

Franklin County Health Department
Division of Environmental Health
107 Industrial Drive-Suite C
Louisburg, North Carolina 27549

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Phone: 919-496-8100

SEPTIC PERMIT

Fax: 919-496-8136

Permit Number: 10502 Type: I PIN: 1842-09-9049 Date: 7/30/2018

Applicant: H & H CONSTRUCTORS OF FAYE Owner:
2919 BREEZEWOOD AVE, STE 400
FAYETTEVILLE, NC 28303-5283 , NC

Telephone: (919) 374-3473 Telephone:

Subdivision: FALLS CREEK (COUNTY Lot Number: 38 Size: 0.85

Physical Address/ Location /Directions 20 JULEP CT

Description: LifeTime _____ 5 Year ☒

TYPE FACIL SFD # EMPLOY 1 # BEDRMS 4 GPD 480 LTAR 0.3 gld

TYPE WAT County TYPE SYS PtoAcc TYPE REP PtoAcc BSMT NO BST FX N/A

SIZE TANK 1000 SIZE CHB 1000 SIZE NITR 3'x405' MTD 30"

COMMENTS: Install system as designed by CCSC.

Septic Contractors are responsible for notifying the health department for final inspections, between 8:00-9:00 AM on the day of completion, Monday - Friday. Any request for final inspections received afterwards will be scheduled the same day, if possible, or the next workday. Have permit number and owner/applicant's name ready when making the call.

Actions of representatives of state or local agencies engaged in the evaluation and determination of measures required to effect the compliance with the provisions of this permit shall in no way be taken as a guarantee that wastewater disposal systems permitted and approved will function in a satisfactory manner for any given period of time, or that such employees assume any liability for damages, consequential or direct which are caused, or may be caused, by a malfunction of this wastewater treatment and disposal system.

Proper precautions must be taken to assure the proper functioning of the system after it has been covered. Do not run any heavy equipment over the system, as soft earth will allow damage to the tank and lines. Pipe all roof drains away from the septic system site to prevent flooding of the lines from surface water. Terrace the ground to prevent excessive drainage from higher areas adjacent to the system. Do not construct driveways over any part of the septic system unless proper provisions were made when the septic system was constructed. Only grass, not trees or shrubbery, should be cultivated over the lines. All plumbing fixtures should be carefully inspected periodically and any problems repaired immediately. All septic tanks should be pumped off by a permitted pump operator on a regular schedule, not to exceed every five years.

The improvement permit and construction authorization is a site approval, for the future installation of a wastewater treatment and disposal system. Changes in ownership of the site do not affect the validity of this permit. However, any alteration of the site or soil conditions, changes in the location of the proposed facility, changes to the wastewater flow and/or characteristics, or submittal of false information with the application or misrepresentation of the property lines may subject this permit to suspension or revocation.

FOR THIS TO BE A VALID CONSTRUCTION AUTHORIZATION, A LAYOUT SHEET MUST BE ATTACHED

IMPROVEMENT PERMIT DATE 11/7/18 EHS Cynthia Evers
CONSTRUCTION AUTHORIZATION DATE 11/7/18 EHS Cynthia Evers

Visit www.franklincountyenvironmentalhealth.com for permit information and tracking.

pump fee _____ pd

Franklin County Health Department

Name: H & H CONSTRUCT

Permit Number

10502

CONTRACTOR _____ TANK MANU _____ MANU DATE _____

WELL INSTALLED YES _____ NO _____ SYSTEM CODE _____

SEPTIC SYSTEM LAYOUT

(SKETCH SYSTEM LAYOUT HERE)

** See attached layout and tap chart designed by CCSC****SEPTIC SYSTEM AS-BUILT**

(IF DIFFERENT FROM INITIAL LAYOUT)

ON REVERSE

OPERATIONS PERMIT

DATE _____ EHS _____

Falls Creek Subdivision
Lot 38
4-bedroom Septic Layout

■ Keep Tanks and Drain lines 10' from property lines.
■ Not a Survey
■ Not a guarantee of a septic permit.
■ Keep supply lines >5' from property lines.
■ Some lines are flagged longer in the field than lengths indicated above.

SIGN EASEMENT

38

37,011 S.F.
0.850 AC.

20' PUBLIC DRAINAGE EASEMENT

JULEP CREEK ROAD

System: Pressure Manifold Lines: 1-3 (405')
0.3 Soil LTAR
Accepted Status System
30" TB

Repair: Pressure Manifold Lines: 4-6 (405')
0.3 Soil LTAR
Accepted Status System
30" TB

SCALE:
1" = 50 ft.

Repair: Pressure Manifold
Lines: 4-6 (405')
0.3 Soil LTAR
Accepted Status System
30' TB

0 25 50
SCALE:
1" = 50 ft.



SEPTIC SITE PLAN
Falls Creek S/D, Lot 38
4-Bedroom Septic Layout
Franklin County, North Carolina

Job# : 2315
Drawn By : JH
Date : 11/6/2018
Revision:

Sheet1

**Falls Creek Lot 38
System**

Bench Mark		Is = 100.00 Location of BM		Elevation Head					
Pump tank elev.		11	89.00	Pump elev.	83.60	Manifold elev.		15.40	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Orange	2.00	98.00	135	3/4in SCH 80	10.1	160.00	405	0.3951
2	Blue	2.70	97.30	135	3/4in SCH 80	10.1	160.00	405	0.3951
3	White	3.50	96.50	135	3/4in SCH 80	10.1	160.00	405	0.3951

	total	feet =	405	gal/min =	30.3	<u>LTAR =</u>	0.3000
						<u>LTAR + %6</u>	0.3150
% of Dose Vol.	75	<u>Des. Flow</u>	480			(ltar W/ INOV)	0.4000
Dose Volume	197.44	Pump Run=	15.84			(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	6.52	Tank Gal/IN	19.65				
Drawdown in Inches	10.05						

**Falls Creek Lot 38
Repair**

Bench Mark		Is = 100.00 Location of BM		Elevation Head					
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.		1.70		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
4	Pink	4.70	95.30	135	3/4in SCH 80	10.1	160.00	405	0.3951
5	Red	5.80	94.20	135	3/4in SCH 80	10.1	160.00	405	0.3951
6	Orange	6.80	93.20	135	3/4in SCH 80	10.1	160.00	405	0.3951

	total	feet =	405	gal/min =	30.3	<u>LTAR =</u>	0.3000
						<u>LTAR + %5</u>	0.3150
% of Dose Vol.	75	<u>Des. Flow</u>	480			(ltar W/ INOV)	0.4000
Dose Volume	197.44	Pump Run=	15.84			(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	6.52	Tank Gal/IN	19.65				
Drawdown in Inches	10.05						



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Louisburg, NC 27549
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Fax: 919-496-8127
www.franklincountync.us

FRANKLIN COUNTY ENVIRONMENTAL HEALTH SEPTIC SYSTEM PUMP REQUIREMENTS

PUMP SYSTEM FEE

An additional fee of fifty dollars (\$50.00) is assessed when a pump and related components are required for a new septic system. This fee must be paid prior to the Operations Permit being issued. Franklin County Environmental Health request the fee is paid before beginning the septic installation to make the final inspection go smoothly. *The septic permit will not be signed off and a CO cannot be obtained until this fee is paid.* This fee may be paid in person or by mail at:

Franklin County Health Department
Environmental Health Section
107 Industrial Dr, Suite C
Louisburg NC 27549

When making payment, please provide the permit number and the applicant name to ensure the payment is applied to the correct permit.

PUMP TO GRAVITY DISTRIBUTION

Unless otherwise noted on your septic permit or related attachments, the minimum type distribution method for your septic system is by means of a distribution box (D-box). This is achieved by pumping the wastewater to a D-box and allowing gravity to naturally disperse the wastewater equally to each drain line. This type distribution may be used for up to four (4) drain line laterals. The D-box should be watertight. The supply line is to be terminated in the D-box with a 90 degree elbow directed downwards to prevent a "swirling" action of the wastewater. The D-box location should be marked on-site to make it easily identifiable and prevent damage.

REQUIREMENTS FOR PUMP SYSTEMS
(Pump to conventional, pressure manifold, or LPP)

The following requirements must be met, in addition to the requirements on the permit itself:

Tanks and Risers-

- all tanks shall be constructed according to plans which have been approved by the Division of Environmental Health
- pump tanks shall have a riser which extends to at least 6" above the finished grade (riser is recommended on septic tank)
- pump tanks should be of "one piece" construction; if not, it shall be tested for water tightness by the approved method (if a soil wetness condition exist within 5' of the tank top)
- risers must be properly sealed to the top of the tank
- pipes shall be properly sealed into the tank
- pipes and conduit must exit riser through "knock-outs" provided
- vent shall be installed on pump tank if over 30' from facility

Supply Line-

- supply line shall be Schedule 40 PVC or stronger
- supply line shall have a check-valve, gate valve, and a threaded union (in order to allow easy removal of pump)-corrosion resistant rope or chain shall also be connected to pump
- supply line into box shall be elbowed with a 90 and extended down to within 2" of the bottom of the distribution box
- supply line shall be properly sealed at pump tank and box

Electrical-

- all connections, pump controllers, and alarm components shall be enclosed in a NEMA 4X (watertight) enclosure
- enclosure shall be securely mounted on a treated 4x4 post, adjacent to the pump tank, and at least 12" above grade
- wires from pumps and control floats shall be conveyed from the riser to the control panel through sealed electrical conduit (shall be sealed to be watertight and gastight)
- original plugs shall be used, with no splices in the wire cables
- control floats shall be sealed mercury type
- control floats shall be suspended from a PVC arm or "Christmas Tree" (not from the supply line) for unrestricted movement

Alarm System-

- power to high-water alarm shall be on a separate circuit from power to the pump
- alarm shall be audible and visible to system user
- alarm system shall be NEMA 4X or equivalent if mounted outside
- NEMA 4X junction box, containing a means of disconnection for the alarm float, shall be provided adjacent to the pump tank, if the alarm panel is located inside the facility

****electrical service or a generator must be available for final inspection in order to check pump and alarm system