

Orange County Health Department

(919) 245-2360



131 West Margaret Lane
Unit 100
P.O. Box 8181
Hillsborough, NC 27278

IMPROVEMENT PERMIT

PIN: 9860500132	Property Address: 8700 UNION GROVE CHURCH RD CHAPEL HILL NC 27516
Application Date: 1/28/2026 4:04:45PM	Township: CHAPEL HILL-7
Permit Number: IP26-0020	
Applicant: POULTON JOHN 8720 UNION GROVE CHURCH RD CHAPEL HILL NC 27516	Owner: POULTON JOHN 8720 UNION GROVE CHURCH RD CHAPEL HILL NC 27516
Phone: 919-614-1046	Phone: 919-614-1046
Email: jp@cs.unc.edu	Email: jp@cs.unc.edu
Description: 6 REV JENNIFER C MIGGS & JOHN W & SUSAN M POULTON P122/83	Lot Size: 5.82 Acres
Water Supply: Private Well	
Facility Type: Single Family Home	

<u>Initial System</u>		<u>Replacement System</u>	
Wasteflow: 120 GPD	System Classification: IIIb: Pump System	System Classification: IIIb: Pump System	
No. of Bedrooms: 1	Useable Soil Depth: 46	Useable Soil Depth: 30	
Site Classification: Suitable	LTAR: 0.275 gpd/ft2	LTAR: 0.250 gpd/ft2	

Conditions:

1. This permit issued under and subject to the 2024 Orange County Regulations for Wastewater Treatment and Disposal Systems.
2. Both parcels are owned by the same individual; this permit to establish Initial Soil Area for proposed 1BR Tiny Home on adjacent lot per owner request to pursue possible gravity installation; Repair Soil Area will be the soil area previously permitted as Initial and Repair Soil Area per IP25-0360 (attached).
3. A deed of easement must be reviewed and approved by the OCHD and the Orange County Attorney, and subsequently recorded, before a CA may be issued for this system.
4. If gravity installation (IIa) is possible due to final house elevation, plumbing stub-out, tank placement, etc., then pump system will not be required.

This Improvement Permit serves as a soil and site evaluation only. A *Construction Authorization* is required for constructing, expanding, or repairing a septic system.

Do NOT disturb the soil area. Any changes to the site that alter the soil areas of the initial and repair areas shall result in the revocation of Permit.

Refer to the attached site plan showing the system and the proposed structures and other site conditions.

There may be other types of systems which are applicable to this site. The applicant for the *Construction Authorization* must specify the system types to be considered.

ISSUED: 03/05/2026

A handwritten signature in black ink, appearing to read "Ian Olson".

EXPIRES: 03/05/2031

Ian Olson, Environmental Health
Specialist

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

IP26-0020

(Complete all fields in full)

OWNER: John Patton Paulson DATE EVALUATED: 2-25-2026
 ADDRESS: 8700 Union Grove Church Rd
 PROPOSED FACILITY: 1 BR ADU/SFD PROPOSED DESIGN FLOW (.0400): 1.00 PROPERTY SIZE: _____
 LOCATION OF SITE: PIW: 5860500132 PROPERTY RECORDED: _____
 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

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	SS 4%	0-36	C S8K	Fi mp Sexp	—	—	—	—	S .275	46"
		36-48	C (BL) S8K	Fi mp Sexp						
2	SS 5%	0-36	C S8K	Fi mp Sexp	—	—	—	—	S .275	46"
		36-48	C (BL) S8K	Fi mp Sexp						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM*	
Available Space (.0508)	S	S	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>E. Olson</u> EVALUATION DATE: <u>2-25-2026</u> OTHER(S) PRESENT: _____
System Type(s)	III 5"	III 6"	
Site LTAR	.275	.25	
Maximum Trench Depth	34"	18"	

Comments: * see IP25-0360 for additional soil notes.

** gravity install may be possible due to final house elevation and tank placement.

Orange County Health Department

(919) 245-2360



131 West Margaret Lane
Unit 100
P.O. Box 8181
Hillsborough, NC 27278

IMPROVEMENT PERMIT

PIN: 9860503027
Application Date: 12/22/2025 10:56:54AM

Property Address:

Permit Number: IP25-0360

Township: CHAPEL HILL-7

Applicant: PALTON JOHN
8720 UNION GROVE CHURCH RD
CHAPEL HILL NC 27516
Phone: 919-614-1046
Email: jp@cs.unc.edu

Owner: PALTON JOHN
8720 UNION GROVE CHURCH RD
CHAPEL HILL NC 27516
Phone: 919-614-1046
Email: jp@cs.unc.edu

Description: #5 E C NEVILLE
Water Supply: Private Well
Facility Type: Single Family Home

Lot Size: 4.77 Acres

Initial System

Replacement System

Wasteflow: 120 GPD
No. of Bedrooms: 1
System Classification: IIIb: Pump System
Useable Soil Depth: 30
Site Classification: Suitable
LTAR: 0.250 gpd/ft2

System Classification: IIIb: Pump System
Useable Soil Depth: 30
LTAR: 0.250 gpd/ft2

Conditions:

1. This permit issued under and subject to the 2024 Orange County Regulations for Wastewater Treatment and Disposal Systems.
2. Construction Authorization Required For This Project
3. Well Permit Required For This Project
4. Lot is repair exempt (deeded 1976), however, there is sufficient space for repair if needed.

This Improvement Permit serves as a soil and site evaluation only. A *Construction Authorization* is required for constructing, expanding, or repairing a septic system.

Do NOT disturb the soil area. Any changes to the site that alter the soil areas of the initial and repair areas shall result in the revocation of Permit.

Refer to the attached site plan showing the system and the proposed structures and other site conditions.

There may be other types of systems which are applicable to this site. The applicant for the *Construction Authorization* must specify the system types to be considered.

ISSUED: 01/15/2026

A handwritten signature in black ink, appearing to read "Ian Olson".

EXPIRES: 01/15/2031

Ian Olson, Environmental Health
Specialist

NC 811: Call Before You Dig

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

IP25-0360

OWNER: John Pelton DATE EVALUATED: 1-13-2026
 ADDRESS: TBD Union Grove Rd
 PROPOSED FACILITY: 1 BR SFD PROPOSED DESIGN FLOW (.0400): 1.0 PROPERTY SIZE: 4.7 A
 LOCATION OF SITE: PN: 9860503027 PROPERTY RECORDED: _____
 WATER SUPPLY: Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50'
 EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	SS 4%	0-8	Fill/c ^g sbk	Fr ^{ss} exp	10YR 8/1 e15	—	—	—	U	14"
		8-15	CL/c ^g sbk	VF ^{ss} exp						
2	SS 4%	0-12	CL sbk	Fr ^{ms} exp	5Y 8/d	—	—	—	U	11"
			M	exp						
			e12"	e12"						
3	R 10%	0-15	C sbk	Fi ^{ms} exp	—	R st	34"	—	S	34"
		15-34	C(BL) sbk	Fi ^{ms} exp						
4	R 10%	0-35	C sbk	Fi ^{ms} exp	—	—	43"	—	S	43"
		35-43	C(BL) sbk	Fi ^{ms} exp						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>I. Olson</u> EVALUATION DATE: <u>1-13-2026</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<u>S</u>	<u>S</u>	
System Type(s)	<u>IIIb</u>	<u>IIIb</u>	
Site LTAR	<u>.25</u>	<u>.25</u>	
Maximum Trench Depth	<u>18"</u>	<u>18"</u>	

Comments: 1 BR Tiny House

SOIL/SITE EVALUATION
(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: ORANGE

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0506 SOIL DEPTH	.0507 SAPRO CLASS	.0508 RESTR HORIZ		
5	4 4%	0-26	C SBK	Fi ^{ms} mp sxp	—	—	41"	—	S .25	40"
		26-41	C(BK) SBK	Fi ^{ms} mp sxp						
6	4 3%	0-25	C SBK	Fi ^{ms} mp sxp	—	—	31"	—	S .25	30"
		25-31	C(BK) SBK	Fi ^{ms} mp sxp						
			MOIST							

COMMENTS: _____