

Peninsula Ln - Lot 4

Project No. 1780-1

<u>LINE #</u>	<u>FLAG COLOR</u>	<u>BS (ft)</u>	<u>HI (ft)</u>	<u>FS (ft)</u>	<u>ELEVATION (ft)</u>	<u>FLAGGED LINE LENGTH (ft)</u>	<u>DESIGN LINE LENGTH (ft)</u>
TBM		2.2			100.00		
INSTR. 1			102.20				
1	Pink			3.40	98.80	71	0
2	Red			4.20	98.00	88	85
3	White			5.00	97.20	103	100
4	Yellow			6.50	95.70	133	130
5	Blue			6.75	95.45	125	125
6	Pink			7.75	94.45	117	115
7	Yellow			9.00	93.20	58	0
8	White			10.15	92.05	92	0
9	Blue			11.10	91.10	109	100
10	Red	1.4	91.30	12.30	89.90	136	100
11	Yellow			3.00	88.30	120	100
12	Pink			5.00	86.30	119	100
13	White			6.80	84.50	118	100
14	Blue			8.60	82.70	117	0
Total						1506	1055

<u>System</u>	<u>DESIGN LINE LENGTH (ft)</u>	<u>SOIL LTAR GPD/FT²</u>	<u>SYSTEM TYPE</u>	<u>EFFECTIVE LTAR* GPD/FT²</u>	<u>DISTRIBUTION MEDIA</u>	<u>DISTRIBUTION METHOD</u>	<u>DESIGN FLOW (GPD)</u>
	555	0.30	Accepted	0.27	EZ-Flow	Pressure Manifold	600
Repair	500	0.30	Accepted	0.30	EZ-Flow	Pressure Manifold	600

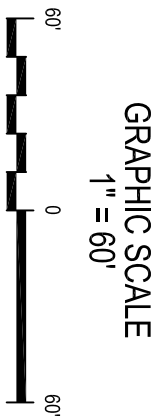
- Notes:**
- 1) TBM on ground at tree.
 - 2) TBM is assumed to be 100.00'.
 - 3) All measures in feet.
 - 4) Nitrification lines are demonstrated on contour via colored pin flags.
 - 5) BS, FS indicate rod readings.
- * **Design LTAR = Design Flow / ((Design Line Length x Trench Width) / (1-%Reduction))**

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SYSTEM TAP CHART

Line #	Color	Field Elev. (ft)	Length (ft)	Hole Size (in)	Flow/Tap (gpm)	gpd	Trench Area (sq ft)	Line LTAR (gpd/sq ft)
2	Red	98.00	85	1/2" SCH. 80	5.48	76.55	255	0.300
3	White	97.20	100	1/2" SCH. 40	7.11	99.34	300	0.331
4	Yellow	95.70	130	3/4" SCH. 80	10.12	141.37	390	0.362
5	Blue	95.45	125	3/4" SCH. 80	10.12	141.37	375	0.377
6	Pink	94.45	115	3/4" SCH. 80	10.12	141.37	345	0.410

total feet = 555 gal/min = 42.96

Des. Flow	600	gpd
Pump Run=	13.97	min
soil LTAR	0.30	gpd/sq ft
(ltar +5%)	0.315	gpd/sq ft
INNOV. Product Reduction	25%	
LTAR with INNOV.	0.40	gpd/sq ft
LTAR with INNOV. + 5%	0.420	gpd/sq ft
100% Dose Volume	361.17	gal
Percent Dose Volume	66%	
Total	238.37	gal
Pump Run Time	5.55	min



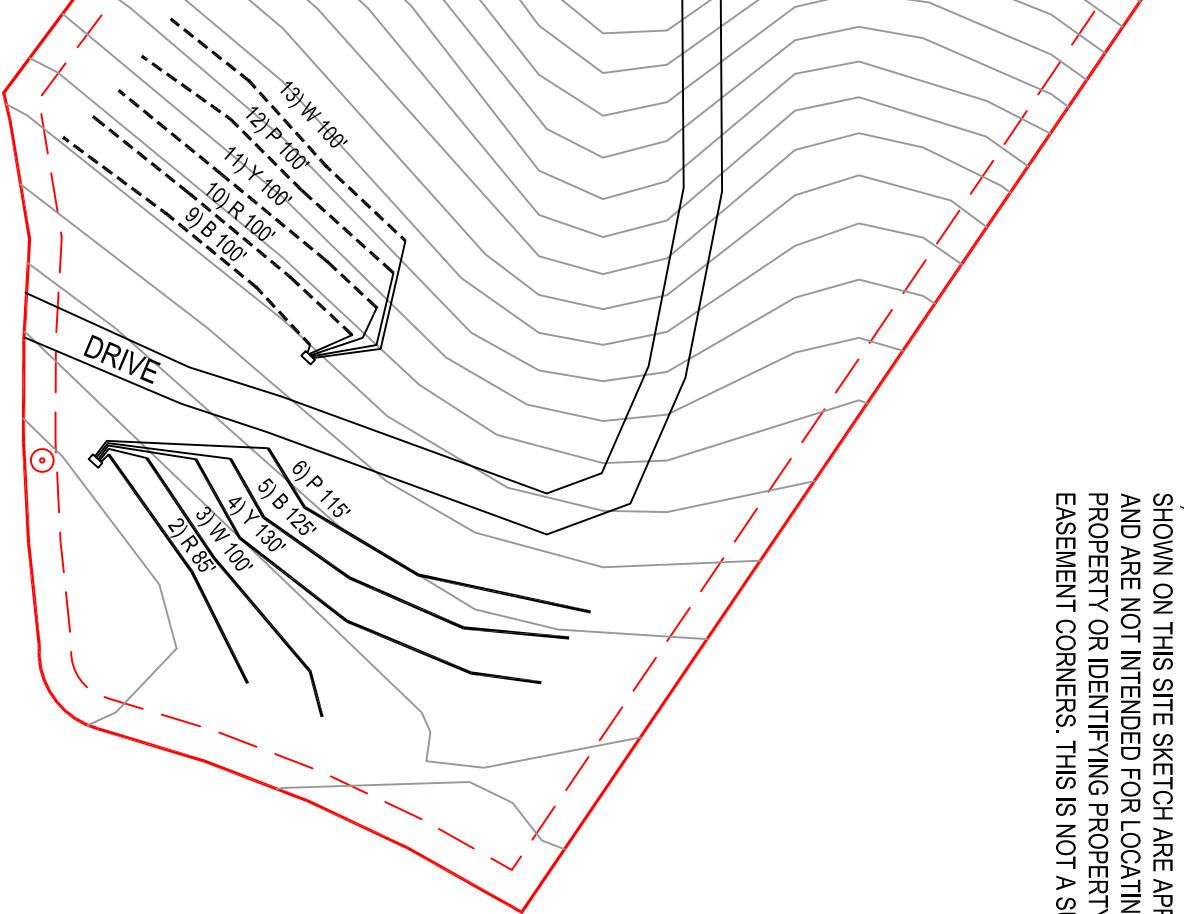
NOTES:

- 1) SITE DATA TO INCLUDE PROPERTY BOUNDARIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY VANCE COUNTY GIS AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.
- 2) ALL SEPTIC SYSTEM COMPONENTS TO INCLUDE TANKS, PUMPS, MANIFOLDS, AND SYSTEM AND REPAIR LINES HAVE BEEN GPS LOCATED BY SOIL SERVICES, PLLC. ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS ARE APPROXIMATE AND AS SUCH NO SPECIFIC ACCURACY EITHER VERTICAL OR HORIZONTAL IS IMPLIED.
- 3) PROPERTY AND EASEMENT BOUNDARIES SHOWN ON THIS SITE SKETCH ARE APPROXIMATE AND ARE NOT INTENDED FOR LOCATING PROPERTY OR IDENTIFYING PROPERTY OR EASEMENT CORNERS. THIS IS NOT A SURVEY.



LEGEND

- SOLID LINE: SYSTEM LINE
- DASHED LINE: REPAIR LINE
- CIRCLE: PRIVATE WELL SETBACKS
- SQUARE WITH 'S': SEPTIC TANK
- SQUARE WITH 'P': PUMP TANK



SOIL SERVICES, PLLC

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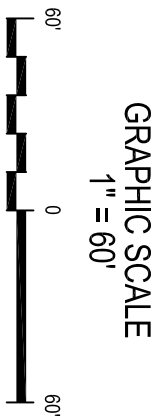
Sheet Title: SEPTIC SYSTEM SITE PLAN		Project No.: 1780-1	
Project: PENINSULA LN - LOT 4		Project Manager: SM	Drawn: SM
Location: VANCE CO., NC		Scale: 1"=60'	Field Work: SM
Client: JOHN REEDER		Sheet No.: 1 of 1	

Peninsula Ln - Lot 4
Project No. 1780-1
REPAIR TAP CHART

Line #	Color	Field Elev. (ft)	Length (ft)	Hole Size (in)	Flow/Tap (gpm)	gpd	Trench Area (sq ft)	Line LTAR (gpd/sq ft)
9	Blue	91.10	100	1/2" SCH. 80	5.48	120.00	300	0.400
10	Red	89.90	100	1/2" SCH. 80	5.48	120.00	300	0.400
11	Yellow	88.30	100	1/2" SCH. 80	5.48	120.00	300	0.400
12	Pink	86.30	100	1/2" SCH. 80	5.48	120.00	300	0.400
13	White	84.50	100	1/2" SCH. 80	5.48	120.00	300	0.400

total feet = 500 gal/min = 27.40

Des. Flow	600	gpd
Pump Run=	21.89	min
soil LTAR	0.30	gpd/sq ft
(ltar +5%)	0.315	gpd/sq ft
INNOV. Product Reduction	25%	
LTAR with INNOV.	0.4	gpd/sq ft
LTAR with INNOV. + 5%	0.42	gpd/sq ft
100% Dose Volume	325.38	gal
Percent Dose Volume	66%	
Total	214.75	gal
Pump Run Time	7.84	min



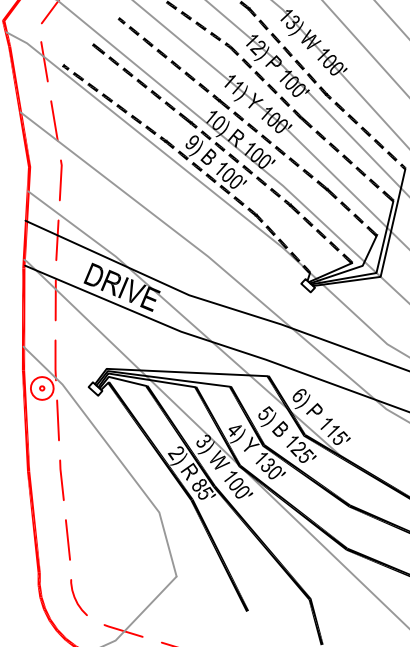
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