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Falls Cove Lot 625 Fast Track Septic Spec Sheet

Number of Bedrooms	**4**
Basement or Crawl	**Slab/Basement with Plumbing**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	36"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	160' of 2" SCH 40 PVC
Flow Rate through the system	27.5 gpm
Elevation head	Approx. 23.9'
Pressure head	2.0'
Friction head	2.8'
20% Contingency	5.7'
Total Head	34.4'
Pump Requirements	27.5 gpm @ 34.4' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 8.7 min.
Repair System	**LP PPBPS**
Total Linear Feet	312
Repair Loading Rate	0.3

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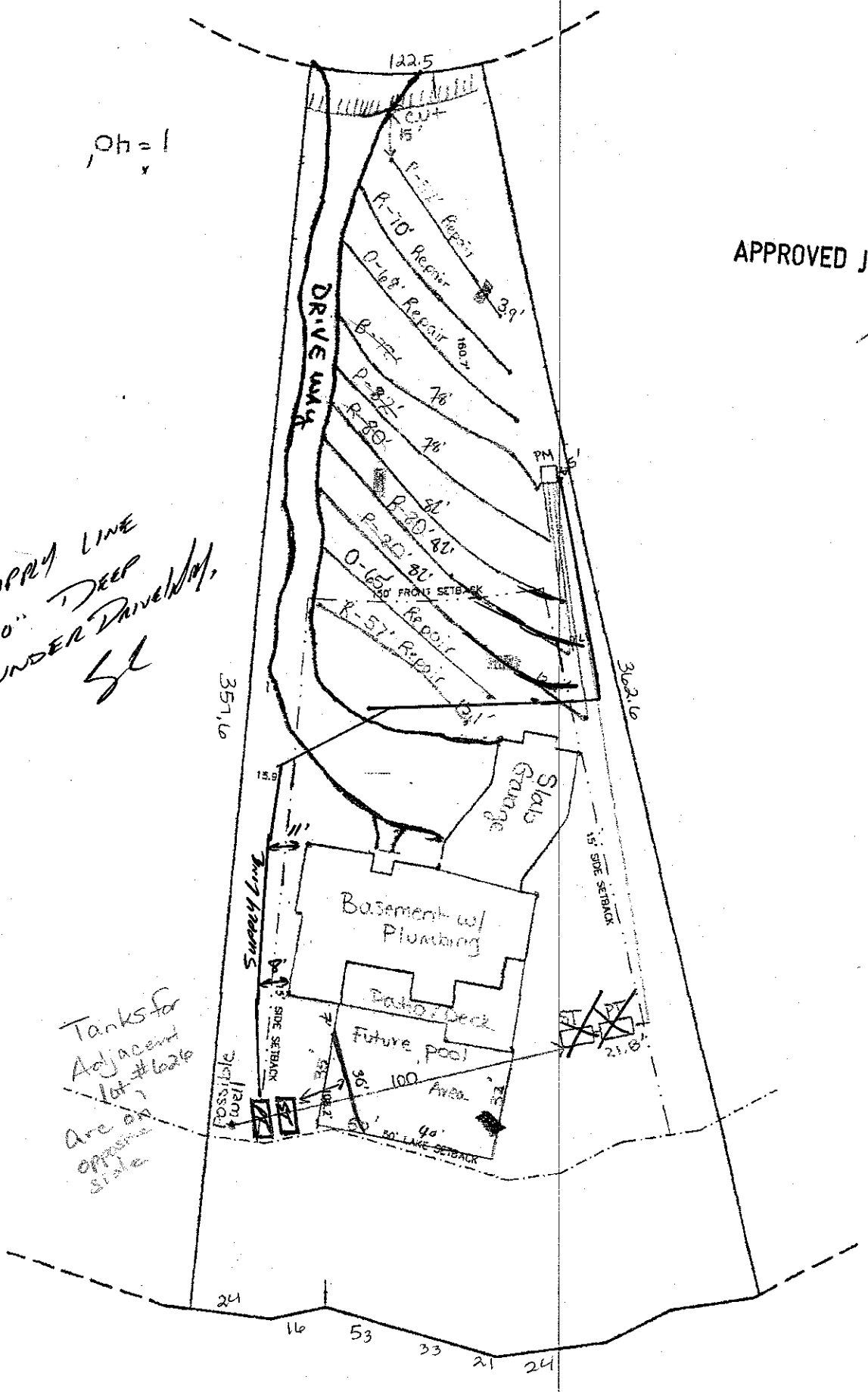
Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Pink	LP PPBPS	52	3.9
2	Repair	Red	LP PPBPS	70	
3	Repair	Orange	LP PPBPS	68	
4	System	Blue	25% Reduction	78 endfed	
5	System	Pink	25% Reduction	82 endfed	
6	System	Red	25% Reduction	80 endfed	
7	System	Blue	25% Reduction	80 endfed	
8	System	Pink	25% Reduction	80 endfed	13.1
9	Repair	Orange	LP PPBPS	65	
10	Repair	Red	LP PPBPS	57	15.1
				Total System: 400'	
				Total Repair: 312'	

Tank	Red	1000 gal (2 compartment)	
Pump Tank	Red	1000	21.8
House	Blue		

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	5
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: **All rod readings should be verified by installer prior to installation**
Tank Locations and distribution devices may be altered at the discretion of the ICHD



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SUPPLY LINE 30" DEEP UNDER DRIVEWAY

Tanks for Adjacent Lot #6216 are on opposite side