. RETURN AIR GRILLES SHALL NOT BE LOCATED WITHIN 10 FEET OF A GAS FIRED APPLIANCE

15. WALLS COMMON TO GARAGE AND HOUSE SHALL HAVE A LAYER OF T GYPSUM BOARD AT GARAGE SIDE

16. ALL FIREPLACE CHASE WALLS SHALL BE INSULATED INSIDE AND OUTSIDE. PROVIDE HORIZONTAL "DRAFT STOPS" AT EACH FLOOR LEVEL BY PACKING 6" (R-19) INSULATION BETWEEN 2X4 JOISTS.

17. ALL INTERIOR WALLS SHALL BE COVERED WITH 1/2" GYPSUM BOARD, WITH METAL CORNER REINFORGING, TAPE FLOAT AND SAND.
USE 1/2" GYPSUM BOARD ON CEILING MEMBERS LESS THAN 24" O.C.

NOTE:
DUE TO THE IMPOSSIBILITY OF PROVIDING ANY PERSONNEL AND ON SITE SUPERVISION AND CONTROL OVER THE ACTUAL CONSTRUCTION AND BECAUSE OF THE GREAT VARIANCE IN LOCAL BUILDING CODE REQUIREMENTS AND OTHER LOCAL BUILDING CODE AND WEATHER CONDITIONS I, GREG HALE ASSUMES NO RESPONSIBILITY FOR ANY DAMAGES INCLUDING STRUCTURAL FAILURES DUE TO ANY DEFICIENCIES OMISSIONS OR ERRORS IN THE DESIGN OR BLUEPRINTS. ALL FOOTING DESIGN, STRUCTURAL MEMBER SIZING, OR ANY OTHER STRUCTURAL INFORMATION ARE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER.

DRAWN BY: HOME DESIGN/ DRAFTING
SCALE:1/4" =1'-0" (501)-941-2699
INFO@HDDRAFTING.COM

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