



North Lakes Soil Consulting, PLLC
3325 Jones Lakes Road
Fuquay-Varina, NC 27526
john@northlakessoil.com
910-539-5439

AUTHORIZATION TO OPERATE (ATO)

SITE INFORMATION:

County:	Harnett	PIN:	9575-00-2559.000
Site Address:	178 Graham's Mill Lane, Cameron		
Subdivision Name & Lot Number:	LOT#7 DAVID LACY GRAHAM MAP#2025-135		

OWNER INFORMATION:

Owner Name:	Superior Homes of the Sandhills LLC
Mailing Address:	5 Dowd Circle, Suite C, Pinehurst, NC 28374
Contact Number:	910-315-1822
Email:	superiorhomesofthesandhills@gmail.com

SYSTEM INFORMATION:

Project Type:	New Construction		
Design Daily Flow:	480 GPD	Eng. Flow Red.	No ▾
Number of Bedrooms:	4	Number of Occupants:	<8
Wastewater Strength:	Domestic (DSE) ▾	Effluent Standard:	Domestic (DSE) ▾
Facility Type:	Single-Family Residence ▾	Water Supply:	Private Well ▾
Initial System Type:	IIB - Gravity to Accepted 25% Reduction		
Repair System Type:	IIIBG - Pump to Low Profile Chamber		
Operator Required:	No ▾		

The wastewater system was found to be in compliance with applicable NC General Statutes, Rules for Wastewater Treatment and Dispersal Systems, and all conditions of the permit. The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. This Authorization to Operate is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

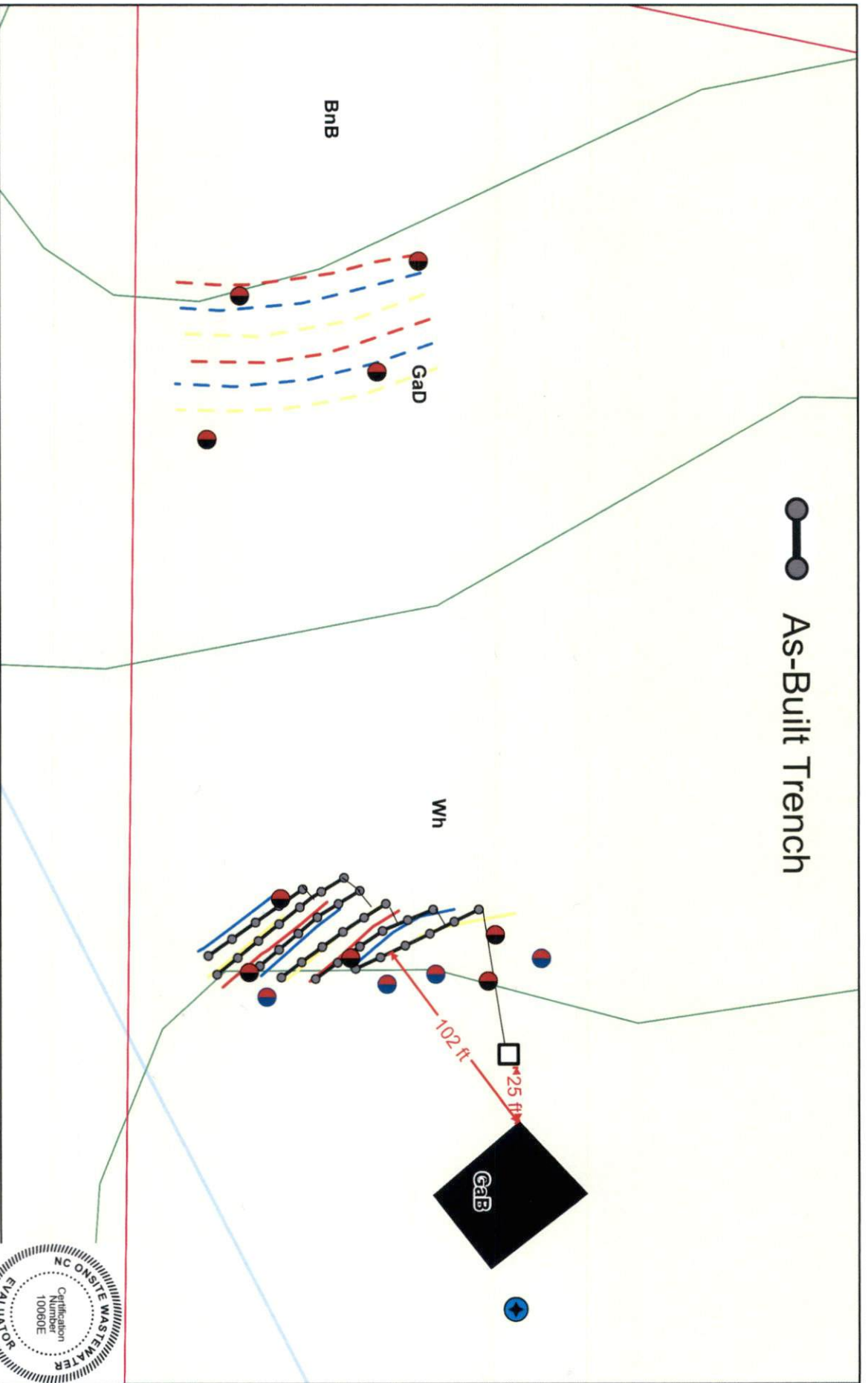
Date of Issuance: 9/13/2025
Date of Expiration: NA

Issued by: John Kase



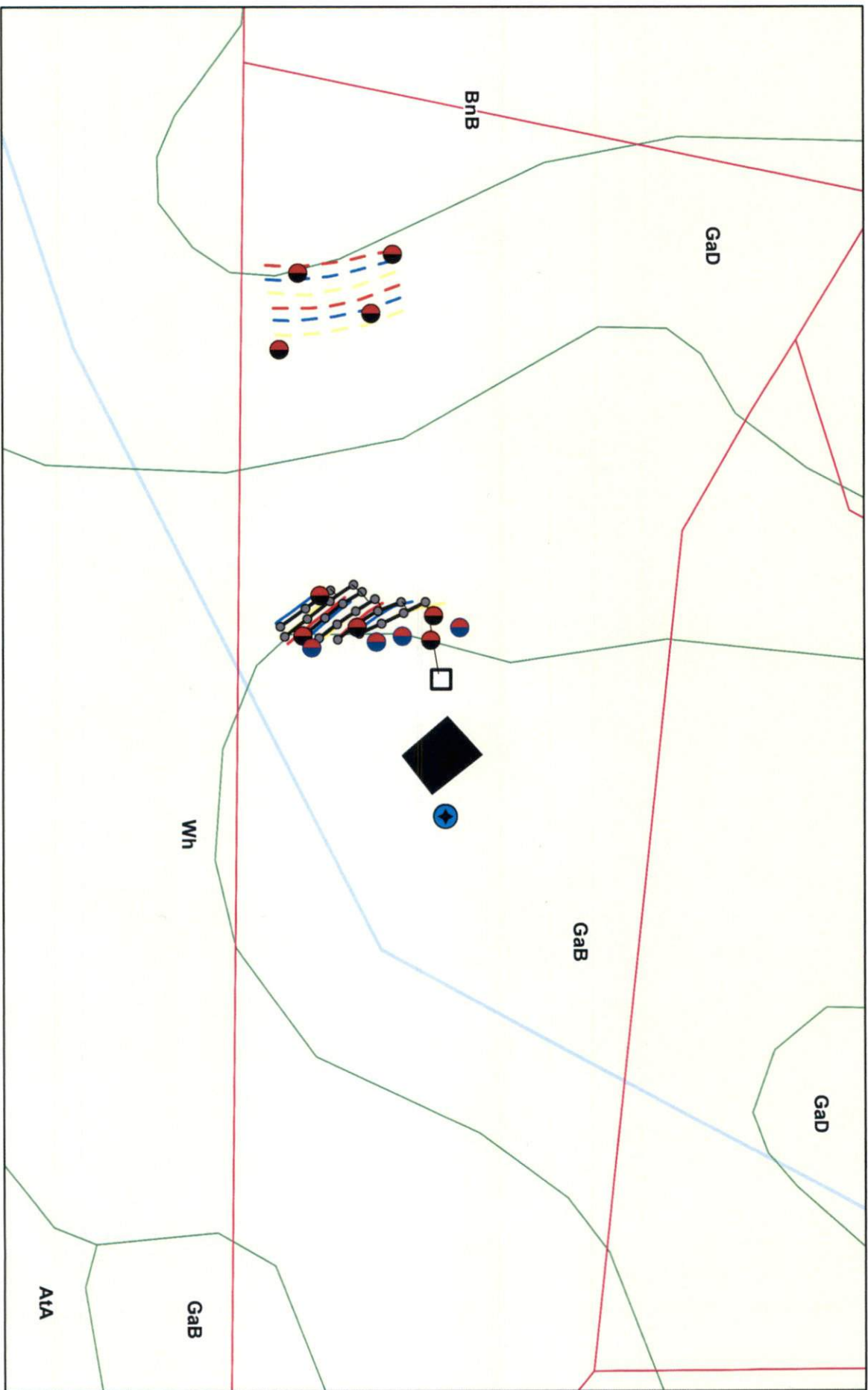
As-Built Lot 7 Grahams Mill Lane, Cameron

As-Built Trench



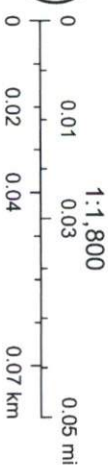
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

As-Built Lot 7 Grahams Mill Lane, Cameron



10/21/2025

- Preliminary Soil Borings**
- Aerobic Drip (13-17")
 - Detailed Soil Borings
 - Shallow/Ultra Shallow (24-29")
- Drain Lines**
- Initial Blue
 - Initial Red
 - Repair Blue
 - Repair Red
 - Repair Yellow
- Supply**
- House Box
 - NC Map Parcel - Parcel (poly)
 - NRCS Soil Data
- Septic Tank**
- Existing
- Wells**
- Existing



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Final Inspection Worksheet

Permit Number/Address: Lot 7- 178 Graham's Mill Lane Cameron

Installer Name/Certification Number: Garners Septic Service

Date:

Septic Tank - (Initials/date): jjk-9/23/25		Pump Tank - (Int/date): _____	
Manufacturer Stamp	STB-1000	Manufacturer Stamp	NA
ID Number	GTS-2157	ID Number	
Date		Date	
Filter	Watercore 646F	Elevation	
Elevation	1.1'	Safety Component	
Safety Component		Riser Type	
Riser Type	NA	Riser 6" Above Grade	
Riser 6" Above Grade	NA	Honey combing: Yor N	
Vent knocked out:	☒ Y or ☐ N	Honey combing: Yor N	
Distribution Device - (Int/date): jjk-9/23/25			
Distribution Type:	Serial	Supply Line (Size/Sch.)	3"SCH40PVC
Elevation:	0.1 (top of pipe at ST outlet)	Supply Line Length:	64' ft
Viewports:	Y or N NA	Flow Divider	no
Equal Flow:	Y or N NA	Speed levers:	Y or ☒ N
Cleanout and gate valve:	Y or N NA		
Drainfield - (Int/date): jjk-9/23/25		AggregateType: _____	
Tap Size/Step down	Lines	Trench Length/depth	Elevation Shots (Min. 3 and/or 1 every 20ft)
16 chambers + 3 endcaps'	Line #1	67' / 13"	6.9'
16 chambers + 3 endcaps'	Line #2	67' / 13"	7.5'
15 chambers + 3 endcaps'	Line #3	63' / 13"	8.2'
16 chambers + 3 endcaps'	Line #4	67' / 13"	9.4'
19 chambers + 3 endcaps'	Line #5	79' / 13"	10.3'
14 chambers + 3 endcaps'	Line #6	59' / 13"	10.9'
/	Line #7	/	
/	Line #8	/	
/	Line #9	/	
Pump Final - (Int/Date): _____		System Performance - (Int/date): _____	
Pressure Head (ft)		End	
Start (inches)		minus Start	
End (inches)	NA	multiply by GPI	NA
Time (minutes)		Divide by Time	
Tank Design (gallon/inch)			
System Design (gallon/min)		multiple by 100 (80-120%)	%
Check Control Panel - (Int/date): _____		Float Spacing - (Int/date): _____	
HOA Switch: Y or N		Design dose volume	gallons
Nema 4x box : Y or N	NA	divide by Tank design	gallon/inch
Cycle Counter: Y or N		On/Off Float Spacing	inches
		Pump on to Alarm	inches(minimum 6
Elapsed Time Meter: Y or N		Spacing	inches)
Pump Tank - (Int/date): _____			
Pump off: Y or N	NA	Union: Y or N	NA
Pump on: Y or N		Check Valve: Y or N	
Alarm Light: Y or N		Rope: Y or N	
Audible Alarm: Y or N		Anti-siphon: Y or N	