Lot 55 GA. Mills Plantation Fast Track Septic System Information

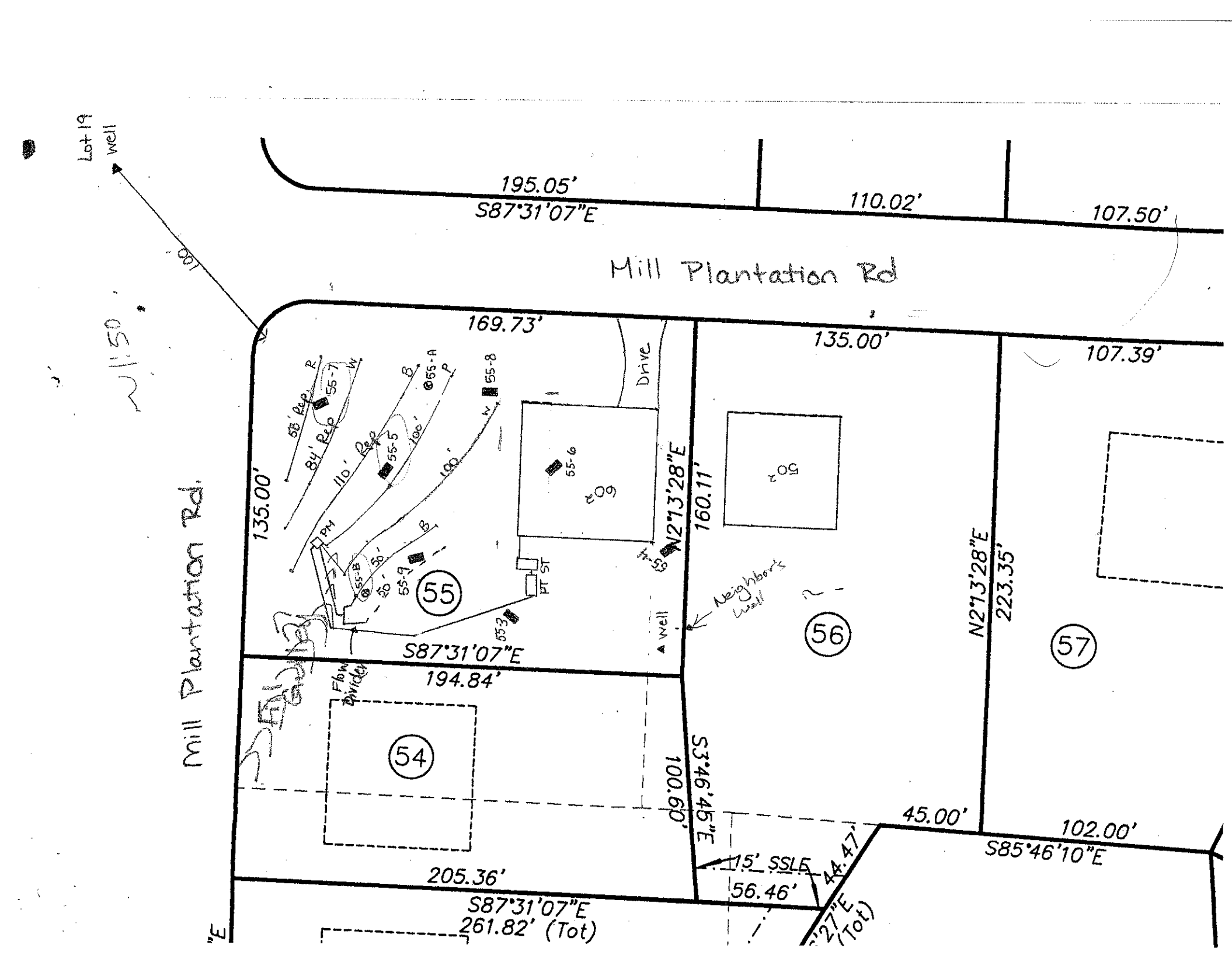
Number of Bedrooms	**3**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold to Flow Divider
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	135' of 2" SCH 40 PVC
Flow Rate through the system	16.5 gpm
Elevation head	Approx. 16'
Pressure head	2.0'
Friction head	1.0'
20% Contingency	3.8'
Total Head	22.8'
Pump Requirements	16.5 gpm @ 22.8' 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. 14.5 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	252
Repair Loading Rate	0.3

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	Red	LPPPBPS	58	2.2
2	Repair	White	LPPPBPS	84	
3	Repair	Blue	LPPPBPS	110	
4	System	Pink	25% Reduction	100 endfed	
5	System	White	25% Reduction	100 endfed	
6	System	Blue	25% Reduction	50 endfed	7.3
7	System		25% Reduction	50 endfed	
				Total System: 300'	
				Total Repair: 252'	

Tank	Red	1000 gal (2 compartment)	10.2
Pump Tank	Red	1000 gal.	10.2
House	Pink	Right Rear	8.5

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


Lot 19
well
195.05'
S87°31'07"E
110.02'
107.50'
Mill Plantation Rd
169.73'
135.00'
107.39'
Drive
55-7
55-A
55-8
55-5
55-6
55-B
55-9
55-4
55-3
PM
PT
ST
55
56
57
54
135.00'
160.11'
N21°13'28"E
223.35'
Neighbors well
well
S87°31'07"E
194.84'
Flow Divider
100.60'
S3°49'45"E
45.00'
102.00'
S85°46'10"E
15' SSLE
44.47'
56.46'
205.36'
S87°31'07"E
261.82' (Tot)
Mill Plantation Rd.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Georgia Mills Plantation — APPLICATION DATE: ___
ADDRESS: ___ — DATE EVALUATED: ___
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): ___ — PROPERTY SIZE: ___
LOCATION OF SITE: Lot 55 — PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1949 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
1									
2	55-3	0-16	Mo GR SL	FR NS/NP	Br				
		16-50	WK SBK SCL	FR SS/SP	Red, C 4/8 Br, (F 2.5Y 6/2 16-39)				US
	55-5 L OK	0-19	WK SBK SCL	FR SS/SP	Red		f-Sap		
		19-45	WK SBK C	FR SS/SP	Red		C-Sap		0.3
	55-4	0-15	Mo SBK C	FR SS/SP	Red				
		15-42	WK SBK C	FR SS/SP	Red; C Mn; C 10YR 5/6		F sap	(Yel Br)	0.25
		42-61	WK SBK CL	FR SS/SP	Red				

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

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: Kathleen Saunders, Karen Wallace
OTHER(S) PRESENT: ___

MMENTS: ___

EPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
IVISION OF ENVIRONMENTAL HEALTH
N-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

WNER: _____ APPLICATION DATE _____
DDRESS: _____ DATE EVALUATED: _____
ROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
OCATION OF SITE: _____ PROPERTY RECORDED: _____
ATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
VALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

.1949 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
		.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
55-6 L	0-20	WK SBK SCL	FR SS/SP	Br; C yel	Br			0.2-0.25 to 38"
	20-38	WK SBK CL	FR SS/SP	Red Br; C yel Br				
	38-53	WK SBK CL	FR SS/SP	Red; C yel	Br + 2 chroma			
55-7 L OK	0-17	Mo SBK C	FR S/P	Red		Fsap		0.3-0.35
	17-26	Mo SBK CL	FR SS/SP	Red		Csap		
	26-36	WK SBK CL	FR SS/SP	Red				
	36-66	MA SL SAP	FR/VFR SS/SP	Multi				
55-8 L water in pit	0-9	Mo GR SL	FR SS/SP	Br				0.25-0.3
	9-17	WK SBK SCL	FR SS/SP	yel Red				
	17-38	Mo/WK SBK C	FR SS/SP	Red; F/C	yel Br	Fsap		
	38-55	WK SBK CL	FR SS/SP	Red		C sap		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
le Space (.1945)		
Type(s)		
AR		

NTS: _____

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Kathleen Saunders, Karen Wallace
OTHER(S) PRESENT: _____

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ *of* ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

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

PROFILE #	.1949 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	AH 55A	0-10	MO SBK CL	FR SS SP	Red				
		10-30	WK SBK CL	FR SS SP	Red		F sap		
		30-42	WK SBK CL	FR SS SP	Red		C sap		0.3
2	AH 55B OK	0-17	MO SBK C	FR SS SP	Red		F-sap		
		17-40	WK SBK SC	FR SS SP	Red, MULTI		C-MS sap		0.3
3	55-9 L	0-7	MO GR SL	FR SS/SP	Br				
		7-21	MO SBK C	FR S/P	Red		F sap		
		21-50	WK SBK CL	FR SS/SP	Red		C sap		0.3
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)		
/stem Type(s)		
le LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

MMENTS: _____