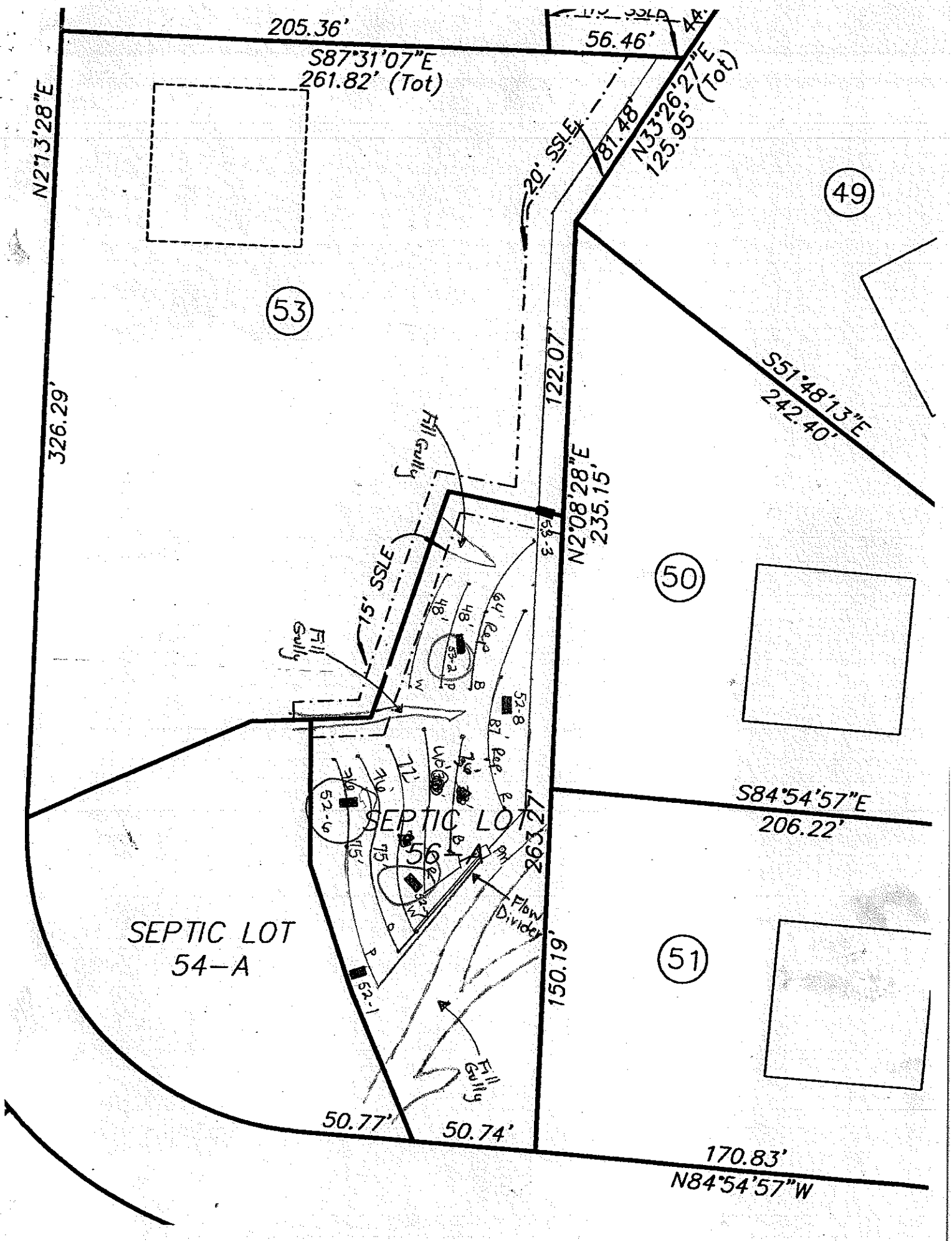
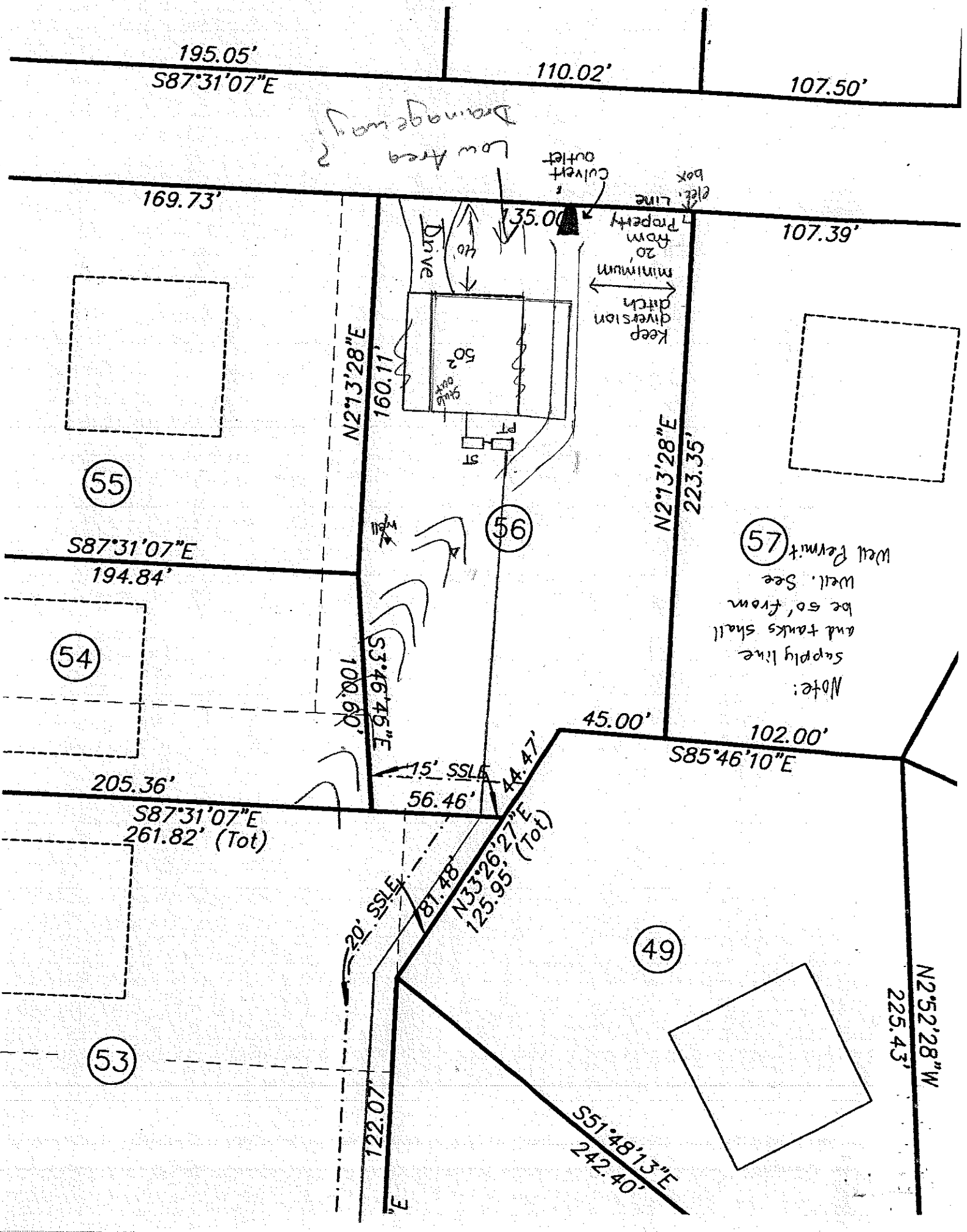

205.36'
S87°31'07"E
261.82' (Tot)
56.46'
N33°26'27"E
125.95' (Tot)
81.48'
20' SSLE
N2°13'28"E
326.29'
53
49
122.07'
S51°48'13"E
242.40'
N2°08'28"E
235.15'
50
Fill Gully
15' SSLE
Fill Gully
64' Ref.
48'
48'
53-3
53-2
52-8
87' Ref. B
SEPTIC LOT
56-A
52-6
71'
40'
36'
36'
75'
75'
292.27'
Flow Divider
S84°54'57"E
206.22'
SEPTIC LOT
54-A
52-1
150.19'
51
Fill Gully
50.77'
50.74'
170.83'
N84°54'57"W


195.05'
S87°31'07"E
110.02'
107.50'
Drainage way?
Low area
Culvert outlet
elec. line box
169.73'
135.00'
107.39'
Drive
40'
Keep diversion ditch minimum 20' from Property
50²
Gate
PT
ST
N2°13'28"E
160.11'
N2°13'28"E
223.35'
55
56
57
Well Permit
S87°31'07"E
194.84'
54
S3°46'45"E
100.00'
Note:
Supply line and tanks shall be 50' from well. See
45.00'
102.00'
S85°46'10"E
15' SSLE
44.47'
205.36'
56.46'
S87°31'07"E
261.82' (Tot)
20' SSLE
81.48'
N33°26'27"E
125.95' (Tot)
49
N2°52'28"W
225.43'
53
122.07'
S51°48'13"E
242.40'

Lot 56 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	5 (See Table)
Total Linear Feet	301
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	510' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 10.6'
Pressure head	2.0'
Friction head	3.9'
20% Contingency	3.3'
Total Head	19.8'
Pump Requirements	22 gpm @ 19.8' 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	247
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Red	LPPPBPS	87	872.5
2	Repair	Blue	LPPPBPS	64	
3	Repair	Pink	LPPPBPS	48	
4	Repair	White	25% Reduction	48	
5	System	Blue	25% Reduction	38 endfed	
6	System	Red	25% Reduction	38 endfed	
7	System	White	25% Reduction	75 endfed	
8	System	Orange	25% Reduction	75 endfed	
9	System	Pink	25% Reduction	75 endfed	865.2
				Total System: 301'	
				Total Repair: 247'	

Tank	Red	1000 gal (2 compartment)	869.9
Pump Tank	Red	1000 gal.	869.9
House	Pink	Right Rear	869.3

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: Fill all minor gullies in septic area. Keep surface drain 20 feet away from left property line on lot.

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 #	.1940 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	52-1 L	0-3	Mo GR SL	FR ns/np	Br				0.3
		3-27	WK SBK CL	FR SS/SP	multi		C sap		
		27-48	WK SBK CL	FR SS/SP	multi		M sap		
		* Rock	on opposite wall		23"-47" - soil in cracks; 14" wide				
2	52-7 L OK	0-3	Mo GR SL	FR SS/np	Br				0.35
		3-20	Mo SBK C	FR SS/SP	Red		F sap		
		20-41	WK SBK CL	FR SS/SP	Red; wavy boundary		F/C SL sap inc		
		41-60	MA SL sap	FR SS/np	multi				
3	52-6 LC OK	0-16	Mo SBK C	FR SS/SP	Red		C SL sap inc.		0.35
		16-29	WK SBK CL	FR SS/SP	Red yel				
		29-60	MA L/FSL sap	FR SS/np	multi				
4	52-8 L	0-15	Mo GR SL	FR ns/np	Br				0.3
		15-26	Mo SBK C	FR S/P	Red; F Br	mottles			
		26-46	WK SBK CL	FR SS/SP	Red		C SL sap inc		
		46-58	MA L/csl sap	FR SS/SP	Red; F Fi	pockets			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
.vailable Space (.1945)		
ystem Type(s)		
te LTAR		

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

MMENTS: _____

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 #	.1940 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	53-2 L OK	0-9	Mo GR SL	FR ns/np	Br		F Relic yel Br		0.3
		9-29	Mo SBK C	FR SS/SP	Red		F Relic yel Br		
		29-55	WK SBK CL	FR SS/SP	Red		C Sap		
2	53-3 L	0-9	Mo GR SL	FR ns/np	Br				0.25-0.3
		9-27	WK ABK C	FR SS/SP	Red		F/C Sap		
		27-51	WK SBK CL	FR SS/SP	Red				
3									
4									

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

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

COMMENTS: _____

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: Pilot Dev. APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 1/14/08
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: GA Mills #56 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) .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	53-2	0-9	Brn SL	GR, NS, NP, FR					PS .3
		9-29	Rd C	mSBK FR, SS, SP					
		29-50	Rd CL	wSBK FR, SS, SP			w/Inclus of SAP		
2	52-1	0-3	Brn SL	GR FR, SS, NP					PS .35
		3-41	Rd C/CL	m-wSBK, SS, SP, FR			w/Inclus of SAP		
		41-60	Rd/Brn/Gy SL	SAP SS, NP					
3	52-6	0-16	Rd C	mSBK FR, SS, SP					PS .35
		16-29	Rd/Yel CL	wSBK SS, SP, FR			w/Inclus of SAP		
		29-50	Rd/Yel/Brn mSCL	SL SAP SS, NP					
4									

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

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

COMMENTS: _____