Design Specifications Proposal Lot 28 Rock Ridge Point, Iredell North Carolina

Daily Design Flow: Number of Bedrooms Basement or Crawlspace	480 gpd 4 bedroom Crawlspace
Septic Tank Size	1500 gal, Delliger Tank with effluent filter Poly Lock PL68
Pump Tank Size	NA
Primary System Loading Rate (LTAR)	0.30 gpd/ft^{2,} LTAR including Soils Evaluations were determined by Iredell County. Soils Evaluations and LTAR were not Conducted by Septic Environmental Solutions, Inc.
Primary System	25% reduction, all lines to be a minimum of 9-ft on center with 3-ft wide trench widths. Trench depth shall be maximum 36-inches. See scale map for total length.
Number and Length of Lines	4 See attached drawing.
Total foot of Primary System	requires 400-ft
Distribution Device	Distribution Box
Maintenance Agreement Required	NA
Pump Type	NA
Dosing Volume	NA
Depth of effluent Pumped per Dose	NA
Supply Line	NA
Check Valve	NA
Siphon Break Hole	NA
Repair System Loading Rate	0.30 gpd/ft^2
Repair System	LP PPBPS, See attached drawing
Total foot of Line	270, See attached drawing,

Lot 28 Rocky Ridge Farm Subdivision Fast Track Septic System Information

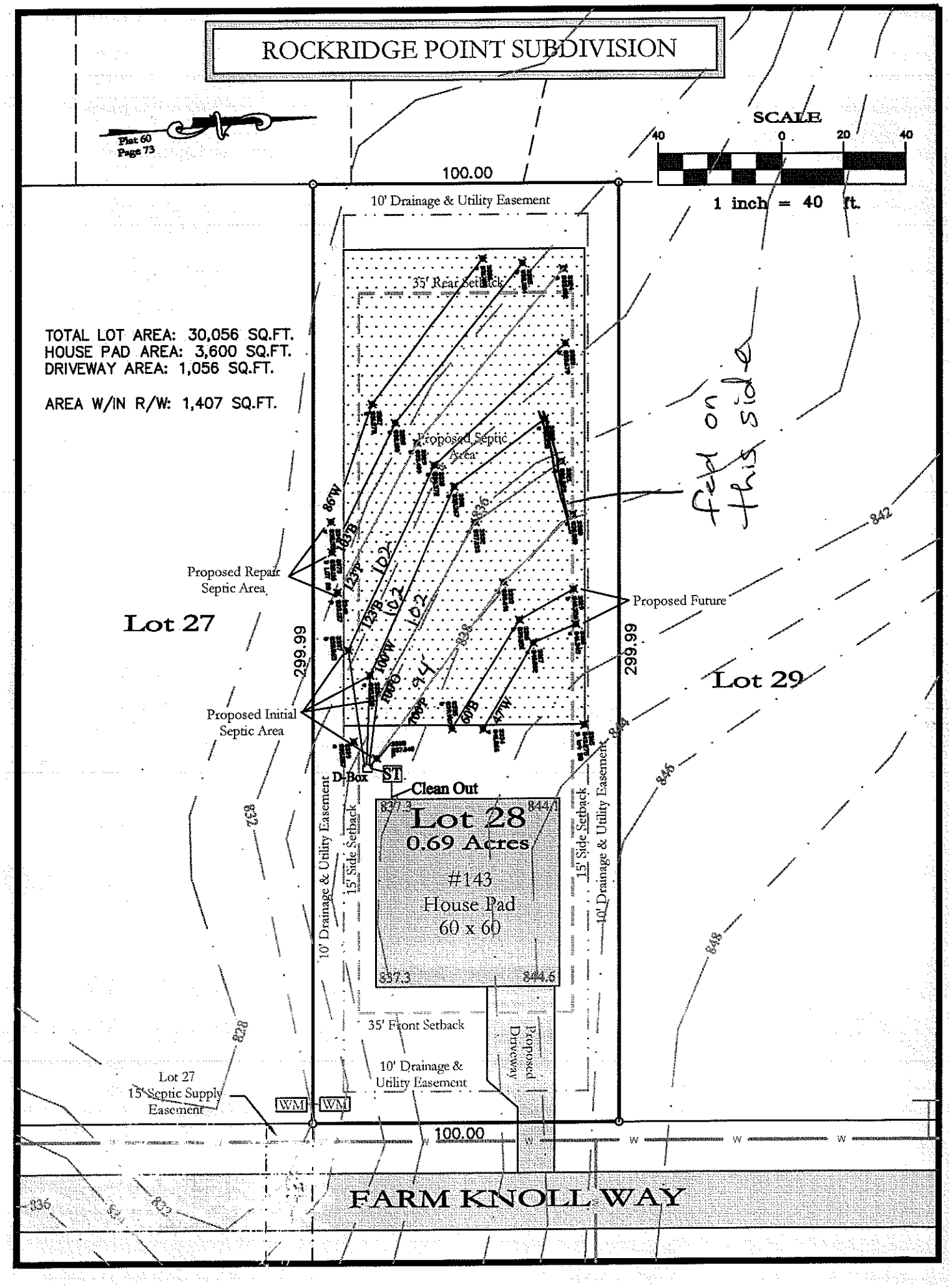
Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System Type	**25% Reduction**
LTAR (gpd)/ft2	**0.3**
Total Ft. Line	400
No. Lines	4 (See Table)
Pump Required	No
Distribution Device	Distribution Box
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Ft. Line	265
Repair System Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Pink	LP PPBPS	68
2	Repair	Orange	LP PPBPS	90
3	Repair	White	LP PPBPS	107
4	System	Red	25% Reduction	100 endfed
5	System	Pink	25% Reduction	100 endfed
6	System	Blue	25% Reduction	100 endfed
7	System	White	25% Reduction	100 endfed
				Total System: 400'
				Total Repair: 265'

Tank	Red	1500 gal (2 compartment)
House	Blue	

Note: Additional Repair area located downslope from last line


ROCKRIDGE POINT SUBDIVISION
Plat 60
Page 73
SCALE
40 0 20 40
1 inch = 40 ft.
100.00
10' Drainage & Utility Easement
35' Rear Setback
TOTAL LOT AREA: 30,056 SQ.FT.
HOUSE PAD AREA: 3,600 SQ.FT.
DRIVEWAY AREA: 1,056 SQ.FT.
AREA W/IN R/W: 1,407 SQ.FT.
Proposed Septic Area
Proposed Repair Septic Area
Proposed Future
Lot 27
Lot 29
299.99
299.99
Proposed Initial Septic Area
D-Box
ST
Clean Out
Lot 28
0.69 Acres
#143
House Pad
60 x 60
837.3
844.1
844.6
15' Side Setback
15' Side Setback
10' Drainage & Utility Easement
10' Drainage & Utility Easement
35' Front Setback
Proposed Driveway
10' Drainage & Utility Easement
Lot 27
15' Septic Supply Easement
WM
WM
100.00
FARM KNOLL WAY
832
836
838
840
842
844
846
848