

Orange County Health Department

(919) 245-2360



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

IMPROVEMENT PERMIT

PIN: 9840531134	Property Address: 4637 ARRAY DR CHAPEL HILL NC 27516
Application Date: 12/4/2023 1:36:31PM	
Permit Number: IP23-0360	Township: BINGHAM-6
Applicant: *NEWPHIRE BUILDING CORP 1012 REAVES DR CHAPEL HILL NC 27516 Phone: 919-928-2664 Email: newphirebuilding@yahoo.com	Owner: RAJAGOPALAN NATARJAN AND HARINI 6343 Calais Dr Indianapolis IN 46220 Phone: 317-459-8495 Email: harini.raj10@gmail.com
Description: 9 ARRAY P125/129 Water Supply: Private Well Facility Type: Single Family Home	Lot Size: 1.52 Acres

<u>Initial System</u>		<u>Replacement System</u>	
Wasteflow: 360 GPD	System Classification: Ilc: Conventional (Shallow)	System Classification: Vcd: Drip Dispersal-Subsurface	
No. of Bedrooms: 3	Useable Soil Depth: 31	Useable Soil Depth: 19	
Site Classification Provisionally suitable	LTAR: 0.250 gpd/ft2	LTAR: 0.100 gpd/ft2	

Conditions:

1. This permit replaces previous permit IP21-0119; see attached for soil notes.
2. This permit issued under and subject to the 2015 Orange County Regulations for Wastewater Treatment and Disposal Systems..
3. The REPAIR AREA is designated for a Pretreatment Drip Irrigation System that must meet effluent quality standards of less than 25mg/L CBOD and less than 30 mg/L TSS (NSF-40 standards)
Refer to the attached site plan for specific information regarding location of the designated area. Soil and site descriptions are located on file at Environmental Health.
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.
The permit and evaluation are valid only for the site as designated on the attached site plan.
A Construction Authorization must be issued prior to the issuance of the Building Permit and before any construction or system installation can commence.
This permit is subject to revocation if the site plan, plat, or intended use changes or if the site is altered.
Subsequent changes to the site plan or information in the application require a new application and additional fees.

ISSUED: 01/09/2024

A handwritten signature in black ink, appearing to read "Ian Olson", is written over a horizontal line.

Ian Olson, Environmental Health
Specialist

NC 811: Call Before You Dig

EXPIRES: 01/09/2029

Orange County Health Department

(919) 245-2360
(919) 644-3006 (FAX)



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

IMPROVEMENT PERMIT

PIN: 9840435353
Application Date: 4/8/2021 12:00:00AM

Property Address:

Permit Number: IP21-0119

Township: BINGHAM-6

Applicant: BAKST JODI

Owner: BURT STEPHEN AND SHARON
7951 LAKE ROSS LN
SANFORD FL 32771

Phone: 919-697-5014

Phone: 407-580-7189

Email: jodi@realestateexperts.net

Email: steveburt1@me.com

Description: E/S SR 1006 P122/128

Lot Size: 54.10 Acres

Water Supply: Private Well

Facility Type: Single Family Home

Initial System

Replacement System

Wasteflow: 600 GPD

System Classification: Ilg: Accepted Trench,
25% Reduction

System Classification: Vcd: Drip
Dispersal-Subsurface

No. of Bedrooms: 5

Useable Soil Depth: 31

Useable Soil Depth: 19

Site Classification

LTAR: 0.250 gpd/ft2

LTAR: 0.100 gpd/ft2

Provisionally suitable

Conditions:

1. This permit is for Lot # 9 (1.52 Acres) to be split off from Parent Parcel # 9840-43-5353.
2. The Repair is for a Pretreatment Drip Irrigation system that must meet effluent quality standards of less than 25mg/L CBOD and less than 30 mg/L TSS (NSF-40 standards)

Refer to the attached site plan for specific information regarding location of the designated area. Soil and site descriptions are located on file at Environmental Health.

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.

The permit and evaluation are valid only for the site as designated on the attached site plan.

A Construction Authorization must be issued prior to the issuance of the Building Permit and before any construction or system installation can commence.

This permit is subject to revocation if the site plan, plat, or intended use changes or if the site is altered.

Subsequent changes to the site plan or information in the application require a new application and additional fees.

ISSUED: 06/29/2021

A handwritten signature in black ink, appearing to read "David Ward".

David Ward, Environmental Health
Specialist

NC 811: Call Before You Dig

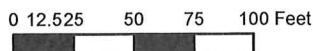
EXPIRES: 06/27/2026



IP Site Sketch
 Lot 9, Array S/D
 IP21-0119
 06/28/2021
 Jodie Bakst
 9840-43-5353
 Page 2 of 2



1 inch = 80 feet



Orange County Environmental Health

This map contains parcels prepared for the inventory of real property within Orange County, and is compiled from recorded deeds, plats and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The county and its mapping companies assume no legal responsibility for the information on this map.



0 40 80 160 240 320 Feet

This map contains parcels prepared for the inventory of real property within Orange County, and is compiled from recorded deeds, plats and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The county and its mapping companies assume no legal responsibility for the information on this map.

Environmental Health Division
P.O. Box 8181, 131 West Margaret Lane, Suite 100
Hillsborough, NC 27278
Phone 919-245-2360 Fax 919-644-3006
www.co.orange.nc.us

Lot # 9

Application Date:

Soil / Site Evaluation Field Sheet

Activity #: IP21-0119

Applicant:
Address:Owner:
Address:# Bedrooms Requested:
GPD requested:
Lot Size:

Prop Desc:

SOIL BORING PROFILE INFORMATION

Factors	Rule	91	92	93	94	95	96	97	8	9	10
Landscape Position	.1940	SH	SH	SH	SH	SH	SH				
Slope (%)	.1940	~4%	~5%	~5%	~5%	~5%	~6%				
Horizon 1 Depth	.1943	0-4	0-6	0-6	0-3	0-7	0-5				
Texture	.1941(a)(1)	SIL	SIL	SIL	SIL	SIL	SIL				
Consistence	.1941	PROSS	PROSS	PROSS	PROSS	PROSS	PROSS				
Structure	.1941(a)(2)	CRF	CRF	CRF	CRF	CRF	CRF				
Clay Mineralogy	.1941(a)(3)	SHX	SHX	SHX	SHX	SHX	SHX				
Horizon 2 Depth	.1943	4-9	6-19	6-16	3-7	7-11	5-8				
Texture	.1941(a)(1)	SIL	SIL	SIL	SIL	SIL	SIL				
Consistence	.1941	PROSS	PROSS	PROSS	PROSS	PROSS	PROSS				
Structure	.1941(a)(2)	CRF	CRF	CRF	CRF	CRF	CRF				
Clay Mineralogy	.1941(a)(3)	SHX	SHX	SHX	SHX	SHX	SHX				
Horizon 3 Depth	.1943	9-41		16-25	7-24	11-26	8-18				
Texture	.1941(a)(1)	SIL		SIL	SIL	SIL	SIL				
Consistence	.1941	FIRM		FIRM	FIRM	FIRM	FIRM				
Structure	.1941(a)(2)	SHM		SHM	SHM	SHM	SHM				
Clay Mineralogy	.1941(a)(3)	SHX		SHX	SHX	SHX	SHX				
Horizon 4 Depth	.1943	41-48		25-38	24-33	26-35	18-32				
Texture	.1941(a)(1)	SIL		SIL	SIL	SIL	SIL				
Consistence	.1941	POSS		FIRM	FIRM	FIRM	FIRM				
Structure	.1941(a)(2)	SHM		SHM	SHM	SHM	SHM				
Clay Mineralogy	.1941(a)(3)	SHX		SHX	SHX	SHX	SHX				
Soil Wetness	.1942										
Restrictive Horizon	.1944										
Saprolite	.1943/.1956			38"	33"	35"	32"				
Useable Soil Depth		47"	19"	36"	31"	32"	30"				
Profile Classification	.1948	P5	P5	P5	P5	P5	P5				
LTAR (gpd/ft ²)	.1955	300	100	225	250	250	225				
Available Space	.1945	5	DRP								
Site Classification	.1948	P5									

*Indicates Reclassified PS per .1956 .1957 .1969

Primary System LTAR	250	System Type	25% Reduction System	PS Soil Depth (in.)	31"
Repair System LTAR	100	System Type	15% pre-treatment drip irrigation	PS Soil Depth (in.)	19"

Comments: Heavily wooded lot

Evaluated By: P. J. W. W. W.

Date: 05/26/2021 Others Present:

P. J. W. W. W.
Excavator operator

05/27/2021