



Construction Authorization

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

For Office Use Only

*CDP File Number: 331191 - 1

County ID Number: _____

Evaluated For: NEW

PERMIT VALID UNTIL: 12/30/2025

☐ Open Pump System Sheet

Applicant: JASON MASON

Address: 110 BLACK SWAN DR

City: YOUNGSVILLE

State/Zip: NC 27596

Phone #: _____

Property Owner: PATTERSON WOODS LLC

Address: 110 BLACK SWAN DR

City: YOUNGSVILLE

State/Zip: 27596

Phone #: _____

Property Location & Site Information

Address/Road #: 110 BLACK SWAN DR
YOUNGSVILLE, NC

Subdivision: EAST WOODS Phase: NEW Lot: 63

Directions: AT PATTERSON

Structure: SINGLE FAMILY

110 BLACK SWAN DR

of Bedrooms: 4

of People: 6

*Water Supply: PUBLIC

System Specifications

*Site Classification: Provisionally Suitable

Minimum Trench Depth: _____ Inches

Design Flow: 360

Maximum Trench Depth: 25 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 - PARALLEL (eq. d-box)

Nitrification Field: _____ Sq. ft.

Septic Tank: 1,000 Gallons

No. Drain Lines: 4

Pump Required: ☐ Yes ☒ No ☐ May Be Required

Total Trench Length: 300 ft.

☐ Inches O.C.

Pump Tank: _____ Gallons

☐ Feet O.C.

Trench Spacing: _____ - _____

☐ Inches

Grease Trap: _____ Gallons

☐ Feet

Trench Width: _____ - _____

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:

Install system as designed by CCSC. Flow reduction fixtures allow for reduced flow (360 gpd) for 4-bedrooms.

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 (.1937(g)). 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

Authorized State Agent: Ennis, Crystal

Date of Issue: 12/30/2020

☐ Hand Drawing

☐ Import Drawing

Site Plan/Drawing attached.

Total Time : (HH:MM) _____



File # 331191 PIN# _____

Property Address: 110 Black Swan Dr.

Applicant or Owner Name: Jason Mason

Environmental Health Septic/Well Permit Diagram

Building permits cannot be issued nor should construction begin without Construction Authorization issuance.

☒ Septic Improvement Permit ☒ Septic Construction Authorization (CA) ☐ CA Reissue** ☐ As Built
☐ Well Construction Authorization ☐ Additional Diagram/Specifications Attached

Diagram Date**: 12-30-20 EHS: Cynthia Evers

**Any previously dated CA diagram is revoked and/or invalid. Confirm this is the valid diagram for the site before beginning any construction.

Installation/grouting inspections may be scheduled the day before, or, the day of installation until 9am by contacting the Environmental Health office at 919 496 8100. A revisit fee may apply if installation is not ready for inspection at the time requested. Septic Operations Permits will be issued after installation is approved, all permits conditions are met, and any outstanding fees are paid. Well Certificate of Completion will be issued after well head approval, all permit conditions are met, and any outstanding fees are paid.

Septic Tank 1000 Pump Tank / Drainfield 3'x300' Type System Acc Max Trench Depth 25"

Septic Contractor _____ Septic/Pump tank dates _____ Pump fee? ☒ YES ☐ NO pd _____

Well Contractor _____ Well Grout date: _____

* See attached layout designed by CCS C*
* Flow reduction allows for 360 gpd for 4-bedroom*

N/F
PATTERSON WOODS LLC

N/F
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LOT 63, PHASE 6
EAST WOODS AT PATTERSON
37,135 SQ.FT.
0.85 ACRES

37135 Sq. Feet
0.8525 Acres

System: gravity to d-box
Lines: 1-4, (300')
Accepted Status System
0.3 Soil LTAR
25" Trench Bottom

Repair: T&J Panel
Lines: 5-6, (205')
0.3 Soil LTAR

System: 
Repair: 

GRAPHIC SCALE
1" = 40'



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
with 90 gal/day/bedroom PE flow reduction
Lot 63 East Woods of Patterson Subdivision
Franklin County, North Carolina

Job# : 3562

Drawn By : JH

Date : 12/27/2020

Revision:

- *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 indicate.
- *No grading septic area.

BLACK SWAN DRIVE
(60' PUBLIC R/W)

PCB
3/4" OTP
LOT 63
MB 2018 PG 273

N86°53'31"E
95.43'

S00°30'19"E

N86°53'31"E

146.48'

206.38'

N10°22'21"E

S86°51'12"W

S86°52'16"W
104.53'

3/4" OTP

205.07'

200.18'

9' BSL

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EWP 63 **TAP CHART**

Bench Mark		is = 100.00	Location of BM:					Elevation Head	-0.10
Pump tank e	0	2	98.00	Pump elev.	93.00		Manifold elev.		92.90
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Blue	8.10	91.90	115	3/4in SCH 40	12.5	199.12	345	0.5771
6	Orange	9.20	90.80	90	3/4in SCH 80	10.1	160.88	270	0.5959

	total	feet =	205	gal/min =	22.6	<u>LTAR =</u>	0.6000
						<u>LTAR + %5</u>	0.6300
% of Dose Vol.	75		<u>Des. Flow</u>	360		(ltar W/ INOV)	0.8000
Dose Volume	99.94		Pump Run=	15.93		(ltar W/ INOV + 5%)	0.8400
Dose Pump Time	4.42		Tank Gal/IN	21			
Drawdown in Inches	4.76						

T&J Panel Block

Bench Mark:
Pump tank elev.
line
5
6
7
8

% of Dose Vol.
Dose Volume
Dose Pump Time
Drawdown in Inches