

Wynn Construction

Lot #69 - Avery Pond

3-Bedroom Home (360 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		2.0		100.0		<u>in field</u>	<u>installation</u>
INST. 1			102.0				
1	White			4.0	98	60	60
2	Pink			4.8	97.2	160	160
3	Blue			5.9	96.1	80	80
4	Red			6.7	95.3	75	75
5	Yellow			7.4	94.6	75	75
6	Orange			8.4	93.6	70	70
7	Pink			9.2	92.8	55	55
					Total	575	575

	<u>System</u>	<u>Repair</u>
	Lines 1-3	Lines 4-7
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.35	0.35
Installation Soil LTAR	0.30	0.325
Total Line Length	300	275
Square Footage	900	825
Proposed Trench Bottom	18"	18"
Distribution Method	Pressure Manifold	Pressure Manifold

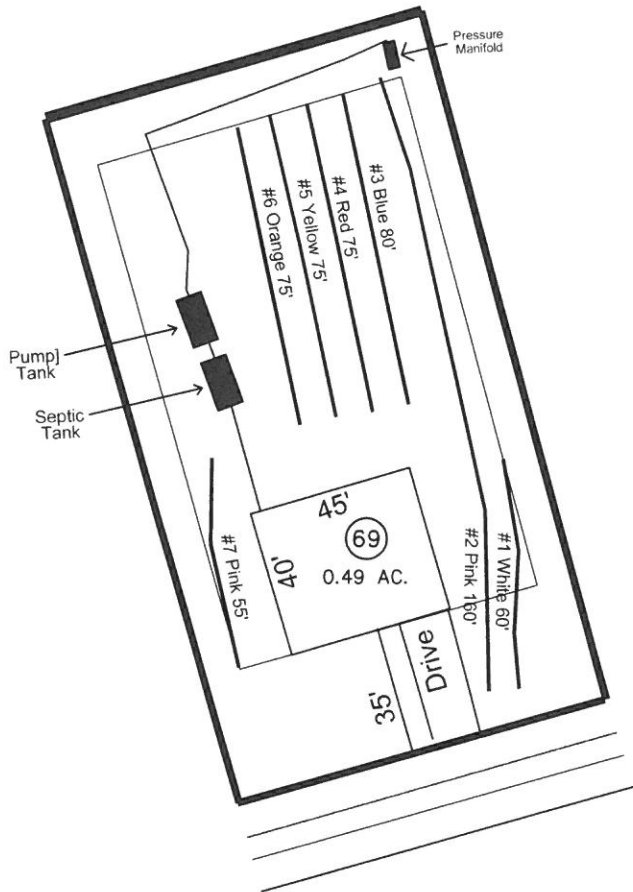
**Wynn Construction, Lot 69 - Avery Pond
Repair, Tap Chart**

Bench Mark	2.90	is = 100.00	Location of BM	Front EIP				Elevation Head	2.00
Pump tank elev.	0	102.90	Pump elev.	97.90			Manifold elev.	99.90	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	White	4.00	98.90	60	1/2in SCH 80	5.48	67.12	180	0.3729
2	Pink	4.80	98.10	160	1in SCH 80	16.8	205.78	480	0.4287
3	Blue	5.9	97.00	80	1/2in SCH 40	7.11	87.09	240	0.3629
		total	feet =	300	gal/min =	29.39			
								LTAR =	0.3000
								LTAR + %5	0.3000
% of Dose Vol.	80		Des. Flow	360				(Itar W/ INOV)	0.4000
Dose Volume	156.00		Pump Run=	12.25				(Itar W/ INOV + 5%)	0.4200
Dose Pump Time	5.31		Tank Gal/IN	21					
Drawdown in Inches	7.43								

**Wynn Construction, Lot 69 - Avery Pond
Repair, Tap Chart**

Bench Mark	2.90	is = 100.00	Location of BM	Front EIP	Elevation Head	-0.70			
Pump tank elev.	0	102.90	Pump elev.	97.90	Manifold elev.	97.20			
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	6.70	96.20	75	1/2in SCH 40	7.11	95.47	225	0.4243
2	Yellow	7.40	95.50	75	1/2in SCH 40	7.11	95.47	225	0.4243
4	Orange	8.4	94.50	70	1/2in SCH 40	7.11	95.47	210	0.4546
5	Pink	9.20	93.70	55	1/2in SCH 80	5.48	73.58	165	0.4460
		total	feet =	275	gal/min =	26.81		LTAR =	0.3250
								LTAR + %5	0.3413
% of Dose Vol.	80		Des. Flow	360				(ltar W/ INOV)	0.4333
Dose Volume	143.00		Pump Run=	13.43				(ltar W/ INOV + 5%)	0.4550
Dose Pump Time	5.33		Tank Gal/IN	21					
Drawdown in Inches	6.81								

Wynn Construction Lot #69 Avery Pond 3-Bedroom Septic System Design



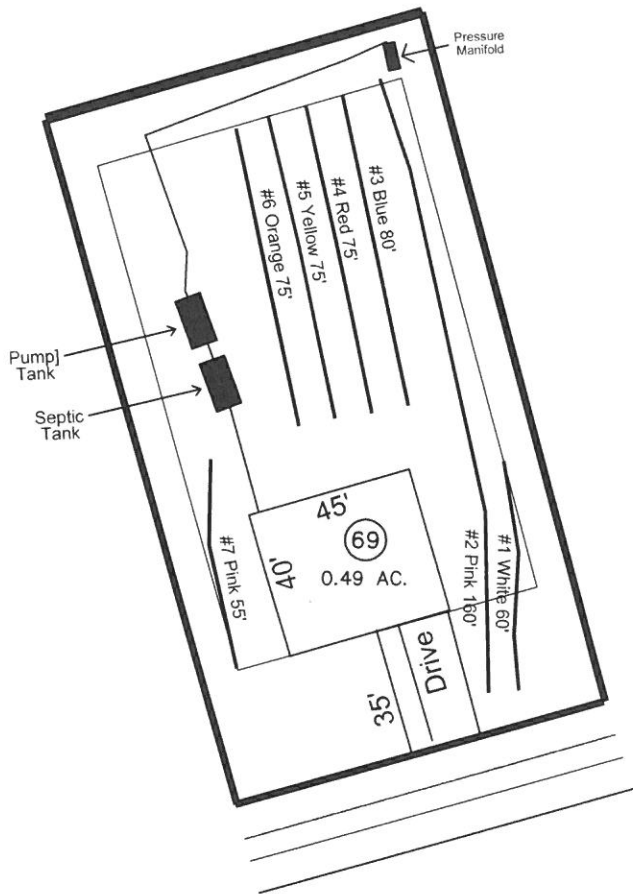
System: Pressure Manifold
 Lines: 1-3, (300')
 0.3 LTAR
 18" Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 4-7, (275')
 0.325 LTAR
 18" Trench Bottom
 Accepted Status System

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #438

Wynn Construction Lot #69 Avery Pond 3-Bedroom Septic System Design



System: Pressure Manifold
 Lines: 1-3, (300')
 0.3 LTAR
 18" Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 4-7, (275')
 0.325 LTAR
 18" Trench Bottom
 Accepted Status System

GRAPHIC SCALE
 1" = 50'



Adams
 Soil Consulting
 919-414-6761
 Job #438