



Construction Authorization

Franklin County Health Department
107 Industrial Drive
Louisburg, NC 27549
Phone: _____

For Office Use Only

*CDP File Number: 448237 - 1

County ID Number: _____

Evaluated For: NEW

PERMIT VALID UNTIL: 02/06/2030

☐ Open Pump System Sheet

Revised

Applicant: Bobby Sumner
Address: PO Box 1011
City: Youngsville
State/Zip: NC 27596
Phone #: home: (919) 422-5713

Property Owner: _____
Address: _____
City: _____
State/Zip: _____
Phone #: _____

Property Location & Site Information

Address/Road #: 75 Broadleaf Lane Louisburg, NC 27549 Subdivision: Grandiflora Phase: NEW Lot: 22
Structure: SINGLE FAMILY 75 Broadleaf Lane
of Bedrooms: 4
of People: 6
*Water Supply: _____

System Specifications

Usuable Soil Depth: 30 Minimum Trench Depth: _____ Inches
Design Flow: 480 Maximum Trench Depth: 18 Inches
Soil Application Rate: 0.3000 Minimum Soil Cover: _____ Inches
*System Classification/Description: TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS) Maximum Soil Cover: _____ Inches
*Proposed System: 25% REDUCTION *Distribution Type: GRAVITY - SERIAL
Nitrification Field: _____ Sq. ft. Septic Tank: 1,000 Gallons
No. Drain Lines: 5 Pump Required: ☐ Yes ☒ No ☐ May Be Required
Total Trench Length: 460 ft. ☐ Inches O.C. Pump Tank: _____ Gallons
Trench Spacing: _____ - 9 ☒ Feet O.C. Grease Trap: _____ Gallons
Trench Width: _____ - 3 ☒ Feet Septic Tank Installer
Aggregate Depth: _____ inches Grade Level Required: ☐ I ☐ II ☐ III ☐ IV

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements.

*Permit Conditions:

Soil Scien design from 3 bedroom to a 4 bedroom - revised.

The Authorization for Wastewater System Construction shall be valid for a period equal to the period of validity of the Improvement Permit and may be issued at the same time the Improvement Permit issued (NCGS 130A-336(b)). If the installation has not been completed during the period of validity of the Construction Permit, the information submitted in the application for a permit or Construction Authorization shall become invalid, and may be suspended or revoked (.0204(k)(1)). The person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regarding system location, installation, operation, maintenance, monitoring, reporting and repair (per rule .0301(a)).

Authorized State Agent: Jones, Lori

Date of Issue: 03/04/2025

☐ Hand Drawing

☒ Import Drawing

Site Plan/Drawing attached.

Total Time : (HH:MM) _____

From 3 -> 4 Bdrm (2-19-25)
S.S. design

Job#: 5140
Drawn By: JR
Date: 02/19/2025
Revision:

Grandiflora, Lot 22

Initial System TAP CHART

Bench Mark;	is = 100.00	Location of BM:						Elevation Head:	-93.60
Pump tank elev.	100.00	Pump elev.	94.60					Manifold elevation:	1.00
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR

	total feet =	0		gal/min =	0				
								<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	0.00		Pump Run=	#DIV/0!				(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	#DIV/0!		Tank Gal/IN	19.65					
Drawdown in Inches	0.00								

Grandiflora, Lot 22

Repair System TAP CHART

Bench Mark:	is = 100.00	Location of BM:						Elevation Head:	4.30
Pump tank elev.	100.00	Pump elev.	94.60					Manifold elevation:	98.90
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1 & 2	NF/Orange	2.10	97.90	105	1/2in SCH 40	7.11	120.00	315	0.3810
3	Green	2.80	97.20	105	1/2in SCH 40	7.11	120.00	315	0.3810
4	Purple	3.40	96.60	120	1/2in SCH 40	7.11	120.00	360	0.3333
5	Red	4.10	95.90	115	1/2in SCH 40	7.11	120.00	345	0.3478

	total feet =	445		gal/min =	28.44				
								<u>LTAR =</u>	0.2750
								<u>LTAR + %5</u>	0.2888
% of Dose Vol.	66		<u>Des. Flow</u>	480				(ltar W/ INOV)	0.3667
Dose Volume	190.91		Pump Run=	16.88				(ltar W/ INOV + 5%)	0.3850
Dose Pump Time	6.71		Tank Gal/IN	19.65					
Drawdown in Inches	9.72								

1900 South Main Street, Suite 110, Wake Forest, NC 27587

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PROPERTY ID #: 1873-58-5201

COUNTY: Franklin

(Complete all fields in full)

OWNER: Sumner Construction INC DATE EVALUATED: 02/18/2025

ADDRESS: _____

PROPOSED FACILITY: single-family dwelling PROPOSED DESIGN FLOW (.0400): 480 gal/day PROPERTY SIZE: 0.69 acres

LOCATION OF SITE: Grandiflora Subdivision, Lot 22 PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Public ☒ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: _____

EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Domestic ☐ High Strength ☐ IPWW

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): _____ suitable EVALUATED BY: _____ Jason Hall OTHER(S) PRESENT: _____ James Rice
Available Space (.0508)	yes	yes	
System Type(s)	IIb, accepted	IIIbg, accepted	
Site LTAR	0.3	0.275	
Maximum Trench Depth	18' on downhill side	20" on downhill side	

Comments: _____