Harnett County Department of Public Health

Operation Permit PERMIT # SFD 2411-0088 Mew Installation ✓ Septic Tank ✓ Nitrification Line ☐ Repair ☐ Expansion PROPERTY LOCATION: 332 or entel St, Angier SUBDIVISION Tobacco Road Name: (owner) Inith Donglas Home? System Installer: A&R Basement with plumbing: Garage Number of Bedrooms Type of Water Supply:

Community Public Well Distance from well System Type: 25%. Reduction Type III (b) IR4 Chember Types V and VI Systems expire in 5 years. (In accordance with Table V a) Owner must contact Health Department 6 months prior to expiration for permit renewal. This system has been installed in compliance with applicable North Carolina General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization. PERMIT CONDITIONS: Performance: System shall perform in accordance with Rule .1961. II. Monitoring: As required by Rule .1961. III Maintenance: As required by Rule .1961. Other: Subsurface system operator required? Yes
No If yes, see attached sheet for additional operation conditions, maintenance and reporting. IV. Operation: Other: Pump □ ______ Alarm □ ______ H20Line D-Box Following are the specifications for the sewage disposal system on the above captioned property. Other Type III(b) Tel Chambols Type of system:

Conventional gallons Pump Tank: 1,000 gallons Subsurface No. of exact length ditches 12-20' inches Drainage Field ditches of each ditch French Drain Required: Date 3-17-25 Authorized State Agent

Tobacco Road S/D - Lot #169
4-Bedroom Septic Design
332 Oriental St
Smith Douglass Homes
Harnett County PIN: 0693-35-5719
Revised 2-12-25

System: Pressure Manifold Lines: 1-5 (310') 0.4 LTAR 21" Max Trench Bottom Accepted Status System Repair: Pressure Manifold Lines: 6-9 (200') 0.4 LTAR 20" Max Trench Bottom

PPBPS - 50% reduction System

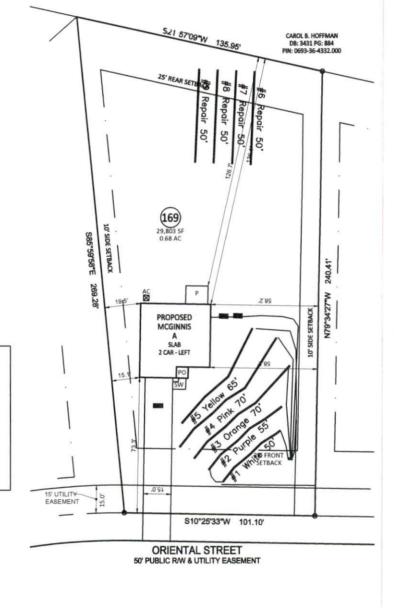
**1000 Gallon Septic Tank

Tank and trenches to be located minimum of 10' from any property line and minimum of 5' from any building foundation.

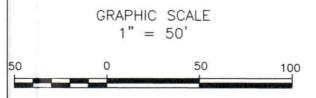
*Do Not Cut, Fill, or Alter Drainfield or Repair Area

*Comply with all setbacks

*Contact local health dept. and/or Alex Adams prior to or during installation with any questions or concerns.



Adams
Soil Consulting
919-414-6761
Job #1215
11-25-24



Lot 169 - Tobacco Road PRESSURE MANIFOLD DESIGN -Initial SYSTEM

of BDR:

Daily Flow: 4

gal/day

L.T.A.R.: 0.4000 gal/day/sq.ft

Septic Tank: 1000

gals

Pump Tank:

480

gals 1000

Sq. Foot:

930

System Type: Accepted

Number of Taps:

4

Length of Trenches:

310

ft(See Tap Chart for Details)

Depth of Trenches:

<u>21</u> in

Manifold Length:

42

Manifold Diameter:

4in sch 80pvc

2.73

Tap Configuration: 6 in spacing

side(s) of manifold

Supply Line: length: 50

141

Diameter:

2 in sch 40pvc

ft

in

Friction Loss + Fitting Loss:

ft(supply line length + 70' for fittings in pump tank)

7.00

Design Head: **Total Head:**

Pump to Deliver:

Elevation Head:

31.43

gals/min at

11.73

ft head

Dosing Volume:

11.73 ft

Drawdown: 141 gals divided by

gals,

ft

21.4 gals/in =

6.6

inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.

TAP CHART

Benchmark Pump tank elev. line	color	is = 100.00 2 rod read 5.70	set at 95.00 Elevation	Pump elev. length	90,00 hole size 3/4in SCH 80	flow/tap	Design Head: Manifold elev. gal/day	2 97.00 trench area 315	LINE LTAR	# of Panels (PPBPS)	Change in Spacing of Panels (in)
1&2	Vhite/Purpl		94.30	105							
3	Orange	6.40	93.60	70	1/2in SCH 40	7.11	108.58	210	0.5171		
4	Pink			70	1/2in SCH 40	7.11	108.58	210	0.5171		
5	Yellow			65	1/2in SCH 40	7.11	108.58	195	0.5568		
			Total Feet =	310	gal/min =	31.43		LTAR =	0.4000		
			Feet Required =	300	Velocity =	3.01		(Itar + 5%)	0.4200		
Total # of Panels (PPBPS)			Des. Flow	480			(Itar w/25% red)	0.5333			
% of Dose Vol.		70	1	Pump Run=	15.27			(Itar + 5%)	0.5600		
Dose Volume		141		Tank Gal/IN	21.4						
Dose Pump Time	9	4.49		Elev. Head	7.00						
Drawdown in Inc	hes	6.6									
Comments:	Lines #1	& #2 will be	tied together to	form 1 line	@95'						