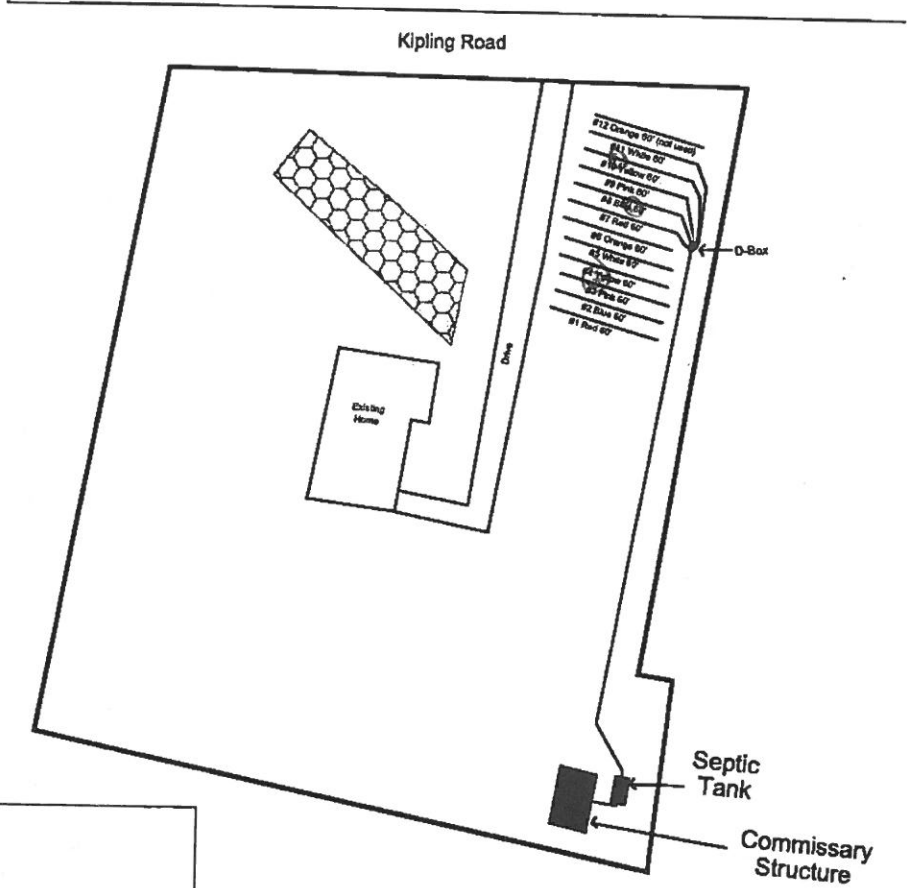


Preliminary Soils Evaluation

Chris Wrenn
129 Kipling Road
Harnett County, NC

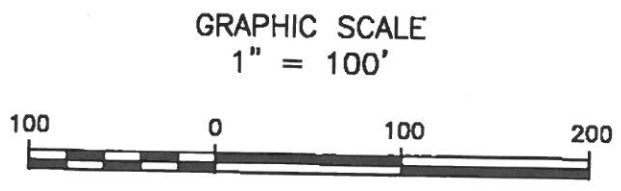


System: Gravity to D-Box
Lines: 7-11(300')
 0.4 LTAR
 24 Trench Bottom
 Accepted Status System
Repair: Gravity to D-Box
Lines: 1-5 (300')
 0.4 LTAR
 24" Trench Bottom
 Accepted Status System

Legend

Approximate location of existing gravity septic system

*Supply line will need clean outs every 50'



Adams
 Soil Consulting
 919-414-6761
 Project #602

Chris Wrenn
 ~ 129 Kipling Road
 Food Commissary (450 gal./day)

Daily Flow

	600 ft ²	Daily flow rate 300 gallons
Commissary Size (50 gallons per 100 ft ²)		
Food Trailer Prep space (50 gallons per 100 ft ²)	50 ft ²	50 gallons
Employees (25 gallons/employee)	2	50 gallons
Trailer Tank Capacity	40 gallons	40 gallons

Daily Flow Rate 440 gallons/day

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u> <u>in field</u>	<u>Design Length</u> <u>installation</u>
TBM		0.0		100.0			
INST. 1			100.0				
1	Red			3.5	96.5	60	60
2	Blue			3.8	96.2	60	60
3	Pink			4.2	95.8	60	60
4	Yellow			4.7	95.3	60	60
5	White			5	95	60	60
6	Orange			5.2	94.8	60	60
7	Red			5.5	94.5	60	60
8	Blue			5.6	94.4	60	60
9	Pink			5.7	94.3	60	60
10	Yellow			6.2	93.8	60	60
11	White			6.4	93.6	60	60
12	Orange			6.7	93.3	60	60
Total						720	720

	<u>System</u> Lines 7-11	<u>Repair</u> Lines 1-5
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.30	0.30
Total Line Length	300	300
Square Footage	900	900
Proposed Trench Bottom	24"	24"

Distribution Method	Gravity to D-Box	Gravity to D-Box
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Notes: Proposed initial septic system location is based on minimal impact to mature trees. Supply line will need cleanouts every 50'. System should support daily flow rate of 480 gallons/day

ADD GREGASE
TRAP + PUMP (R)