ICHD–ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 (BB) | PERMIT # AP-301913

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

PIN # 4685-12-7896

APPLICANT/OWNER: Donna Jones | APPLICANT ADDRESS: 692 Patterson Farm Rd Mooresville, NC

SITE ADDRESS: 668 Patterson Farm Rd. Mooresville, NC | PHONE: 704-740-6594 | ALT. PHONE 704-528-7200

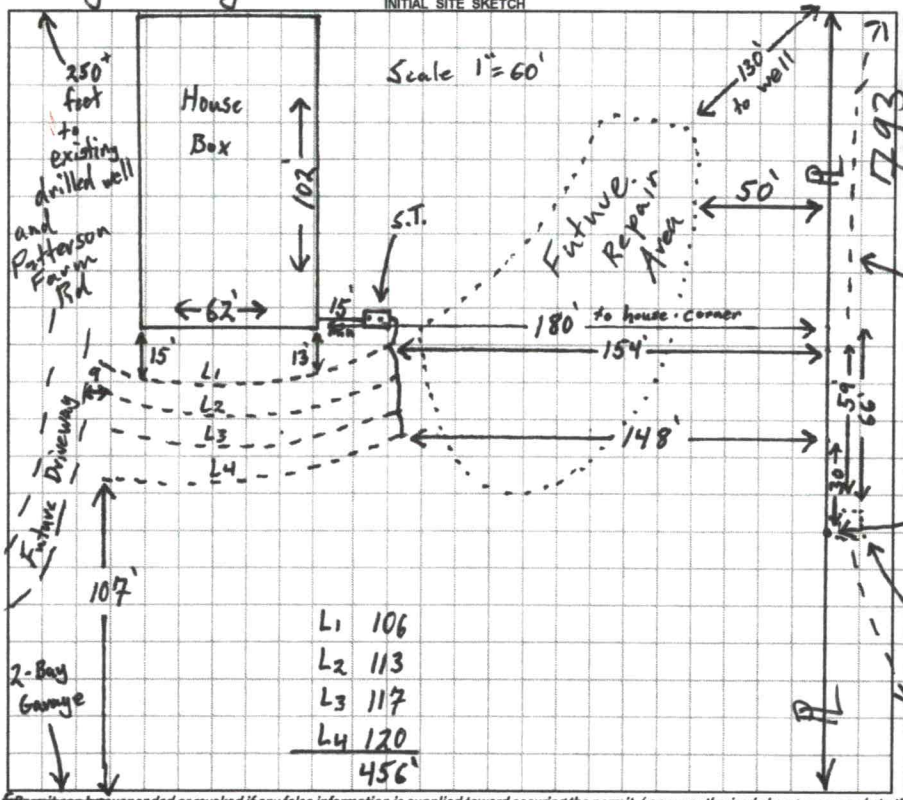
SITE DIRECTIONS: Rt 3 South → L on Patterson Farm Rd → Site on Right | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: — | SECTION: — | LOT # — | LOT AREA: 9.58 acres | DESIGN FLOW: 480 GPD | L.T.A.R.: 0.295

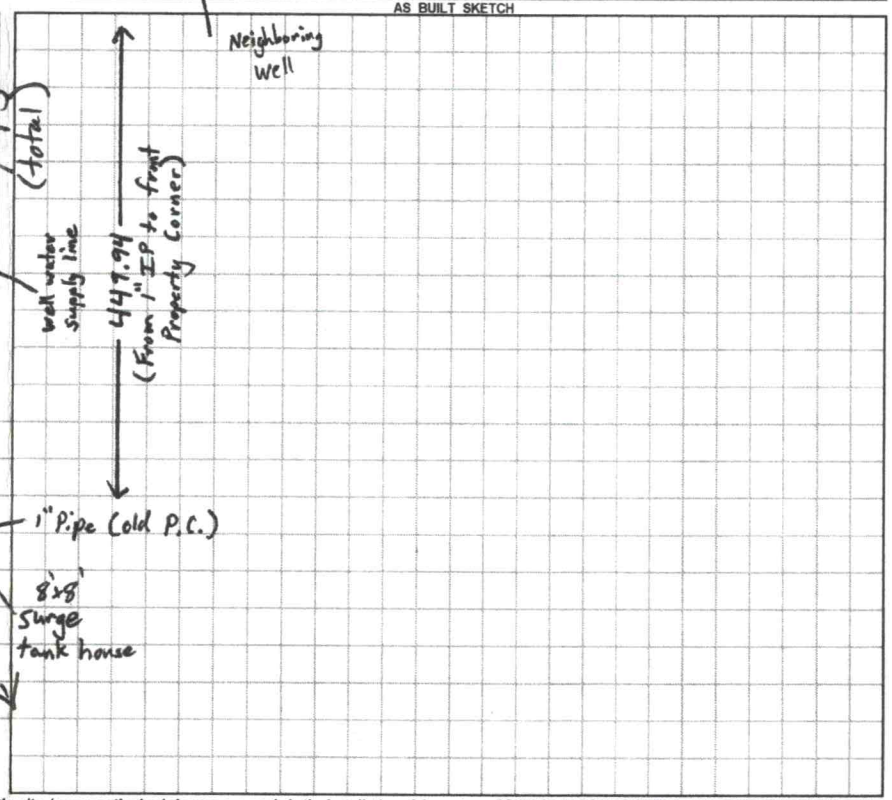
Septic Tank	1000	(gal)	STB 749	Date	10-2-20	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	—	(gal)	PT —	Date	—	System Description:	25% Reduction (serial distribution			☐ Business	No. Persons 8	☒ Private Existing
Pump Make	—	Model	—	Serial #	—	Repair System Description:	same			☐ Other	No. Employees —	☐ Public
# Nitrification Fields	1	# Lines	4	Linear Ft	436	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width	36"	Trench Bottom Depth(Low side)	31" (36" high)	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Though 456 l.f. has been laid out only 436 l.f. need be installed. Recommend having septic tank pumped every 3-5 days.

INITIAL SITE SKETCH



AS BUILT SKETCH



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: 11-27-19 | Installed by: EJ Ervin

IMPROVEMENT PERMIT by: Tom Shuck Date: 11/22/19 | OPERATION PERMIT by: _____ Date: 12-3-20

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 11/22/19 | Existing System Inspected by: _____ Date: _____

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

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

Sheet 1 of 1
PROPERTY ID #: 4685-
COUNTY: Iredell

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

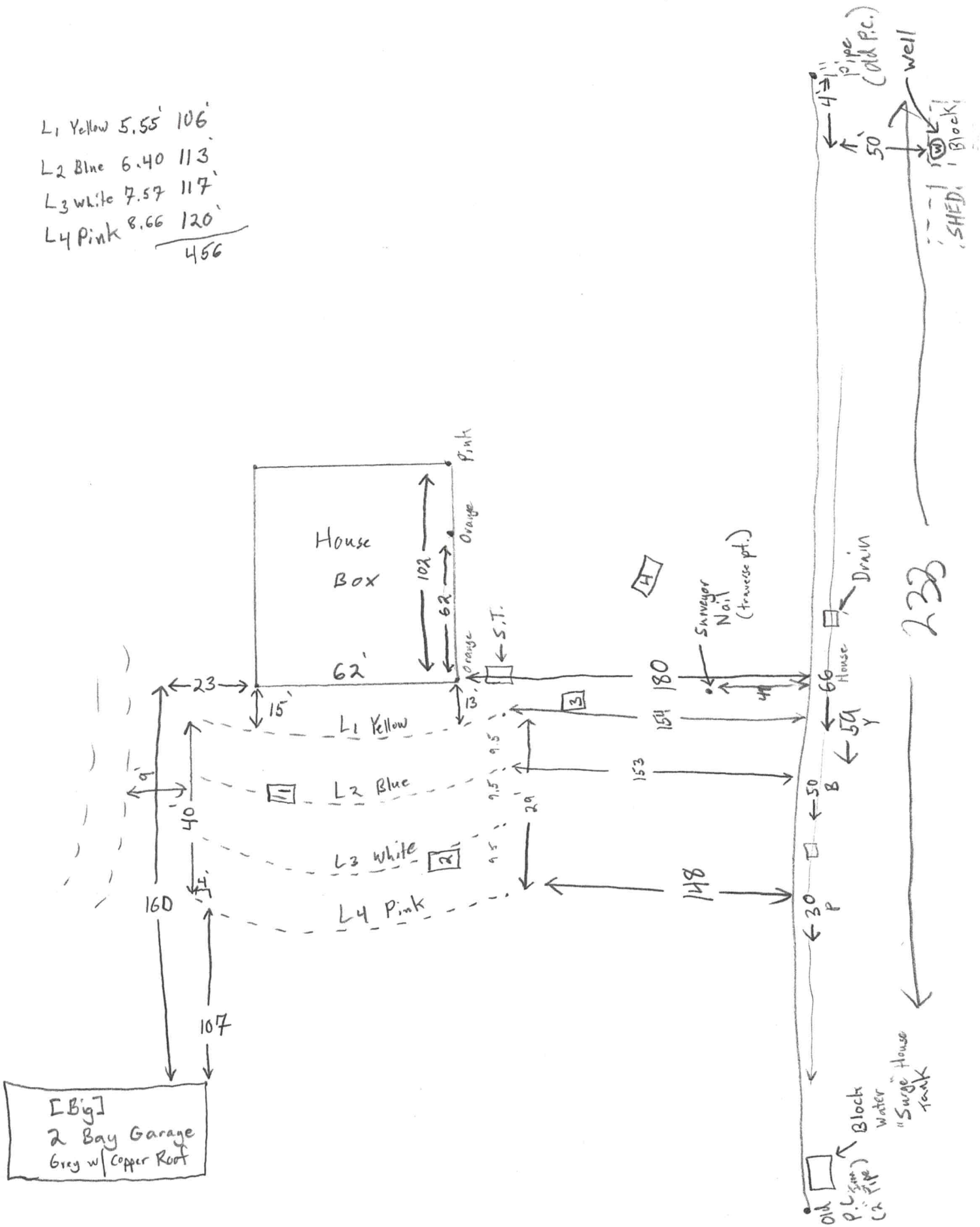
OWNER: Donna Jones
ADDRESS: 692 Patterson Farm Rd. Mooresville, NC
PROPOSED FACILITY: 4BR SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 668 Patterson Farm Rd. Mooresville NC
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other Existing
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE 10/19/19
DATE EVALUATED: 11/4/19
PROPERTY SIZE: 9.58 acres
PROPERTY RECORDED: Yes

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	LSS	0-4	SCL V.W.SBK	SI Friable, SS, SP, Sap					
		4-35	Clay m.SBK	SI Firm, Sticky, SP, Sap					
		35-60"	Clay Loam W.SBK some saprolite	Friable, SS, SP, Sap	–	60"	–	–	0.275 PS
2	LSS	0-7	SCL V.W. SBK	SI Friable, SS, SP, Sap					
		7-30	m.SBK Clay trace mica	SI Firm, Sticky, SP, Sap					
		30-62	W.SBK Clay Loam some Saprolite	SI Friable, SS, SP, Sap	–	62"	–	–	0.30 PS
	Primary	62-66"	MA Loamy Saprolite	Friable + moderately Drained					
3	nose slope	0-6	W SCL V.W.SBK	SI Friable, SS, SP, Sap					
		6-37	Clay m-c BBK trace mica	SI Firm, Sticky, SP, Sap					
		37-62	Clay Loam trace Saprolite	SI Friable, SS, SP, Sap	–	62"	–	–	0.275 PS
	Repair								
4	LSS	0-4	SCL V.W.SBK	SI Friable, SS, SP, Sap					
		4-22	Clay m.SBK common MICA	SI Firm, Sticky, SP, Sap					
		22-46	Clay Loam W.SBK common Saprolite	Friable, SS, SP, Sap	–	46	–	–	0.35 PS
		46-62	MA Loamy Saprolite	well Drained + Very Friable					
	Repair								

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	456 L.F.	500+
System Type(s)	25% Reduction	25% Reduction
Site LTAR	0.275	0.275

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


L1 Yellow 5.55' 106'
L2 Blue 6.40 113'
L3 white 7.57 117'
L4 Pink 8.66 120'
456
House
Box
62'
102
62
Pink
Orange
Orange
S.T.
23
15'
13'
L1 Yellow
L2 Blue
L3 white
L4 Pink
9'
40'
4'
160
107
[Big]
2 Bay Garage
Grey w/ Copper Roof
9.5'
9.5'
9.5'
29'
148
153
151
180
Surveyor Nail (traverse pt.)
4'
66
House
Drain
50
Y
50
B
30
P
233
4"⇒11" pipe (old P.C.)
well
50
W
Block
SHED
Old P.C. (Gas Pipe)
Block
Water
"Surge" House
Tank