



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

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Division of Public Health

Submittal Includes: ☒ (a2) Improvement Permit ☒ (a2) Construction Authorization ☐ Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Granville

PIN/Lot Identifier: 097400543058

Issued To: Jamillah E Musawwir

Property Location: 6082 Zachary Ln. Oxford, NC

Subdivision (if applicable) Walnut Creek South Lot #: 1S Block: _____ Section: _____

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: Kerry Joe Johnson - License # 1264

New ☒ Expansion ☐ System Relocation ☐ Change of Use ☐

Facility Type: Single Family Residence

Number of bedrooms: 3 Number of Occupants: 6 Other: _____

Design Wastewater Strength: ☒ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.275 Proposed LTAR (Repair): 0.275

Proposed Wastewater System Type*: 2b - 25% Reduction Trench (Initial) Pump Required: ☐ Yes ☒ No ☐ May be required

Proposed Wastewater System Type*: 3e - Horizontal PPBPS Trench (Repair) Pump Required: ☐ Yes ☒ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Saprolite System (Initial): ☐ Yes ☒ No Saprolite System (Repair): ☐ Yes ☒ No

Fill System (Initial): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: 31" (slope corr.) Usable Depth to LC (Repair)*: 31" (slope corr.) * Limiting Condition

Max. Trench Depth (Initial)*: 19" Max. Trench Depth (Repair)*: 19" * Measured on the downhill side of the trench

Artificial Drainage Required: ☐ Yes ☒ No If yes, please specify details: _____

Type of Water Supply: ☒ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .0508: Yes ☒ No ☐ Drainfield location meets requirements of Rule .0601: Yes ☒ No ☐

Permit valid for: ☒ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

SEE ATTACHED CONDITIONS PAGE

Licensed Soil Scientist Print Name: Kerry Joe Johnson

Licensed Soil Scientist Signature: Kerry Joe Johnson, LSS Date: 7/28/2024

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch



Oakwood Homes of Burlington
2512 N. Church St.
Burlington, NC 27217

Re: Licensed Soil Scientist property evaluation and wastewater system design/layout for Granville County Parcel # 097400543058 located at 6082 Zachary Ln. Oxford.

To Whom It May Concern,

This Licensed Soil Scientist Evaluation is being submitted pursuant to and meets the requirements of GS 130A-335(a2).

A soil/site evaluation and wastewater system layout/design was performed on the above referenced 3.60 acre parcel to serve a 3-bedroom residence (maximum 6 occupants) with a total peak wastewater flow of 360 gallons per day. Work was conducted in accordance with the NC 18E Rules for Sewage Treatment and Disposal Systems.

Soil was evaluated on this property with a hand auger. Detailed soil horizon descriptions are included in this report with corresponding boring locations shown on the attached maps of the property. All borings were located using a Leica Zeno FLX100 PLUS GPS unit. Existing wells were not observed within 50 feet of the approved septic system area.

This report is requesting issuance of the Improvement Permit and Construction Authorization.

This report requests permitting installation of a gravity serial fed 25% reduction trench wastewater system with 330 linear feet of nitrification line to serve a 3-BR residence per the attached design criteria and conditions spelled out in this report. Repair for this site is designated as horizontal PPBPS.

This report is a total of 15 pages and must not be used or interpreted without the entire report in hand.

I am pleased to be of service in this matter and can be reached at your convenience if additional services or information is needed to ensure the successful completion of this project.

Kerry Joe Johnson, LSS

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North Carolina Licensed Soil Scientist #1264



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