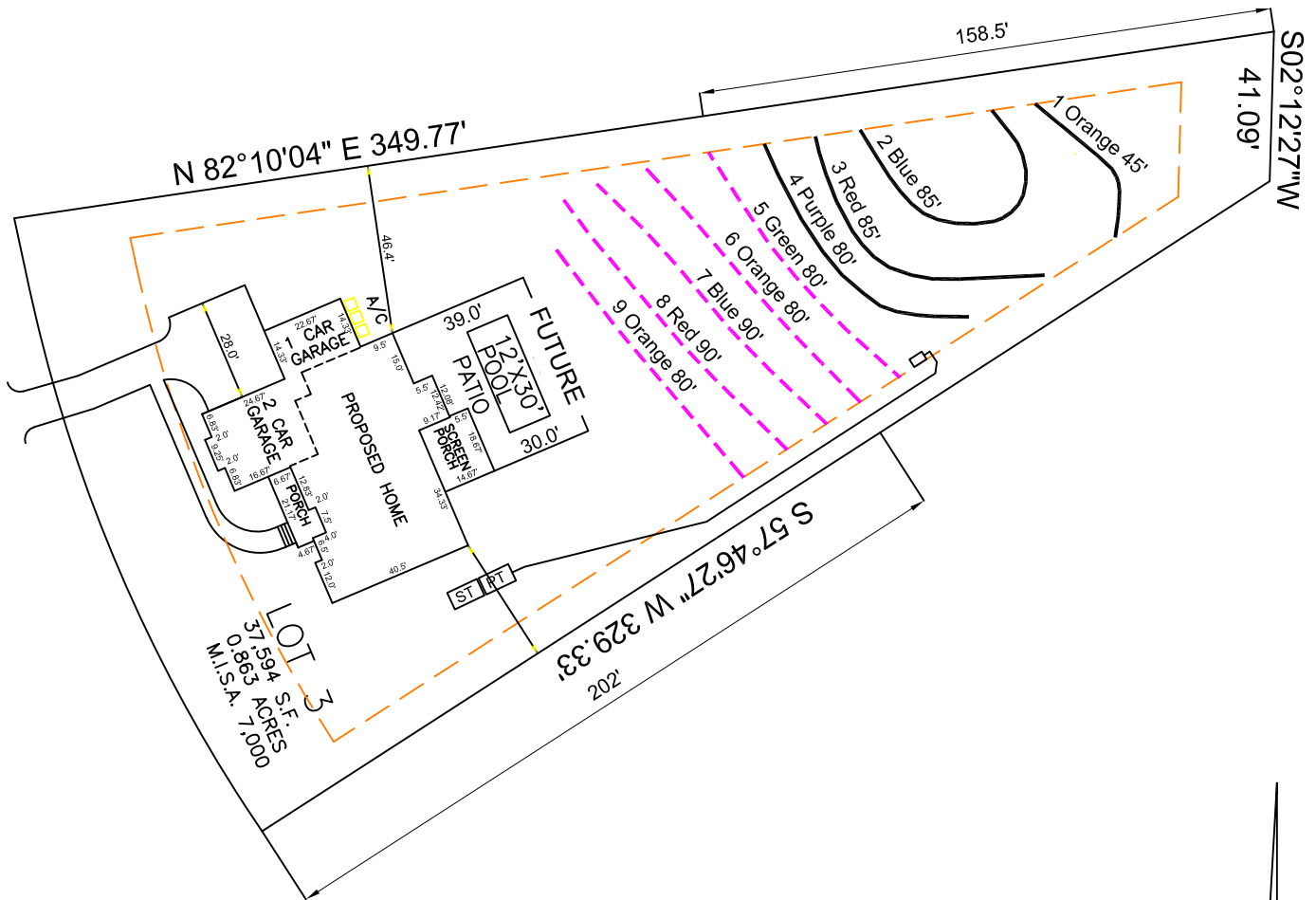




System: ----
Repair: ----

- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.
- *No adding soil within septic area
- *No rutting-up septic area
- *No cuts of >2' within 15' of septic areas

Initial System: Pressure Manifold
Lines: 5–9, (420')
Accepted Status System (25% reduction)
0.3 Soil LTAR

Repair System: Pressure Manifold
Lines: 1–4, (295')
T&J Panel Block System
0.3 Soil LTAR

GRAPHIC SCALE
1" = 50'



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4-Bedroom Septic Layout
Lot 3, Sorrell Oaks Subdivision
Franklin County, North Carolina

Job#: 4881
Drawn By: AH, JR
Date: 08/30/2023
Revision: 03/19/2024
Revision: 06/24/2026

Sorrell Oaks, Lot 3

Initial System TAP CHART

Bench Mark:		is = 100.00		Location of BM:		Elevation Head:		0.70	
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elevation: 95.30	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Green	5.70	94.30	80	1/2in SCH 40	7.11	96.00	240	0.4000
6	Orange	6.60	93.40	80	1/2in SCH 40	7.11	96.00	240	0.4000
7	Blue	7.00	93.00	90	1/2in SCH 40	7.11	96.00	270	0.3556
8	Red	7.30	92.70	90	1/2in SCH 40	7.11	96.00	270	0.3556
9	Orange	7.90	92.10	80	1/2in SCH 40	7.11	96.00	240	0.4000

total feet = 420 gal/min = 35.55 LTAR = 0.3000

% of Dose Volume	67.8	<u>Des. Flow</u>	480	<u>LTAR + %5</u>	0.3150
Dose Volume	185.09	Pump Run=	13.50	(ltar W/ INOV)	0.4000
Dose Pump Time	5.21	Tank Gal/IN	20	(ltar W/ INOV + 5%)	0.4200
Drawdown in Inches	9.25				

Sorrell Oaks, Lot 3

T&J Panel Block Repair System, TAP CHART

Bench Mark:		is = 100.00		Location of BM:		Elevation Head:		2.40				
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elevation:		97.00		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Spacing of Panels (in)	Feet of 1.5in PVC
1	Orange	4.00	96.00	45	1/2in SCH 80	5.48	73.52	135	0.5446	10	7.3	36
2	Blue	3.80	96.20	85	3/4in SCH 80	10.1	135.49	255	0.5314	20	4.8	76
3	Red	4.30	95.70	85	3/4in SCH 80	10.1	135.49	255	0.5314	20	4.8	76
4	Purple	4.50	95.50	80	3/4in SCH 80	10.1	135.49	240	0.5646	18	6.9	68

total feet = 295 gal/min = 35.78 Total Number of Panels: 68
T&J Panel Block Orientation: Horizontal

Dose Vol. per Panel	3.6	<u>Des. Flow</u>	480	<u>LTAR =</u>	0.3000
Dose Volume	244.80	Pump Run=	13.42	<u>LTAR + %5</u>	0.3150
Dose Pump Time	6.84	Tank Gal/IN	20	(ltar W/ INOV)	0.6000
Drawdown in Inches	12.24			(ltar W/ INOV + 5%)	0.6300

Backfill Sand Needed: 50.2 tons Total Footage of 1.5in PVC: 256
backfill sand needed +5%: 52.71 tons