

neither the state nor local health department shall be liable for any damages caused by an engineered system approved or permitted

GRANVILLE VANCE

public health

IMPROVEMENT PERMIT

Granville County Health Dept
Environmental Health
101 Hunt Drive
Oxford, NC 27565
Phone: (252) 492-5263 Fax: (252) 492-2361

For Office Use Only

*CDP File Number _____
County ID Number: 182500203341
Evaluated For: NEW

PERMIT VALID UNTIL: 05/28/2026

*NOTE TO INSPECTIONS DIVISION: Building Permits cannot be issued with this Improvement Permit

Applicant: Grande Manor Homes
Address: 1151 Tarboro Rd
City: Youngsville
State/Zip: NC 27596
Phone #: home: (919) 669-5933

Property Owner: Grande Manor Homes
Address: 1151 Tarboro Rd
City: Youngsville
State/Zip: NC 27596
Phone #: home: (919) 669-5933

Property Location & Site Information

Address/Road #: 3588 Cotton Field Ct Wake
Subdivision: Preserve at Smith Creek
Structure: Forest NC 27587
Directions: SINGLE FAMILY
of Bedrooms: 4 (flow reduction)
of People: 8
*Water Supply: NEW WELL

System Specifications

Initial System
*Site Classification: PS Shallow Placement
Design Flow: 360
Soil Application Rate: 0.3000
*System Classification/Description: TYPE III B SYSTEM W/SINGLE EFFLUENT PUMP
*Proposed System: 25% REDUCTION
Minimum Trench Depth: _____ Inches
Maximum Trench Depth: 12 Inches
Septic Tank: 1000 Gallons
Pump Required: ☒ Yes ☐ No ☐ May Be Required
Pump Tank: 1000 Gallons

Repair System Required: ☒ Yes ☐ No ☐ No, but has Available Space

Repair System

*Site Classification: _____
Soil Application Rate: 0.300
*System Classification/Description: N/A (CT & J PANEL horizontal)
*Proposed System: 50% REDUCTION
Minimum Trench Depth: _____ Inches
Maximum Trench Depth: _____ Inches
Pump Required: ☒ Yes ☐ No ☐ May Be Required
Pump Tank: 1000 Gallons

No grading or construction activity is allowed in areas designated for system and repair without approval of Health Department

*Site Modifications

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

System (Initial/Repair) Laid out in field by Soil Scientist. Drain lines/Manifold min. 10' off property line. Must be MIN. 50' off all wells. Stay off 15' drainage easement. Haul in 6-8" off approved cover extending 5' past system (Sloped to drain)

The Department and Local Health Department may impose conditions on the issuance and may revoke the permits for failure of the system to satisfy the conditions, the rules, or this article. This permit is subject to revocation if the site plan, plat, or intended use changes (NCGS 130A-335(f)). The person owning or controlling the system location, installing, operation, maintenance, monitoring, reporting and repair (1932b(1))

Authorized State Agent

Bullock, Will

Date of Issue

05/28/2021

Total Time (HH MM)

☐ Hand Drawing

☒ Import Drawing

Site Plan/Drawing attached.

(Jail General)

GRANVILLE VANCE
public health

Construction Authorization

Granville County Health Dept
Environmental Health
101 Hunt Drive
Oxford, NC 27565
Phone: (252) 492-5263 Fax: (252) 492-2361

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*CDP File Number 357615 - 1
County ID Number 182500203341
Evaluated For: NEW

PERMIT VALID UNTIL: 05/28/2026
☐ Open Pump System Sheet

Permitted
Perseant
Session
law
2014/20
section

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Phone #: home (919) 669-5933

Property Owner: Grande Manor Homes
Address: 1151 Tarboro Rd
City: Youngsville
State/Zip: NC 27596
Phone #: home (919) 669-5933

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Property Location & Site Information

Address/Road # 3588 Cotton Field Ct Wake Forest, NC 27587 Subdivision: Preserve at Smith Creek Phase NEW Lot 74
Structure: SINGLE FAMILY
of Bedrooms: 4 (Flow Reduction)
of People: 8
*Water Supply: NEW WELL

System Specifications

*Site Classification: PS Shallow Placement Minimum Trench Depth: _____ Inches
Design Flow: 360 Maximum Trench Depth: 12 Inches
Soil Application Rate: 0.3000 Minimum Soil Cover: 6 Inches
*System Classification/Description: TYPE III B. SYSTEM W/SINGLE EFFLUENT PUMP Maximum Soil Cover: 8 Inches
*Proposed System: 25% REDUCTION *Distribution Type: PRESSURE MANIFOLD
Nitrification Field: 900 Sq. ft. Septic Tank: 1,000 Gallons
No Drain Lines: 5 Pump Required: ☒ Yes ☐ No ☐ May Be Required
Total Trench Length: 300 ft. ☐ Inches O.C. ☒ Feet O.C. Pump Tank: 1,000 Gallons
Trench Spacing: 9 - ☐ Inches ☒ Feet Grease Trap: _____ Gallons
Trench Width: 3 - ☐ Inches ☒ Feet Septic Tank Installer: ☐ I ☒ II ☐ III ☐ IV
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:

System (Initial/Repair) Laid out in field by Soil Scientist. Drain lines/Manifold min. 10' off property line. Must be MIN 50' off all wells. Stay off 15' drainage easement. Haul in 6-8" off approved cover extending 5' past system (Sloped to drain). 50' min. off creek

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

Bullock, Will

Will Bullock

Date of Issue: 05/28/2021

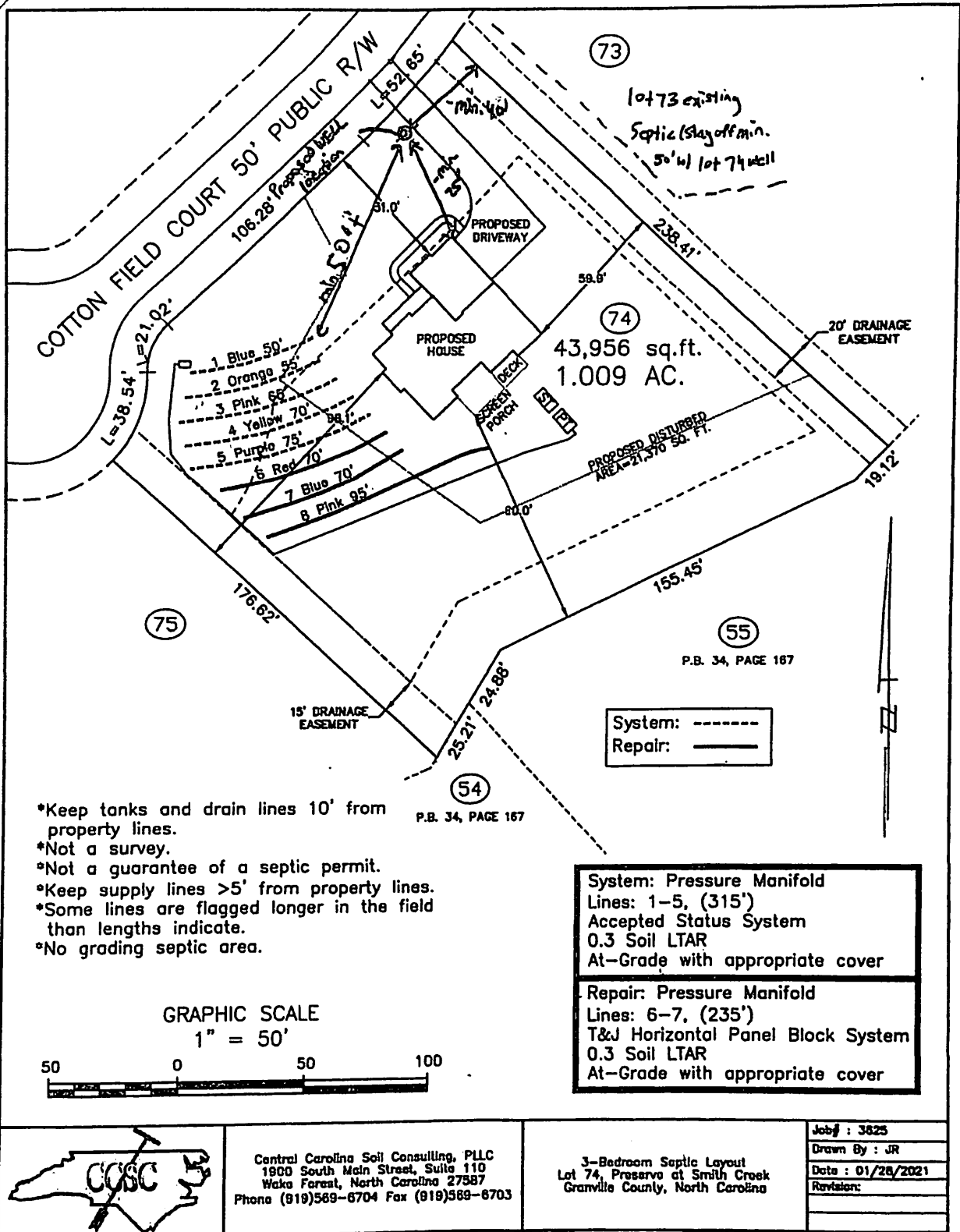
Site Plan/Drawing attached.

Total Time: (HH:MM)

☐ Hand Drawing

☒ Import Drawing

(Soil scientist)



flow reduction 3 → 4 bedroom

Preserve at Smith Creek, lot 74 TAP CHART

Bench Mark		is = 100.00 Location of BM				Elevation Head				4.50
Pump tank elev.		100.00		Pump elev.	94.60	Manifold elev.			99.10	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
1	Blue	1.90	98.10	50	1/2in SCH 80	5.48	64.34	150	0.4290	
2	Orange	3.60	96.40	55	1/2in SCH 80	5.48	64.34	165	0.3900	
3	Pink	5.20	94.80	65	1/2in SCH 80	5.48	64.34	195	0.3300	
4	Yellow	7.30	92.70	70	1/2in SCH 40	7.11	83.48	210	0.3975	
5	Purple	9.60	90.40	75	1/2in SCH 40	7.11	83.48	225	0.3710	
		total	feet =	315	gal/min =	30.66	<u>LTAR =</u>		0.3000	
							<u>LTAR + %5</u>		0.3150	
% of Dose Vol.		75	<u>Des. Flow</u>		360	(ltar W/ INOV)		0.4000		
Dose Volume		153.56	Pump Run=		11.74	(ltar W/ INOV + 5%)		0.4200		
Dose Pump Time		5.01	Tank Gal/IN		19.65					
Drawdown in Inches		7.81								

Preserve at Smith Creek, lot 74 Repair TAP CHART

Bench Mark		is = 100.00 Location of BM		Elevation Head		-4.80			
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.		89.80		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
6	Red	11.20	88.80	70	1/2in SCH 40	7.11	120.00	210	0.5714
7	Blue	13.30	86.70	70	1/2in SCH 40	7.11	120.00	210	0.5714
8	Pink	15.30	84.70	95	1/2in SCH 40	7.11	120.00	285	0.4211
		total	feet =	235	gal/min =	21.33	<u>LTAR =</u>		0.3000
						<u>LTAR + %5</u>		0.3150	
% of Dose Vol.		75	<u>Des. Flow</u>		360	(ltar W/ INOV)		0.6000	
Dose Volume		114.56	Pump Run=		16.88	(ltar W/ INOV + 5%)		0.6300	
Dose Pump Time		5.37	Tank Gal/IN		19.65				
Drawdown in Inches		5.83							

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public health

Well Construction Permit

Granville County Health Dept
Environmental Health
101 Hunt Drive
Oxford NC, 27565
Phone: (252) 492-5263 Fax: (252) 492-2361

For Office Use Only

*CDP File Number 357615

PIN Number: 182500203341

Tax Lot #: 74 Tax Block #: _____

Evaluated For: SINGLE FAMILY 1 WELL

Property Owner: Grande Manor Homes

Address: 1151 Tarboro Rd

City: Youngsville

State/Zip: NC / 27596

Phone #: H: (919) 669-5933

Applicant: Grande Manor Homes

Address: 1151 Tarboro Rd

City: Youngsville

State/Zip: NC / 27596

Phone #: H: (919) 669-5933

Property Location & Site Information

Address/Road #: _____

Subdivision: _____

Phase: _____

Lot: _____

3588 Cotton Field Ct

Wake Forest NC, 27587

Preserve at Smith Creek

*Proposed use of Well: SINGLE FAMILY

Directions

If Other: _____

Well Contractor Information

Drilling Contractor: _____

Driller Registration: _____

Permit Conditions

*Permit Conditions

50' min. off any part of septic (including neighboring lots). Min. 25' off house foundation. Min. 10' off front property line. Min. 40' off left property line to get setback off of lot 73 existing septic.

**Must meet driller on site to discuss well location
prior to drilling (MANDATORY)*

Well location, construction and protection must meet all state and local regulations and must be inspected and approved by an authorized representative of the Local Health Department. The permit may be revoked at any time for failure to comply with existing regulations. The siting of approved well construction area(s) by the Health Department is to provide protection from the known possible sources of contamination. The approved well area(s) may not be changed without permission from an authorized representative of the Local Health Department. No volume of quality of water is guaranteed by the Health Department.

*Issued By: Bullock, Will

Authorized State Agent: Will Bullock

Owner/Applicant: Grande Manor Homes

*Date of Issue: 07/08/2021

☒ Hand Drawing

☐ Import Drawing

****Site Plan/Drawing attached.****