DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of
PROPERTY ID #: ___
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Woodleaf
ADDRESS: ___ APPLICATION DATE ___
PROPOSED FACILITY: ___ PROPOSED DESIGN FLOW (.1949): ___ DATE EVALUATED: 2/19/2
LOCATION OF SITE: Lot 63 PROPERTY SIZE: ___
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other ___ PROPERTY RECORDED: ___
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1948 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1									
2B	L 8-10%	0-6							
		6-14							
		14-41							
		41-55							
3A	L 4-6%	0-4							
		4-25							
		25-51							
3B 4	L 10%	0-10	Mo GR SL	FR NS/NP	Br				
		10-46	Mo SBK/ WEAK C	FI/FR SS/SP	Red; F/C	Yel Br			
		46-65	Mo SBK CL	FR SS/SP	Red		F Sap		0.25

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: M Mabe
OTHER(S) PRESENT: ___

COMMENTS: ___

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of
PROPERTY ID #: ___
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Woodleaf
ADDRESS: ___ APPLICATION DATE ___
PROPOSED FACILITY: Lot 63 PROPOSED DESIGN FLOW (.1949): ___ DATE EVALUATED: 12-19-
LOCATION OF SITE: ___ PROPERTY SIZE: ___
PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
62-1A	AB 62-1A L	0-6	Mo GR SCL	FR SS/SP	Br				
		6-22	WK SBK SCL	FR SS/SP	Red Br;	F/C yel Br			
		22-30+	WK/MO ABK SCL	FR SS/SP	Red Br; C yel Br,	2 Chroma in Root Channels			US
2A	L 10 [illegible]	0-8	mgr sl	Fr [illegible]	br				
		8-32	mgr [illegible]	[illegible]	YR			F1 YB	R
		32-50	wk sbk [illegible]	[illegible] SS SP	red	FC	YB	F1 2 horiz	.12-.25 to 32"
3	L 4-6% 80%	0-7	mgr sl	FR ss-nr	br				
		7-12	mgr sl	FR ss-nr	YR				0.3
		12-26	mmsbk c	FR ss-nr	red				
		26-51	wk sbk cl	FR ss-nr	red	F 1 imp			
2 4	L 10%	0-4	Mo GR SL	FR ns/np	Br				
		4-35	Mo SBK/ WK ABK C	Fi/FR ss/sp	Red; F yel Br				0.2-0.25 to 35"
		35-48	Mo ABK C	Fi s/p	Red		Fsap		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: [signature]
OTHER(S) PRESENT: ___

COMMENTS: ___

3-15-07

#63C 0-5 gr/wksk bio-clast scL frssp e3
5-29 SBK RdC frssp scap
29-58 wksskyscl frssp few common scap

63D 0-6 gr SL frssp
6-33 mSBK C frssp scap
33-55 wkSBK CL frssp few scap

Lot 33
N152

Lot 63 Woodleaf Phase 2 Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Basement w/ Plumbing**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	480
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	295' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 31.5'
Pressure head	2.0'
Friction head	2.2'
20% Contingency	7.1'
Total Head	42.8'
Pump Requirements	22 gpm @ 42.8' 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. 10.9 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	362
Repair Loading Rate	0.25

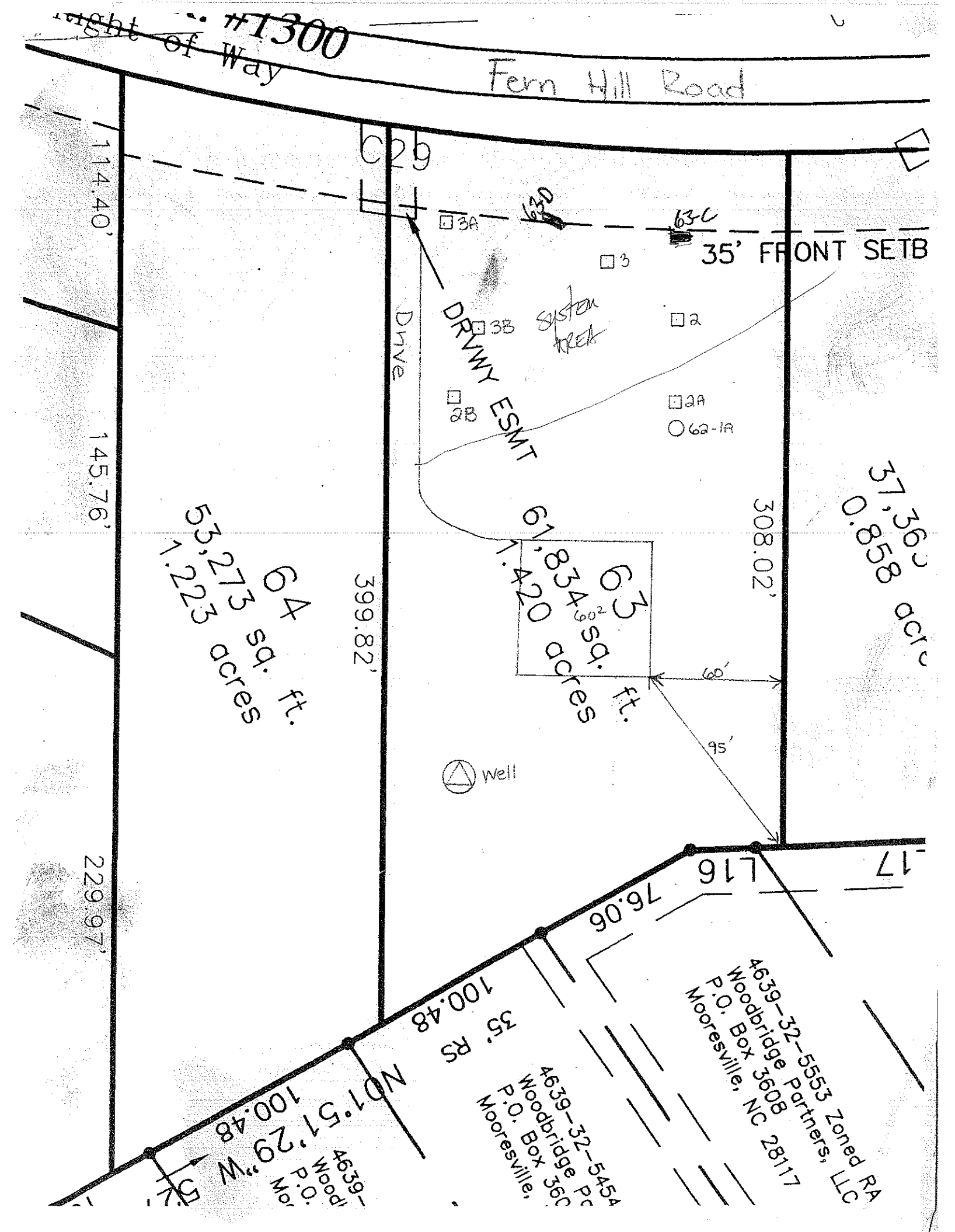
Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	Repair	Pink	LP PPBPS	79	3.7
2	System	Orange	25% Reduction	115 endfed	
3	System	Pink	25% Reduction	125 endfed	
4	System	Red	25% Reduction	120 endfed	
5	System	Blue	25% Reduction	120 endfed	
6	Repair	Orange	LP PPBPS	77	
7	Repair	Pink	LP PPBPS	78	
8	Repair	Red	LP PPBPS	78	13.5
9	Repair	Blue	LP PPBPS	50	14.6
				Total System: 480'	
				Total Repair: 362'	

Tank	Red	1000 gal (2 compartment)	29.2
Pump Tank	Red	1000 gal.	29.2
House	Blue	Right Front	17.2

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

Note: Use 36" Trench Bottom Depth.


Right of Way
#1300
Fern Hill Road
C29
114.40'
145.76'
229.97'
399.82'
308.02'
3A
3
3B
2
2B
2A
62-1A
DRVWY ESMT
Drive
63C
35' FRONT SETB
64
53,273 sq. ft.
1.223 acres
63
1,834 sq. ft.
1.420 acres
37,36
0.858 acr
60'
95'
Well
L16
L7
76.06
100.48
35' RS
N01°51'29"W
100.48
4639-32-5553 Zoned RA
Woodbridge Partners, LLC
P.O. Box 3608
Mooresville, NC 28117