ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP310170

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

PIN # 4626 - 37 - 0795

APPLICANT/OWNER: David Hemphill | APPLICANT ADDRESS: 150 Alder Springs Ln Mooresville NC 28117

SITE ADDRESS: 150 Alder Springs Ln Mooresville NC 28117 | PHONE: 704-743-8138 | ALT. PHONE 704-658-8616 (Michael B)

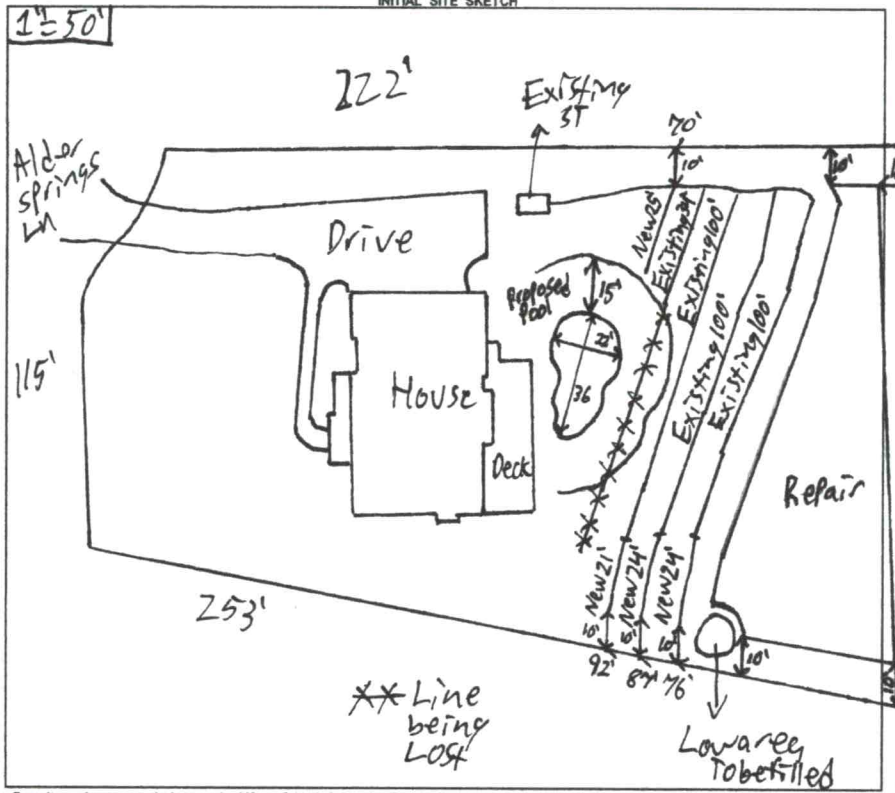
SITE DIRECTIONS: Brawley School Rd to Ron McKendree Rd, Lon Kemp, Ron Alder Springs Ln, Lot on R | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: The farms | SECTION: P3M1 | LOT # 327 | LOT AREA: | DESIGN FLOW: 480GPD | L.T.A.R.: .3

Septic Tank	Existing (gal)	STB	Existing	Date	Existing	☒ 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:	Gravity 25% Reduction	☐ Business	No. Persons 8	☐ Private
Pump Make	—	Model	—	Serial #	—	Repair System Description:	LPPBPS	☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	4	Linear Ft	73'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space	☒ Community
Trench Width	36"	Trench Bottom Depth(Low side)	32"	Gravel Depth	—	☒ GRAVITY	☐ PRESSURE	☐ Basement w/ plumbing	☐ Basement w/o plumbing	

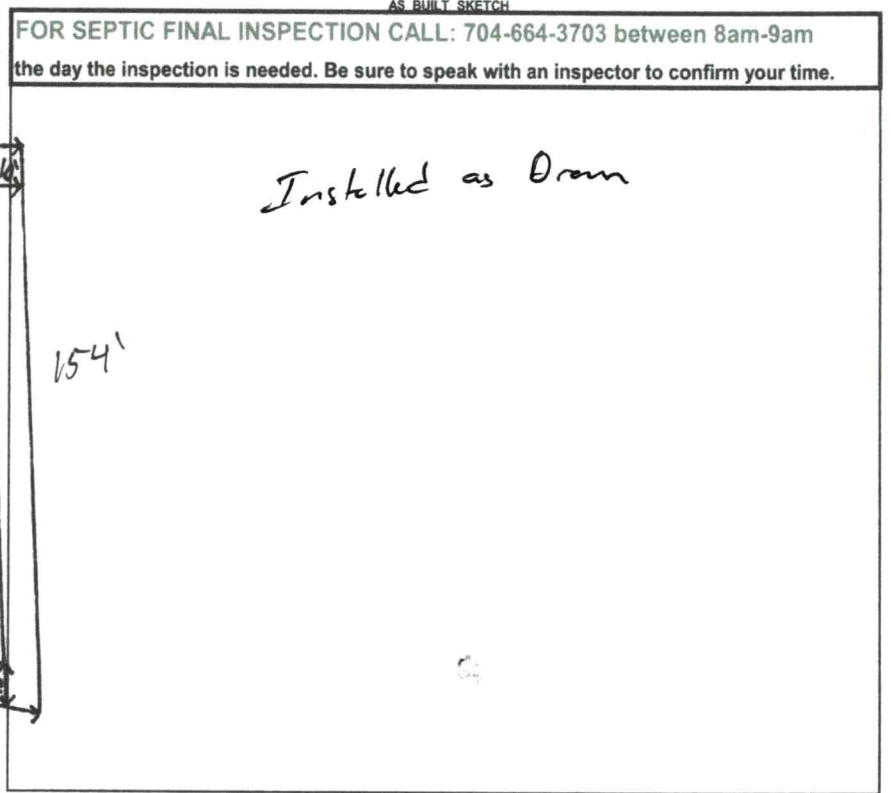
Comments / Conditions: Install lines on contour. DO NOT drive on, store, material or manipulate drainfield in anyway. All parts of septic must be 15' off water's edge of pool. 94' of new line laied out only 73' needed

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: [signature] Date: 11-24-2020 Installed by: Michael Benfield

IMPROVEMENT PERMIT by: Patrick J Boyle III Date: 11/19/2020 OPERATION PERMIT by: [signature] Date: 11-30-2020

AUTHORIZATION TO CONSTRUCT by: Patrick J Boyle III Date: 11/19/2020 Existing System Inspected by: Date:

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	WHITE	2.6	51	24
2	EXISTING	3.4	110	36
3	EXISTING	4.1	100	116 124
4	EXISTING	4.4	100	116
5	EXISTING	4.8	90	120
6	BLUE	3.7	22	0
7	RED	4.5	24	0
8	WHITE	5.0	29	0
9	ORANGE	5.7	80	0
10	BLUE	6.3	64	0
11	PINK	7.5	36	0
			TOTAL	TOTAL
			706	412

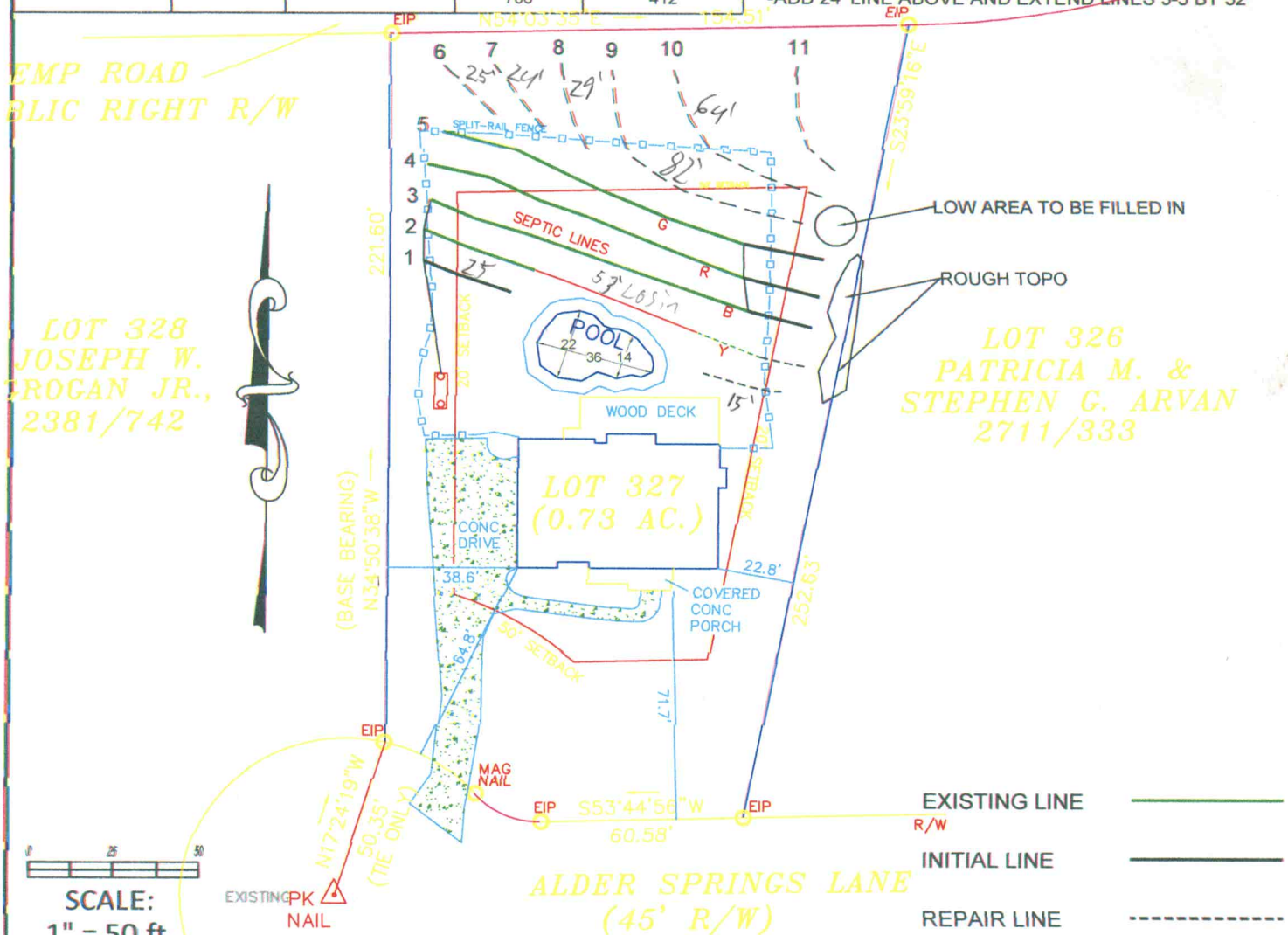
150 ALDER SPRINGS LN, MOORESVILLE NC.
SECTION 3, LOT 327 THE FARMS

4-BEDROOM GRAVITY ACCEPTED SYSTEM
ADD LINES 1 TOTAL 24 LINEAR FT
EXTEND LINES 3-5 52 LINEAR FT
EXISITNG 2-5 TOTALING 412 LINEAR FT (USE 400')
LTAR 0.3
25% REDUCTION 9' OC
34-36" TRENCH BOTTOM

4-BEDROOM LP PPBPS SYSTEM
TOTAL 306 LINEAR FEET
LTAR 0.3
36" TRENCH BOTTOM

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

Notes: SOIL INFORMATION PROVIDED BY IREDELL CO
-DROP 74' FROM THE FIRST EXISTING LINE
-ADD 24' LINE ABOVE AND EXTEND LINES 3-5 BY 52'



BOSS

Benfield Outdoor Services & Solutions, LLC
939 Brawley School Rd, Mooresville, NC 28117 Ph:704-360-0378
Info@yardsbyboss.com

DAVID HEMPHILL

LOT 327
150 ALDER SPRINGS LN,
MOORESVILLE, NC
IREDELL COUNTY

DATE:9/18/20 DRAWN BY:MDB CHECKED BY:MDB

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

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ 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)		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	
1	SS	0-5	SCL wsBk	Fr sss sPsexP	—	48"	Litho inclusons	few small Rocks Inclusons	PS, 3
		5-38	C sBk	Fr ss sP sexP					
		38-48	CL sBk	Fr ss sP sexP					
2	SS	0-7	SCL wsBk	Fr sss sP sexP	—	48'	Litho inclusons	small Few Rock inclusons	Ps. 3
		7-20	SC wsBk	Fr ss sP sexP					
		20-40	C sBk	Fr ss sP sexP					
		40-48	CL sBk	Fr sss sP sexP					
3	SS	0-12	SCL wsBk	Fr sss sP sexP	—	48"	Litho inclusons with some Parent Rx	Few small Rock inclusons	PS, 3
		12-29	C sBk	Fr ss sP sexP					
		29-48	CL sBk	Fr ss sP sexP					
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: _____