292 PERK TEST

CHATHAM COUNTY
NORTH CAROLINA

Improvement Permit for Wastewater Systems

Article II - Chapter 130A of the NC General Statutes

CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
80 EAST ST., P.O. BOX 130 - PITTSBORO, NC 27312-0130
PHONE 919-542-8208 / FAX 919-542-8288
www.chathamnc.org/environmentalhealth

Expiration Date: DECEMBER 21, 2027

New

Owner:	JOHN KRAPF
911 Address:	292 CHOICE TRAIL PITTSBORO, NC 27312
Parcel Number:	82236
Subdivision Name:	REPRIEVE
Subdivision Lot:	2

An Improvement Permit is issued to JOHN KRAPF for a site on a 4.10 acre parcel located at 292 CHOICE TRAIL in Chatham County. It is specifically issued for the following facility:

Facility: Single Family Dwelling
Type of Wastewater: Domestic

Number of Bedrooms: 4
Max Number of Occupants: 8

Design Flow: 480 GPD

Application Rate: 0.25 GPD/ft²

Initial System Type: III

Trench Product: Accepted (25% reduction)

Tank(s) Size with Risers and Effluent Filter: **ST** 1,000 Gal **PT** N/A Gal

Nitrification Line: **Length**: 480 ft. **Width**: 3 ft. **Max Depth**: 14 in. on downslope sidewall
*On contour in approved septic area; Sch. 40 PVC required over step-downs.

Repair System Type: Accepted (25% reduction)

Special Conditions: Drainfield must be covered with at least 6" of soil.

- *This permit is valid for five years but is subject to revocation if the site is altered, soil disturbed, setbacks violated, or the plans of intended use are changed.*
- *A site plan showing specific location of the facility, the site of the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.*
- *The Improvement Permit shall not be affected by change in ownership.*

- *A Construction Authorization must be obtained from this office before installation and prior to applying for building permits.*
- *Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams and step-downs.*

THIS IS NOT AN AUTHORIZATION TO INSTALL.

Issued by: Ray Milosh NC Registration #: 2977 Date: 12/21/2022
Ray Milosh – Registered Environmental Health Specialist

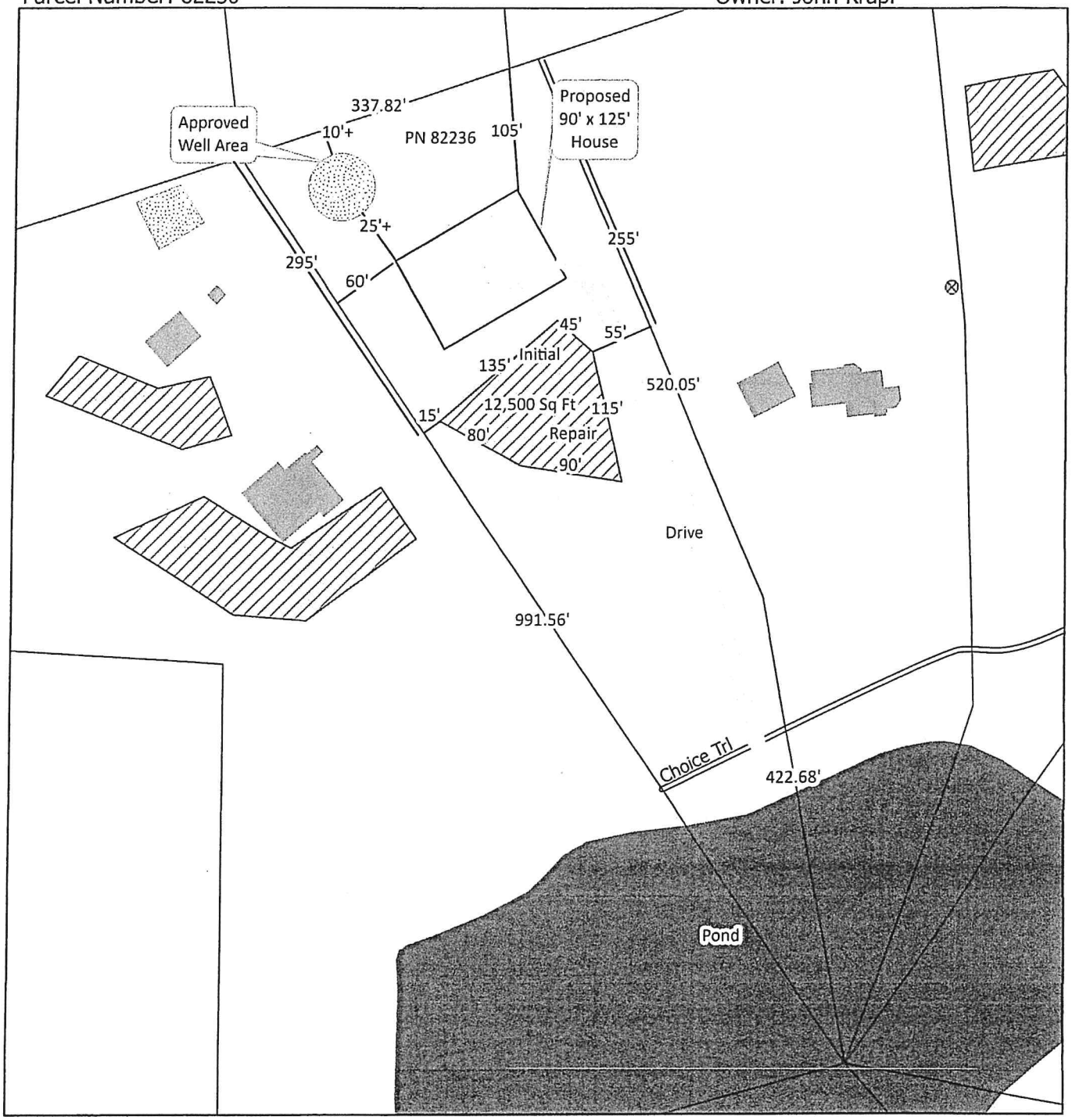
292 CHOICE TRAIL

4 BEDROOM PERK TEST

Improvement Permit Site Map

Parcel Number: 82236

Owner: John Krapf



Legend

- Existing Wells
- Approved Well Area
- Approved System Area
- Road Centerlines
- Waterbodies
- Building Footprints (2021)
- Parcels

N
W E
S

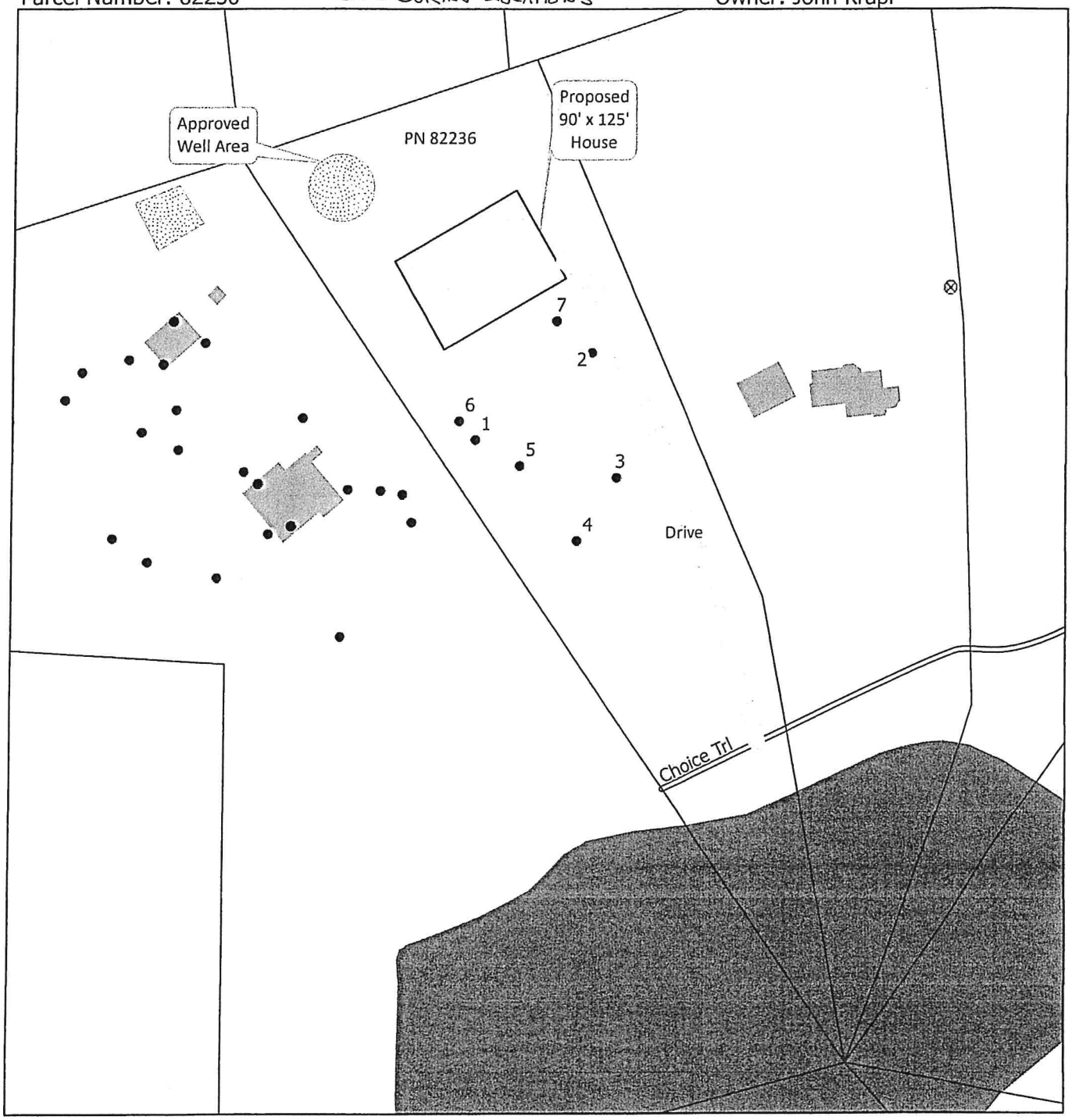
0 30 60 120 180 240 Feet

Author: Ray Gutschow

Date: 12/21/2022

Improvement Permit Site Map

Parcel Number: 82236 Soil Boring Locations Owner: John Krapf



Legend
- Auger Boring Sites
- Existing Wells
- Approved Well Area
- Road Centerlines
- Waterbodies
- Building Footprints (2021)
- Parcels

N
W E
S

0 30 60 120 180 240 Feet

Author: Ray Canfield

Date: 12/21/2022

CHATHAM COUNTY

SOIL/SITE EVALUATION
On-Site Wastewater System

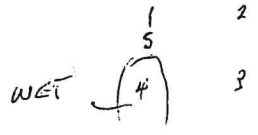
Applicant / Landowner: JOHN KRAPF TPN: 82236 Date: 12/14/22
Sub-Division Name and Lot #: REPRIEVE LOT 2
Property Address / Road Name: 292 ~~E99~~ CHOICE TRAIL
Proposed Facility: S.F. DWELLING Proposed Design Flow: 480 Property Size: 4.10
Water Supply: ☒Well ☐Public ☐Private ☐Other:
Evaluation Method: ☒Auger ☐Pit ☐Cut Type of Wastewater: ☒Sewage ☐Industrial ☐Mixed

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (In.)	SOIL MORPHOLOGY .1941(a)(1) & (a)(2) TEXTURE / STRUCTURE	SOIL MORPHOLOGY .1941(a)(3) CONSISTENCE/ MINEROLOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 / .1956 SOIL DEPTH/ SAPROLITE	OTHER PROFILE FACTORS .1944 RESTRICTIVE HORIZON	.1948 PROFILE CLASSIFICATION & LTAR
1,2	LS	0-12	SBK CL	VFR SSP SE		SAP		PS
6,7	8-10	12-32	SBK C	FR/FI SP SE	–	32	–	0.25
3,5	LS	0-8	SBK CL	VFR SE		PM		PS
	8-10	8-29	SBK C	FR SE	–	29	–	0.3
4,8	LS	0-4	SBK CL	VFR SE	WET			U
	8-10	4-12	SBK C	FR SE	7.5YR4/2 12"	–	–	

DESCRIPTOR	INITIAL SYSTEM	REPAIR SYSTEM	Other Factors (.1946)	
Available Space (.1945)	✓	✓	Site Classification (.1948)	
System Type	1111g	1111g	Evaluated By:	RAY MILOSH
Site LTAR	0.25	0.25	Others Present:	JOHN KRAPF

Comments:

NOTES:
HORIZON DEPTH - In inches below natural soil surface
SOIL WETNESS/COLOR - Inches below natural soil surface to free water or soil colors with chroma 2 or less; record Munsell color
SOIL DEPTH - In inches below natural soil surface to rock, saprolite, or parent material
SAPROLITE CLASS - S (suitable) or U (unsuitable)
RESTRICTIVE HORIZON - Thickness and depth from land surface
PROFILE CLASS - S (suitable), PS (provisionally suitable), or U (unsuitable)
LEGEND:



LANDSCAPE POSITION	GROUP	TEXTURE	LTAR, CONVENTIONAL, .1955	LTAR, LPP, .1957
CC (concave slope)	I (Suitable)	S (Sand)	1.2 - 0.8	0.6 - 0.4
CV (convex slope)		LS (Loamy Sand)		
D (drainage way)				
DS (debris slump)	II (Suitable)	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3
FP (flood plain)		L (Loam)		
FS (foot slope)				
H (head slope)		Si (Silt)		
L (linear slope)	III (Prov.Suitable)	SiCL (Silty Clay Loam)		
N (nose slope)		CL (Clay Loam)	0.6 - 0.3	0.3 - 0.15
R (ridge)		SCL (Sandy Clay Loam)		
S (shoulder slope)		SiL (Silt Loam)		
T (terrace)				
	IV (Prov. Suitable)	SC (Sandy Clay)		
		SiC (Silty Clay)	0.4 - 0.1	0.2 - 0.05
		C (Clay)		

SLOPE < 15% - S; 15% - 30% - PS; > 30% - US [30% - 65% reclassify PS if comply with .1956; > 65% US]

STRUCTURE	WET CONSISTENCE
SG (Single Grain) - S	NS (Non-Sticky) - S
M (Massive) - US	SS (Slightly Sticky) - S
CR (Crumb) - S	S (Sticky) - S
GR (Granular) - S	VS (Very Sticky - US
SBK (Subangular Blocky) - PS	NP (Non-Plastic) - S
ABK (Angular Blocky) - PS	SP (Slightly Plastic) - S
PL (Platy) - US	P (Plastic) - S
PR (Prismatic) - US	VP (Very Plastic) - US
MOIST CONSISTENCE	**MINERALOGY**
VFR (Very Friable) - S	SEXP (Slightly Expansive) - S
FR (Friable) - S	EXP (Expansive) - US [VFI, EFI, VS, or VP]
FI (Firm) - S	
VFI (Very Firm) - US	
EFI (Extremely Firm) - US	

294 WATER TEST

North Carolina State Laboratory of Public Health

Environmental Sciences

Microbiology

Certificate of Analysis

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

http://slph.ncpublichealth.com
Phone: 919-733-7308
Fax: 919-715-8611

FINAL REPORT

Report to: Environmental Health

CHATHAM CO ENVIRONMENTAL HEALTH
P O BOX 130, 80 EAST STREET
Pittsboro, NC 27312

Name of System:

John ~~Krape~~ Krapf
294 Choice Tr
Pittsboro, NC 27312

EIN: 566000284EH **Delivery:** NC Courier **Chatham County**

StarLiMS ID:	ES230302-0054	Date Collected:	03/01/2023	Time Collected:	10:00	By:	Ray Milosh
		Date Received:	03/02/2023	Time Received:	08:35	By:	Angela Heybroek
Sample Source:	Well water	Sampling Point:	Kitchen sink				
Sample Type:	Raw	GPS No.					
Treatment:		Well Permit No.	80755				

Comment:

Colilert Profile **Method: SM 9223B**

Analyte	Test Result	Unit	Conclusion	Date Tested
Total Coliform	Absent			03/02/2023
E. coli	Absent			03/02/2023

Report Date: 03/03/2023 **Reported By:** KPLEMMONS

294 CHOICE TRAIL
WELL WATER TEST RESULTS

Explanations of Coliform Analysis:
If coliform bacteria are **Absent**, the water is considered safe for drinking purpose. If coliform bacteria are **Present**, the water is considered unsafe for drinking purpose. Presence of *E. coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

North Carolina Division of Public Health
Occupational and Environmental Epidemiology Branch, Epidemiology Section
BIOLOGICAL ANALYSIS REPORT

Private well water information and recommendations

County: Chatham **Name:** John Krapf
Sample ID Number: 80755 **Location:** 294 Choice Tr.
Date Reviewed: 3-1-2023 **Reviewer:** DP **Emailed:** 3-9-23

Initial Sample ☑ Confirmation Sample ☐

BIOLOGICAL ANALYSIS RESULTS AND RECOMMENDATIONS FOR USES OF YOUR PRIVATE WELL WATER (These recommendations are based on biological analysis only.)

✓ No coliform bacteria were found in your well water. Your water can be used for all purposes including drinking, cooking, washing dishes, bathing and showering.

_____ Total coliform bacteria were detected in your water sample. Total Coliform are a group of related bacteria that are (with few exceptions) not harmful to humans. A variety of bacteria, parasites, and viruses, known as pathogens, can potentially cause health problems if humans ingest them. EPA considers total coliforms a useful indicator of other pathogens for drinking water. Total coliforms are used to determine the adequacy of water treatment and the integrity of the distribution system

_____ It is recommended that your well water be re-tested to verify that the result is accurate.

_____ Fecal coliform bacteria were detected in the sample. **Do not use the water for drinking, cooking, washing dishes, bathing or showering.**

****A new application and fee are required for resamples to be collected.**

If the re-test shows contamination by bacteria contact your local health department for assistance. There may be a problem with the construction of the well, the groundwater source, or operation of the well. The well needs to be inspected by the local health department or a local well contractor to determine the problem with the well and to give guidance on how to correct the problem.

Your well water was tested for biological contaminants (total coliform and fecal coliform bacteria). The results were evaluated using the federal drinking water standards.

Drinking water may contain substances that can occur naturally in water or can be introduced into water from man-made sources. Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. Total coliform or fecal coliform bacteria in well water indicate that the well may have structural problems or that the well was not properly disinfected.

If you have been drinking the well water and are pregnant, nursing, have a child in the household under 5 years of age, or immunocompromised (such as an individual with AIDS, cancer, hepatitis, dialysis or surgical procedures) inform your physician of these results at your next visit.

If the contamination continues, you should investigate the possibility of drilling a new well or installing a point-of-entry disinfection unit which can use chlorine, ultraviolet light, or ozone.

For further information please contact your county health department or the Occupational and Environmental Epidemiology Branch at 919-707-5900.