BLDR-2022-4945

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # 2023 - 18228

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

PIN # 4639 -11-5939

APPLICANT/OWNER: Robert Fotsch

APPLICANT ADDRESS: 140 Cheshire Ln, Mooresville 28117

SITE ADDRESS: 1100 Riverbend Dr. Mooresville, 28117

PHONE: 704-996-4791

ALT. PHONE

SITE DIRECTIONS: Fernhill Rd - (R) Riverbend - Lot on (R)

SAP CONTROLLED: [x] YES [ ] NO

SUBDIVISION:

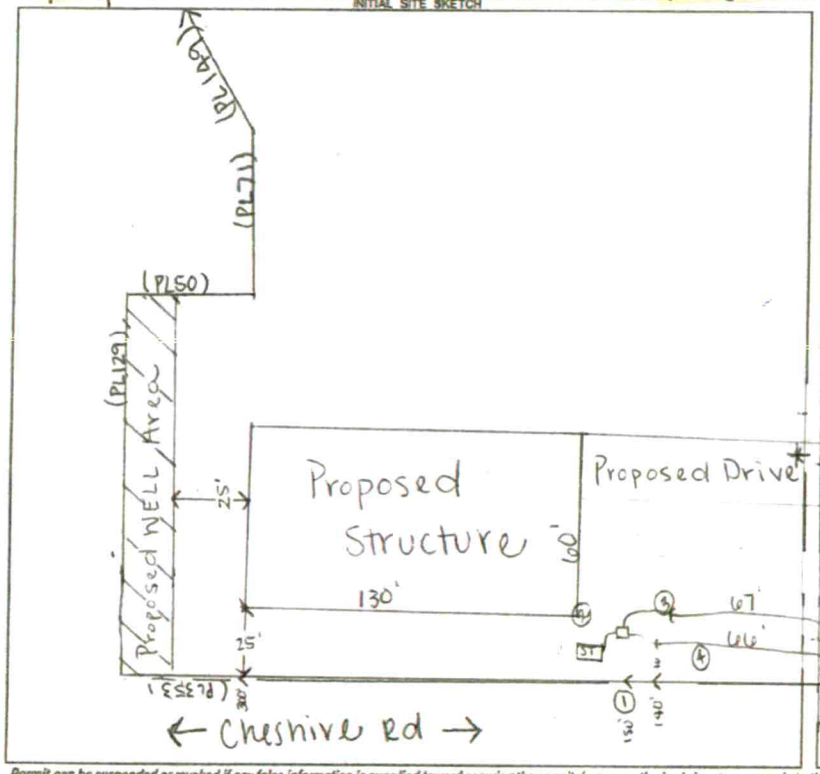
SECTION: — LOT # — LOT AREA: 6.86

DESIGN FLOW: 240gpd L.T.A.R.: .3 (R=.1)

Septic Tank	1000 (gal)	STB 760	Date 2-21-24	[x] New System [ ] Repair [ ] Expansion	System Type: I II (III) IV V VI	[x] Residence	No. Bedrooms 2	Water Supply
Pump Tank	(gal)	PT	Date	System Description: 50% reduction - VPPBPS		[ ] Business	No. Persons 4	[x] Private
Pump Make		Model	Serial #	Repair System Description: Drip		[ ] Other	No. Employees	[ ] Public
# Nitrification Fields	1	# Lines 2	Linear Ft 133'	Maintenance Agreement Required:	[ ] YES [x] NO	[ ] Slab	[ ] Crawl Space	[ ] Community
Trench Width	24"	Trench Bottom Depth ~~(Low side)~~	MAX 46"	Gravel Depth	[x] GRAVITY [ ] PRESSURE	[ ] Basement w/plumbing		[x] Basement w/o plumbing

Comments / Conditions: Gravity system based on floor elevation given by applicant, if changed system may require pump. 2' of soil within septic area to be removed and checked with benchmarks by ICHD prior to A.C. Install deep to achieve gravity. Aprox. 38' lowside, 46" Max, or vented if deeper

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.

Elevations 1" = 60'

① - 2'4 - edge of pavement
② - 8'2
③ - 7'3
④ - 6'3

★ See attached site plan by ICHD for repair Area

Tank - SH - 4/8/24

* Driveway changes cannot impact septic area.

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

[ ] IMPROVEMENT PERMIT *with plat valid without expiration.* [x] IMPROVEMENT PERMIT *with site plan valid for 60 mos.* [x] AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Online Date: 4/13/23

Installed by: RICHARD ABERNATHY GRADING

IMPROVEMENT PERMIT by: Sydney Howard Date: 4/13/23

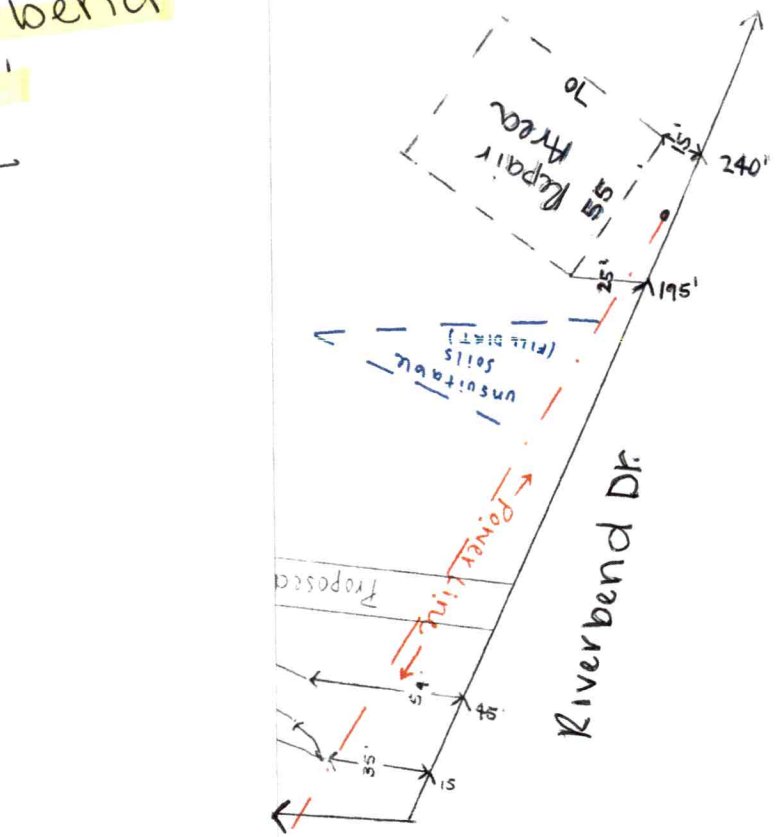
OPERATION PERMIT by: Bryant C. White Date: 4-15-2024

AUTHORIZATION TO CONSTRUCT by: Sydney Howard Date: 7/7/23

Existing System Inspected by: Date:

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

Repair Area for
160 Riverbend
in 1" = 60'



← Cheshire Ln

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

Sheet 1 of 1
PROPERTY ID #: 4639125003
COUNTY: Iredell

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

OWNER: Robert Fotsch
ADDRESS: 160 Riverbend
PROPOSED FACILITY: 2Br
LOCATION OF SITE: 160 Riverbend
APPLICATION DATE: ~~4/6/23~~
DATE EVALUATED: 4/6/23
PROPERTY SIZE: 0.86
PROPERTY RECORDED: yes
PROPOSED DESIGN FLOW (.1949): 240gpd

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		0-12	C	SS-SP-FR2-SExP					P.S .3
		12-~~65~~	CL	↓					
		~~65~~-96	SL/SAP	NS-NP-FR	starting @ 27 Few/comm Mg. inc 47"+ Few/Many sap inc. @ 42" discont. quartz vein				
2		0-23	C/SBK	SS-SP-FR-SExP					P.S .3
		23-54	CL/	↓					
		54-80	SL/SAP/Ma	NS/NP-FR					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	133'	
System Type(s)	50%	
Site LTAR	.03	

OTHER FACTORS (.1946): P.S
SITE CLASSIFICATION (.1948):
EVALUATED BY: S. Holland B. Botkins
OTHER(S) PRESENT:

COMMENTS:

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

PROPERTY ID #:
COUNTY: Iredell

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

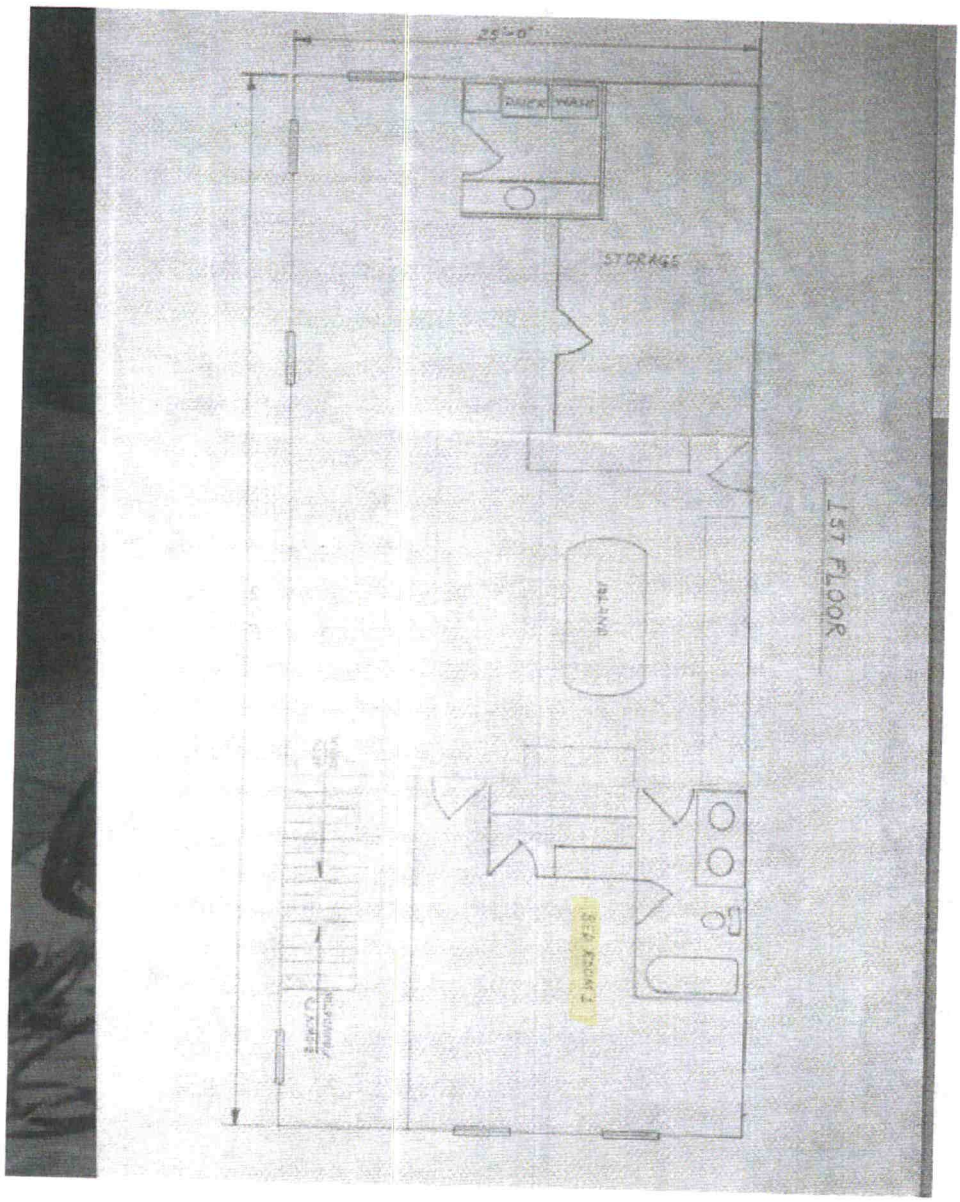
OWNER:
ADDRESS:
PROPOSED FACILITY:
PROPOSED DESIGN FLOW (.1949):
LOCATION OF SITE: 160 Riverbend
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE:
PROPERTY RECORDED:
WATER SUPPLY: Private Public Well Spring Other
EVALUATION METHOD: Auger Boring Pit Cut
TYPE OF WASTEWATER: Sewage Industrial Process Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	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	Pit 5	0-23	C/SBK	S-P-FR-SEXP	10YR6/3 @ 24" 2.5Y7/1 @ 30"+	48"	—	—	PS .25
		23-48	CL/SBK	S-P-FR-SEXP					
2	Pit 6	0-9	FILL	Mixed	Grey 8/N @ 30" 2.5Y 7/8 @ 28"	63"	—	—	PS .25
		9-28	C/SBK	SS-SP-FR-SEXP					
		28-63	CL/SBK	SS-SP-FR-SEXP					
3					DRIP Repair				
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		1440
System Type(s)		DRIP
Site LTAR		.25

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

COMMENTS:



SH 1/23/23