Harnett County Department of Public Health

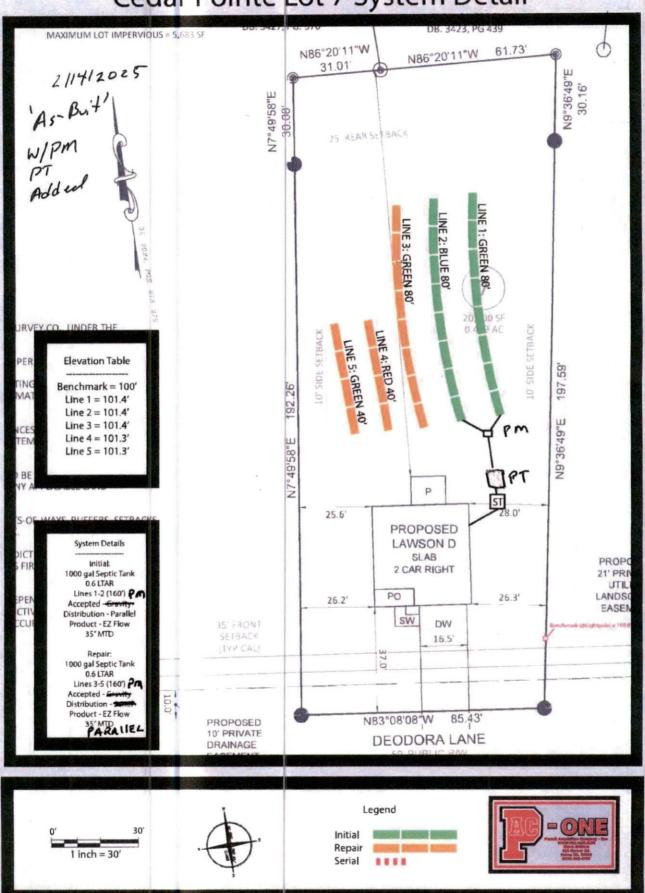
PERMIT # SFD Z411-0106 Operation Permit Mew Installation De Septic Tank De Nitrification Line Description Expansion PROPERTY LOCATION: 162 Deodora (a SDH Raleigh SUBDIVISION Cedar Pointa System Installer: Basement with plumbing: Garage Number of Bedrooms 3 (6 people) Type of Water Supply:
Community Public Well Distance from well Type III B 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. LUTU'T PERMIT CONDITIONS: Performance: System shall perform in accordance with Rule . 1961. II. As required by Rule .1961. Monitoring: III. As required by Rule .1961. Other: Maintenance: Subsurface system operator required? Yes
No If yes, see attached sheet for additional operation conditions, maintenance and reporting. IV. Operation: Other: > MAnifold DBOX X _ _____ Pump 💆 Alarm H20Line Following are the specifications for the sewage disposal system on the above captioned property. Other 25 % reduction EZFlow Septic Tank: Type of system:

Conventional 1000 gallons Pump Tank: Subsurface No. of exact length width of Drainage Field ditches of each ditch inches French Drain Required: Linear feet

Authorized State Agent

3-12-25

Cedar Pointe Lot 7 System Detail



RESIDENTIAL PRESSURE MANIFOLD DESIGN

NOTE - SAME TAPS SIZE FOR REPAIR PM Cedar Pointe Lot 7 Permit # L.T.A.R.: 0.6000 gal/day/sq.ft gal/day 360 # of BDR: Daily Flow: Accepted System Type: Sq. Foot: Pump Tank: 1000 gals Septic Tank: ft(See Tap Chart for Details) 160 Length of Trenches: 2 Number of Taps: Manifold Length: 30 in 35 Depth of Trenches: in side(s) of manifold Tap Configuration: 6 in spacing 4in sch 80pvc Manifold Diameter: in sch 40pvc Diameter: 40 ft Supply Line: length: ft(supply line length + 70' for fittings in pump tank) 1.64 Friction Loss + Fitting Loss: 7.00 ft Elevation Head: 2 ft Design Head: ft head 10.64 Pump to Deliver: 25.00 gals/min at 10.64 ft Total Head: 73 gals, **Dosing Volume:** inches gals/in = gals divided by 73 Drawdown:

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.

			т	AP CHAR	Т			2			
Benchmark	4.4	is = 100.00					Design Head:				
Pump tank elev.		4	100.40	Pump elev.	95.40		Manifold elev.	102.40		# of Panels	Spacing of
				1	hole size	flow/tap	gal/day	trench area	LINE LTAR	(PPBPS)	Panels (in)
line	color	rod read	Elevation	length	3/4in SCH 40	12.5	180.00	240	0.7500		
1	White	3,00	101,40	80	3/4in SCH 40	12,5	180,00	240	0.7500		
2	Red	3.00	101.40	80	3/4IN SCH 40	0	0.00	0	#DIV/01		
			104.40			0	0.00	0	#DIV/0!		
			104.40			0	0.00	0	#DIV/0!		
			104.40			0	0.00	0	#DIV/01		
			104.40			0	0.00	0	#DIV/01		
			104.40					0	#DIV/0!		
			104.40			0	0.00		#DIV/0!		
			104.40			0	0.00	0	#DIV/0!		
			104.40			0	0.00	0	0.6000		
			Total Feet =	160	gal/min =	25.00		LTAR =			
			Feet Required =	150	Velocity =	2.39		(ltar + 5%)	0.6300		
Total # of Panels (PPBPS)				Des. Flow	360			(Itar w/25% red)	0.8000		
% of Dose Vol.		70		Pump Run=	14,40			(ltar + 5%)	0,8400		
Dose Volume		73	Tank Gal/IN Elev. Head		20						
Dose Pump Time		2,91			7.00						
Drawdown in Inche	s	3.6			1						