BLDR - 2022-8110

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 2022-6046

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

PIN # 4740 -- 57 5821

APPLICANT/OWNER: Kevin Hope APPLICANT ADDRESS: 411 Baymont Dr. Statesville NC

SITE ADDRESS: 195 Barkdale Rd. Troutman NC PHONE: 704-818-6111 ALT. PHONE -

SITE DIRECTIONS: I77 South Exit 42 - Hwy 21 - Barkdale SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: SECTION: LOT # LOT AREA: 1.06 acres DESIGN FLOW: 360 L.T.A.R.: 0.3(I)/0.1(R)

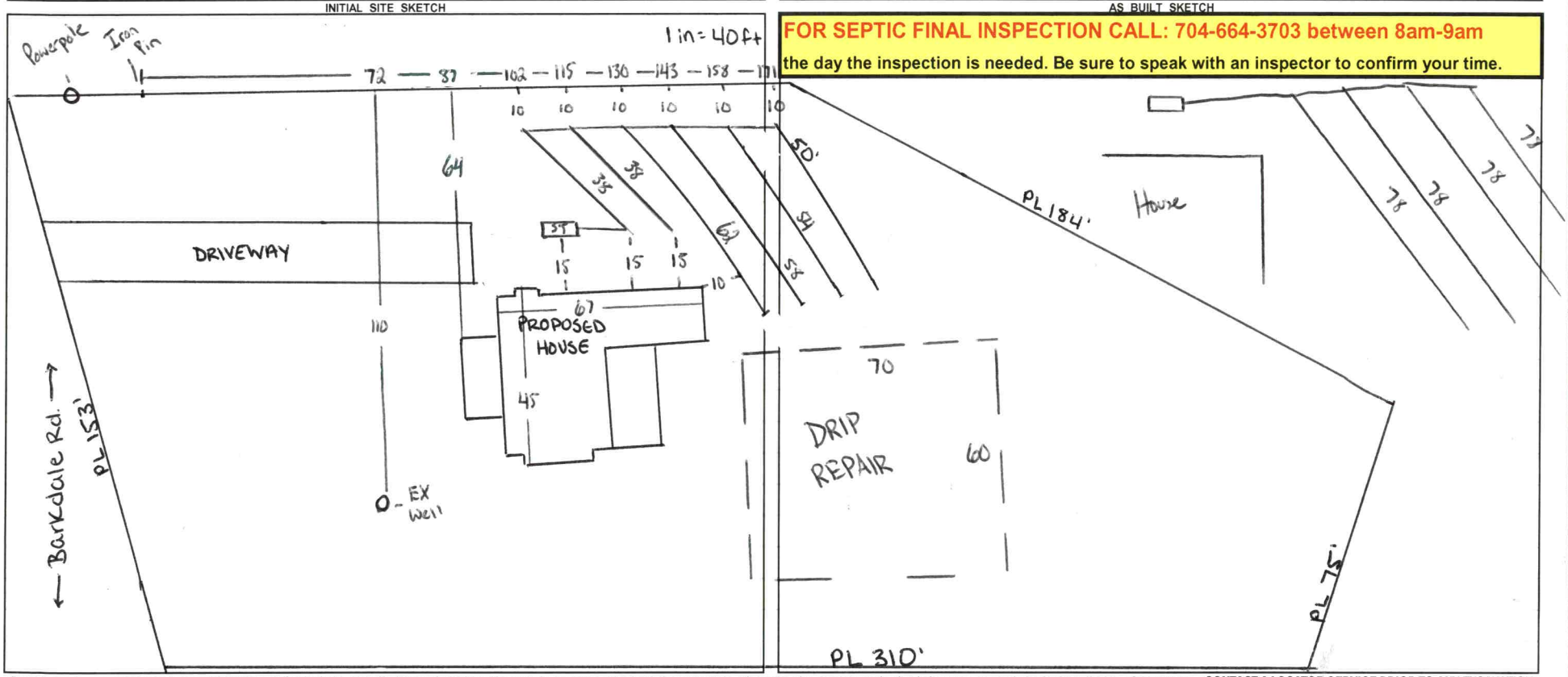
Septic Tank	1000 (gal)	STB	7160	Date	4/8/23	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT		Date		System Description:	25% reduction			☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	DRIP			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	6	Linear Ft	300'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36 in	Trench Bottom Depth (~~Low side~~)	36" max	Gravel Depth	-		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with the land. Utilize serial distribution. Do not park, drive, or grade septic area.

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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: Date: 10-24-22 Installed by: Piedmont Backhoe

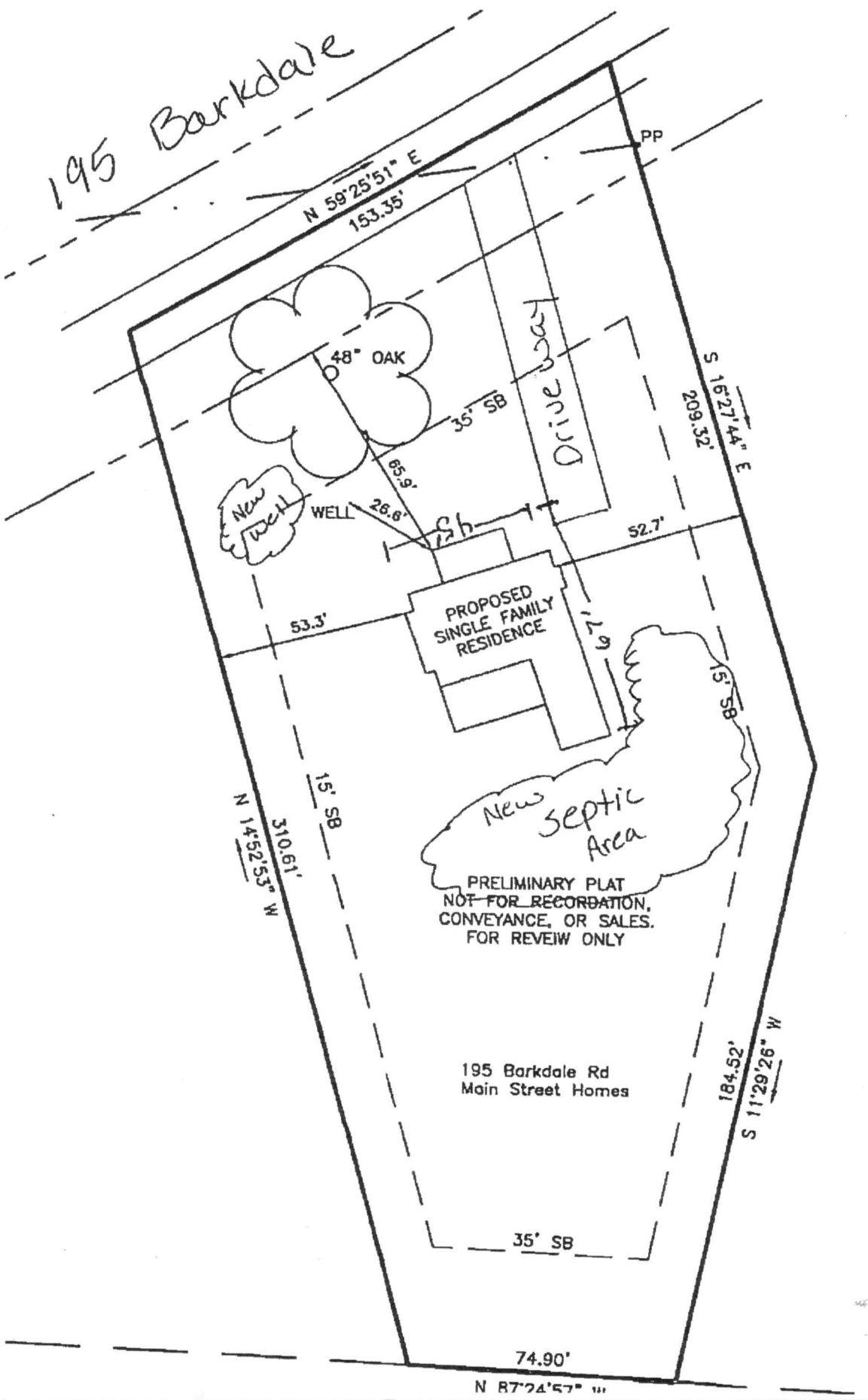
IMPROVEMENT PERMIT by: Date: 10/18/22 OPERATION PERMIT by: Date: 5/19/23

AUTHORIZATION TO CONSTRUCT by: Date: 10/19/22 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? _____	


195 Barkdale
N 59°25'51" E
153.35'
PP
48" OAK
35' SB
65.9'
Drive way
S 15°27'44" E
209.32'
New Well
WELL
26.6'
52.7'
53.3'
PROPOSED SINGLE FAMILY RESIDENCE
67.9'
15' SB
New Septic Area
15' SB
N 14°52'53" W
310.61'
PRELIMINARY PLAT
NOT FOR RECORDATION,
CONVEYANCE, OR SALES.
FOR REVEIW ONLY
195 Barkdale Rd
Main Street Homes
184.52'
S 11°29'26" W
35' SB
74.90'
N 87°24'57" W

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Kevin Hope
ADDRESS: 411 Baymont Dr, Statesville
PROPOSED FACILITY: 3 bd/r home PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 195 Barkdale Rd, Troutman
APPLICATION DATE 10/4/22
DATE EVALUATED: 10/13/22
PROPERTY SIZE:
PROPERTY RECORDED:

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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Linear 14-1%	0 - 9	PLOW SC	SS SP FR SE	10yr 6/2 at 32	49	-	-	.25 PS
		9 - 38	C ABK	SS SP FR SE					
		38 - 49	CL SBK	SS SP FR SE	10yr 6/3 in C layer				
2	Linear 12%	0 - 32	C SBK	SS SP FR SE	-	48	SAP inc in CL layer		.3 PS
		32 - 48	CL WSBK	SS SP FR SE					
3	Linear 13%	0 - 12	PLOW SC		10yr 6/2 at 22+	48	SAP inc in CL layer		1 DRIP
		12 - 22	C ABK	SS SP FR SE					
		22 - 48	CL ABK	SS SP FR SE					
4	Linear 8%	0 - 20	C ABK	SS SP FR SE	-	48	SAP inc in CL layer		.3 PS
		20 - 48	CL SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	DRIP
Site LTAR	.3	.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT:

COMMENTS:

Updated February 2014

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
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.

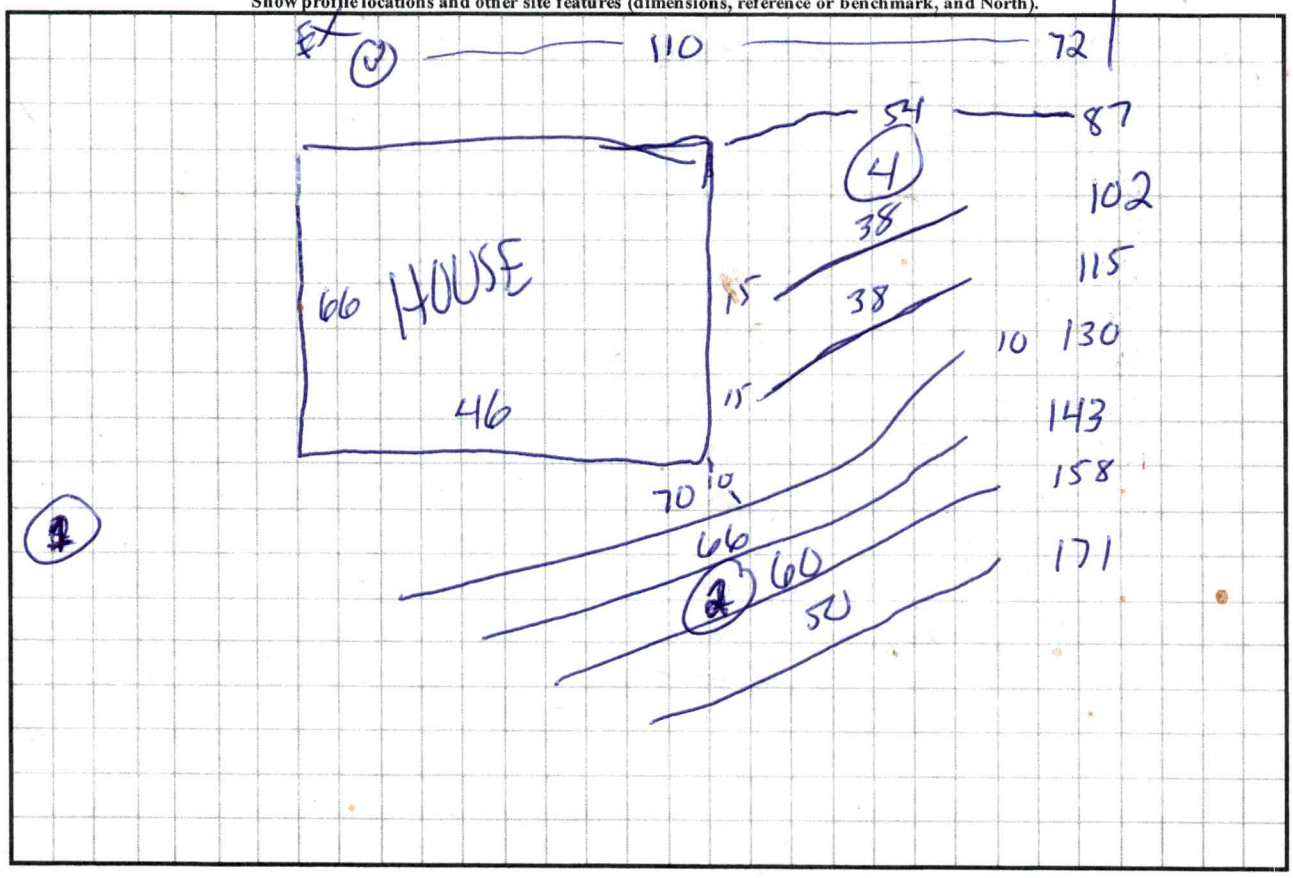
NOTES

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).

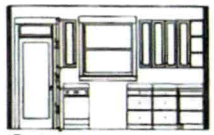


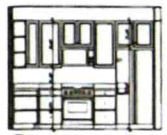
FRAMING NOTES:

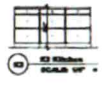
1. ALL DIMENSIONS ARE CALCULATED FROM OUTSIDE FACE OF STUD WALL TO OUTSIDE FACE OF STUD WALL AND CENTER OF INTERIOR WALLS UNLESS OTHERWISE NOTED. WALLS NOT NOTED AND OR DIMENSIONED ARE TYPICALLY 4" DEEP NOMINAL (3½") and 6" for (2x6)
2. ALL FRAMING MATERIAL SHALL BE #2 KD MINIMUM.
3. ALL WOOD FRAMING IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
4. PROVIDE DOUBLE FLOOR JOISTS UNDER ALL WALLS WHICH ARE PARALLEL TO FLOOR JOIST SPAN DIRECTION.
5. PROVIDE "X" BRACING OR SOLID BLOCKING AT A MAXIMUM OF 8'-0" O.C. AT ALL FLOOR JOIST
6. GLUE AND SCREW PLYWOOD SHEATHING TO FLOOR JOIST TO ENSURE A "MONOLITHIC" FLOOR SYSTEM.
7. ALL STUD WALLS SHALL BE FRAMED @ 16"O.C.
8. ALL ANGLED WALLS SHALL BE FRAMED AT A 45 ANGLE UNLESS OTHERWISE NOTED.
9. BRACE ALL EXTERIOR CORNERS OF STUD WALLS WITH EXTERIOR GRADE PLYWOOD FROM PLATE TO PLATE
10. TYPICAL EXTERIOR 2x4 AND 2x6 STUD WALLS SHALL BE SHEATHED WITH 1/2" FOAM BOARD FOR BRICK APPLICATION ONLY AND EXTERIOR APPROVED PLYWOOD ALL OTHER.
11. ALL WALLS OVER 12'-0" HIGH SHALL BE 2x6's AT 16" O.C. AND RECEIVE 3 ROWS OF 2x6 BLOCKING AT 1/3 POINTS OF HEIGHT
12. PROVIDE BLOCKING AT ALL CABINET LOCATIONS.
13. PROVIDE SOLID STUD UNDER ALL BEAM BEARING POINTS and BE A MIN. TRIPLE STUD
14. ALL BEARING AND JOIST INTERSECTIONS SHALL RECEIVE GALVANIZED BEAM HANGERS.
15. PROVIDE DOUBLE 2x6 STRONGBACK BRACING AT CENTER OF JOIST SPANS OVER 10'-0
16. PROVIDE 2x6 COLLAR TIES AT UPPER 1/3 OF VERTICAL DISTANCE BETWEEN RIDGE BOARD AND CEILING JOIST
17. PROVIDE 2x4 RAFTER TIES AT ALL PLATES WHERE JOIST RUN PERPENDICULAR TO RAFTERS.
18. HIP VALLEY RAFTERS AND RIDGE BOARDS SHALL BE ONE SIZE LARGER THAN TYPICAL RAFTERS.

PLUMBING NOTES:

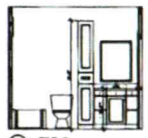
1. THE PLUMBING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE CODES AND SAFETY REQUIREMENTS
2. PROVIDE GAS SERVICE TO ALL WATER HEATERS AND HVAC EQUIPMENT AS REQUIRED
3. IF WALL PLATS OR JOISTS ARE CUT DURING THE INSTALLATION OF PLUMBING FIXTURES OR EQUIPMENT PROVIDE BRACING TO THE 1'S FRAMING BACK TOGETHER
4. PROVIDE METAL PAN AND AUXILIARY DRAIN TO OUTSIDE FOR POSSIBLE OVERFLOW FOR TANK WATER HEATERS
5. ALL GAS WATER HEATERS TO BE VENTED AT TOPOUT
6. ALL PLUMBING VENT STACKS SHALL BE LOCATED CLOSE TOGETHER IN THE ATTIC. THEY SHALL BE LOCATED TO THE REAR OF THE HOUSE AWAY FROM PROMINENT VIEW. ALL VENT STACKS SHALL BE PRIMED AND PAINTED TO CLOSELY MATCH ROOF COLOR
7. PROVIDE HOSE BIBB AS PER FOUNDATION AND FIRST FLOOR PLAN LOCATIONS
8. PLUMBING CONTRACTORS SHALL BE RESPONSIBLE FOR INSULATING EXPOSED PIPES IN ATTIC

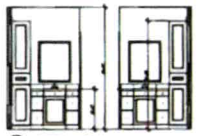


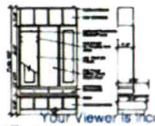


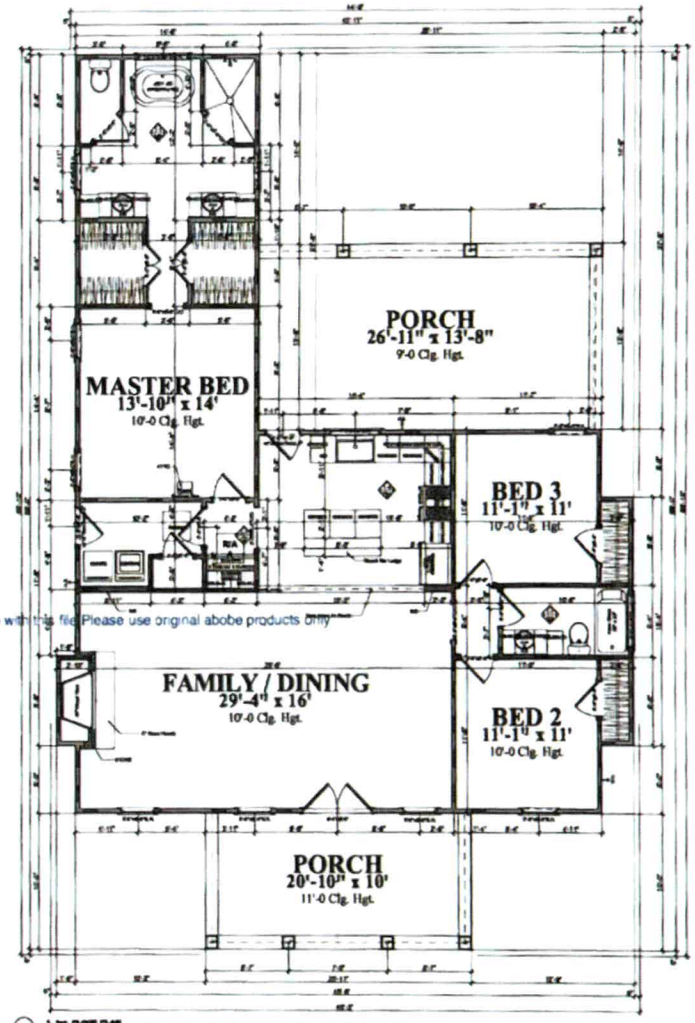


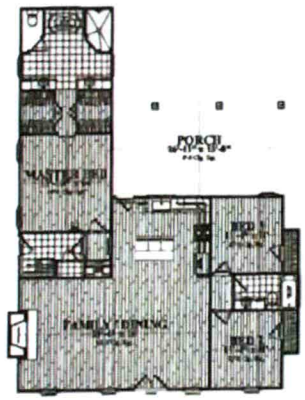




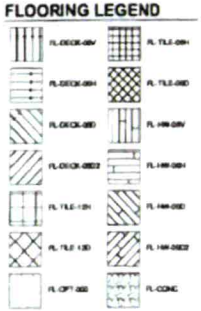








FLOORING LEGEND







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Acknowledge

Plans Submittal Only

Cory Whl 10/13/22

Date

Date 10-21-22

Final Set
4/28/2022

PLAN:
A269-M3
Woodall 3

DIMENSIONS:
WIDTH: 44'-09"
DEPTH: 66'-10"

FOOTAGE:
1 Pest Floor 1,930.5
TOTAL LIVING 1,930.5
Porches 677.1
TOTAL ROOFED 3,267.6

ROOMS:
FLOORS: 1
BEDROOMS: 3
BATHS: 2
STORIES: 1
GARAGE/PORT. 0

HUDSON HOME DESIGNS

VISIT US ON THE WEB
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Custom Plans
Stock Plans
Outdoor Living
Material Lists
3-D Modeling

AIBD

CONTACT:

A-1
Floor Plan(s)