APPROVED MAY 04 2016

240 Patternote Fast Track Septic Spec Sheet

Number of Bedrooms	**4**
Basement or Crawl	**Concrete Slab**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3 Per Existing**
Primary System Type	**25% Reduction**
No. Lines	3 (See Table)
Total Linear Feet	402
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	33" Per Existing
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	120' of 2" SCH 40 PVC
Flow Rate through the system	16.5 gpm
Elevation head	Approx. 17.6'
Pressure head	2.0'
Friction head	1.0'
20% Contingency	4.1'
Total Head	24.7'
Pump Requirements	16.5 gpm @ 24.7' 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	14.5
Repair System	**LP PPBPS**
Total Linear Feet	276
Repair Loading Rate	0.3 per existing

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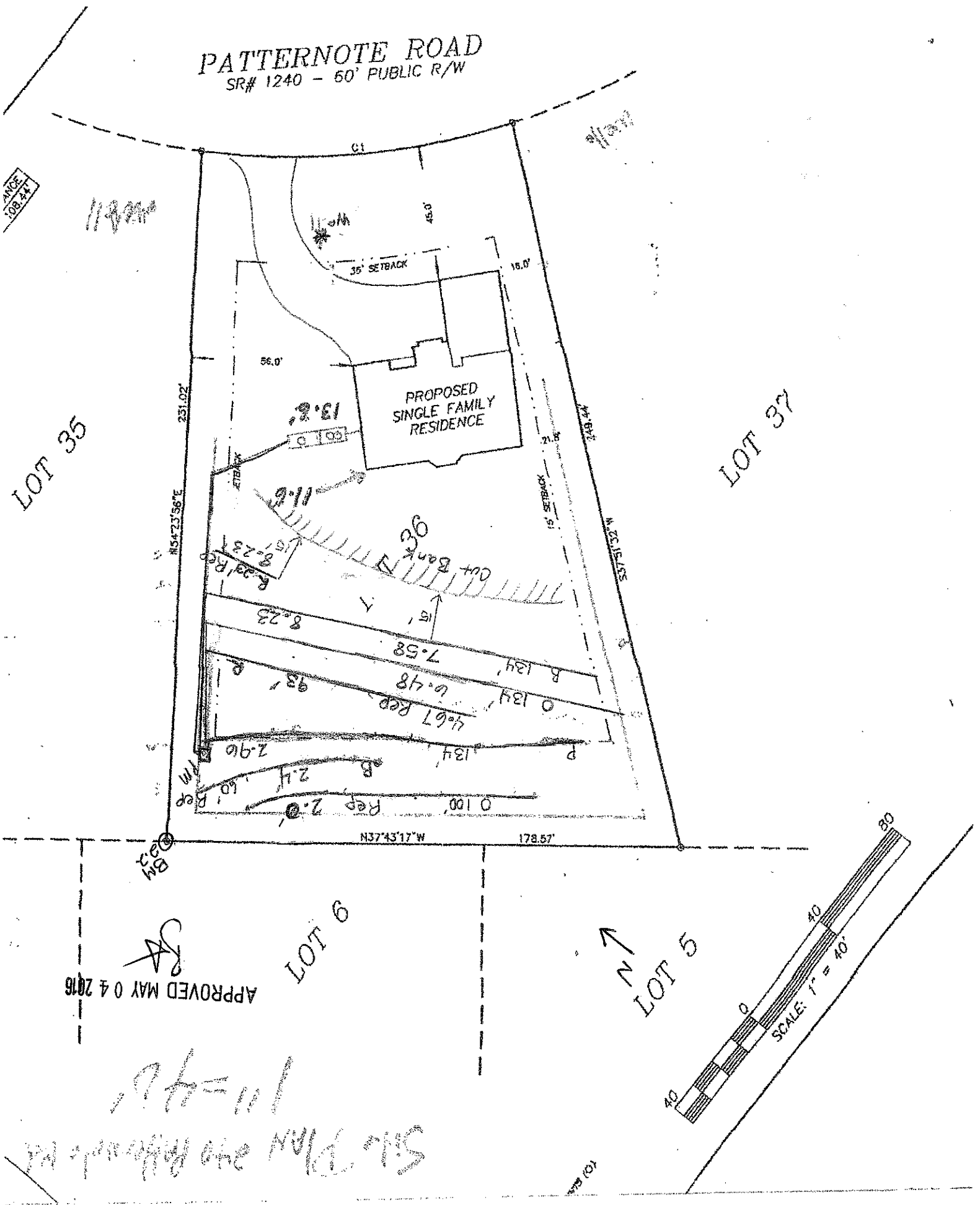
Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Orange	LP PPBPS	100	2
2	Repair	Blue	LP PPBPS	60	2.4
3	System	Pink	25% Reduction	134 endfed	2.96
4	Repair	Red	LP PPBPS	93	4.67
5	System	Orange	25% Reduction	134 endfed	6.48
6	System	Blue	25% Reduction	134 endfed	7.58
7	Repair	Red	LP PPBPS	23	8.23
				Total System: 402'	
				Total Repair: 276'	

Tank	orange	1000 gal (2 compartment)	13.60
Pump Tank	orange	1000	
House	blue		11.60

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	3
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
Use proper setbacks if foundation drains are used
Repair area requires some shaping


PATTERNOTE ROAD
SR# 1240 - 50' PUBLIC R/W
C1
45.0'
35' SETBACK
15.0'
56.0'
231.02'
PROPOSED
SINGLE FAMILY
RESIDENCE
LOT 35
LOT 37
LOT 6
LOT 5
N54°23'56"E
S35°36'04"W
N37°43'17"W
178.57'
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SCALE: 1" = 40'
0
40
80