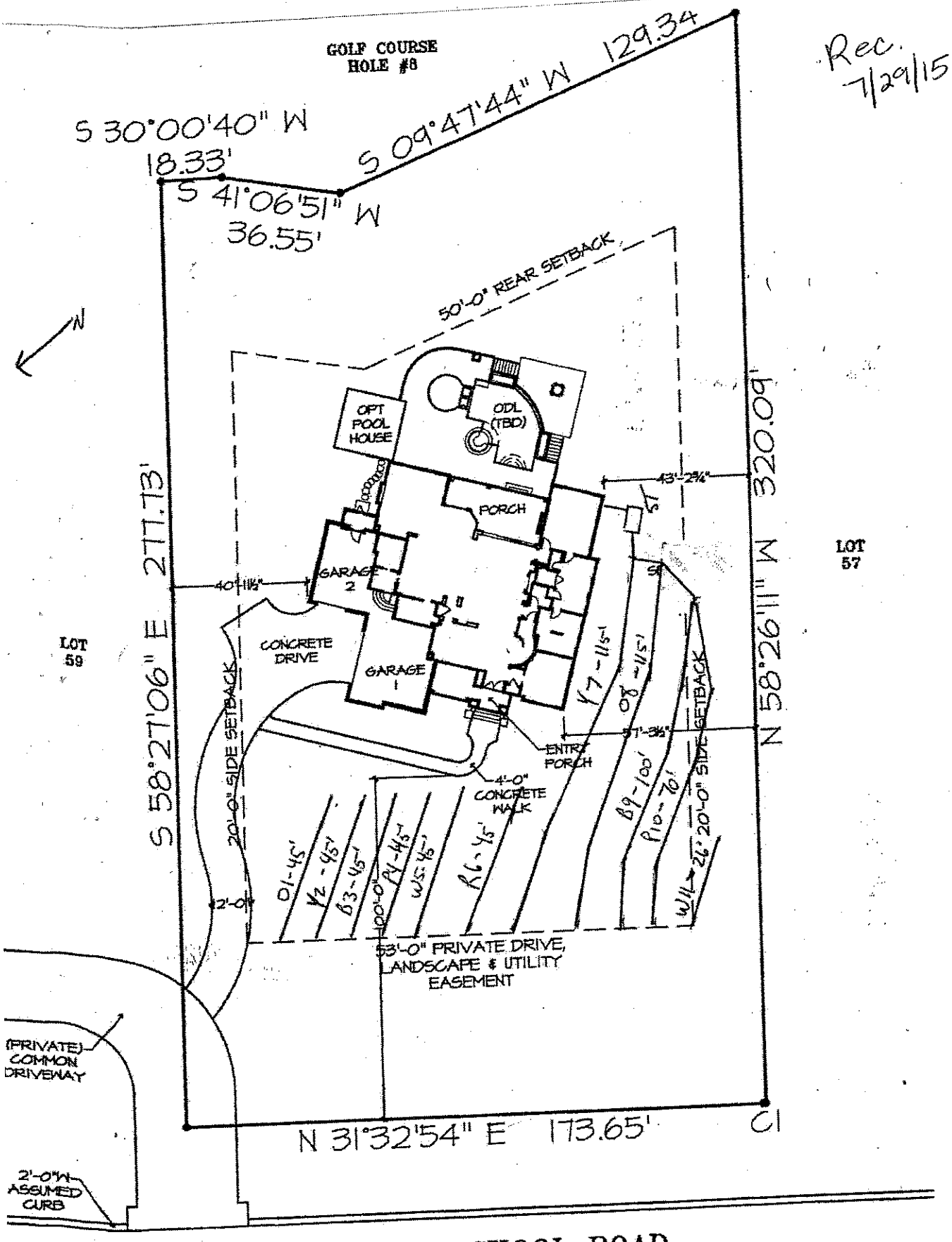


CURVE DATA:				
CURVE	RADIUS	LENGTH	CHORD	DELTA	CHORD BRNG
C1	2,910.00'	0.76'	0.76'	00°00'54"	N 31°33'22"E

LOT AREAS:	
HOUSE	4,888 SQ. FT.

Scale
1"=40'

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

PROPERTY ID #: 4625966076
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Richard & Linda Piranio
ADDRESS: 191 Falmouth Rd., Mooresville, NC
APPLICATION DATE
DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 1.161 AC
LOCATION OF SITE: 1857 Brawley School Rd., Point 1B Lot 58
PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☒ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Approved MP 2/23/15

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 5% ✓	0-4	Br SCL WSBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3
		4-36	R C SBK	FR SS SP					
		36-48	R CL WSBK	FR SS SP					
2	LS 5% ✓	0-4	Br SCL WSBK	FR SS SP	N/A	46"	F-C SAP	N/A	PS 0.3
		4-34	R C SBK	FR SS SP					
		34-46	R CL WSBK	FR SS SP					
		46-48	VER L SAP M	FR SS SP					
3	LS 5% ✓	0-3	Br SCL WSBK	FR SS SP	N/A	49"	F-C SAP	N/A	PS 0.3
		3-26	R C SBK	FR SS SP					
		26-49	R CL WSBK	FR SS SP					
4	LS 5% ✓	0-27	R C SBK	FR SS SP	N/A	45"	F-C SAP	N/A	PS 0.3
		27-45	R CL WSBK	FR SS SP					
		45-48	VER L SAP	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	888 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4625966076
DATE OF EVALUATION:
COUNTY: IREDELL

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 3%	0-20	R C SBK	FR SS SP	N/A	36"	F-C SAP	N/A	PS 0.3
		20-38	R CL WSBK	FR SS SP					
		38-48	VER L SAP M	FR SS SP					
	4-15-16 pit below bottom line	0-18	Clay w. sBK	slightly Firm SS, Sp, Sap	—	36"	common S	—	0.35 PS
		18-36"	clay Loam W SBK	slightly Friable SS, Sp, Sap					
		36"-60"	massive Loamy Saprolite	very friable + well drained					
		☆ Dug due to system installed @ 32-34" (high side of trench)							

COMMENTS:

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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

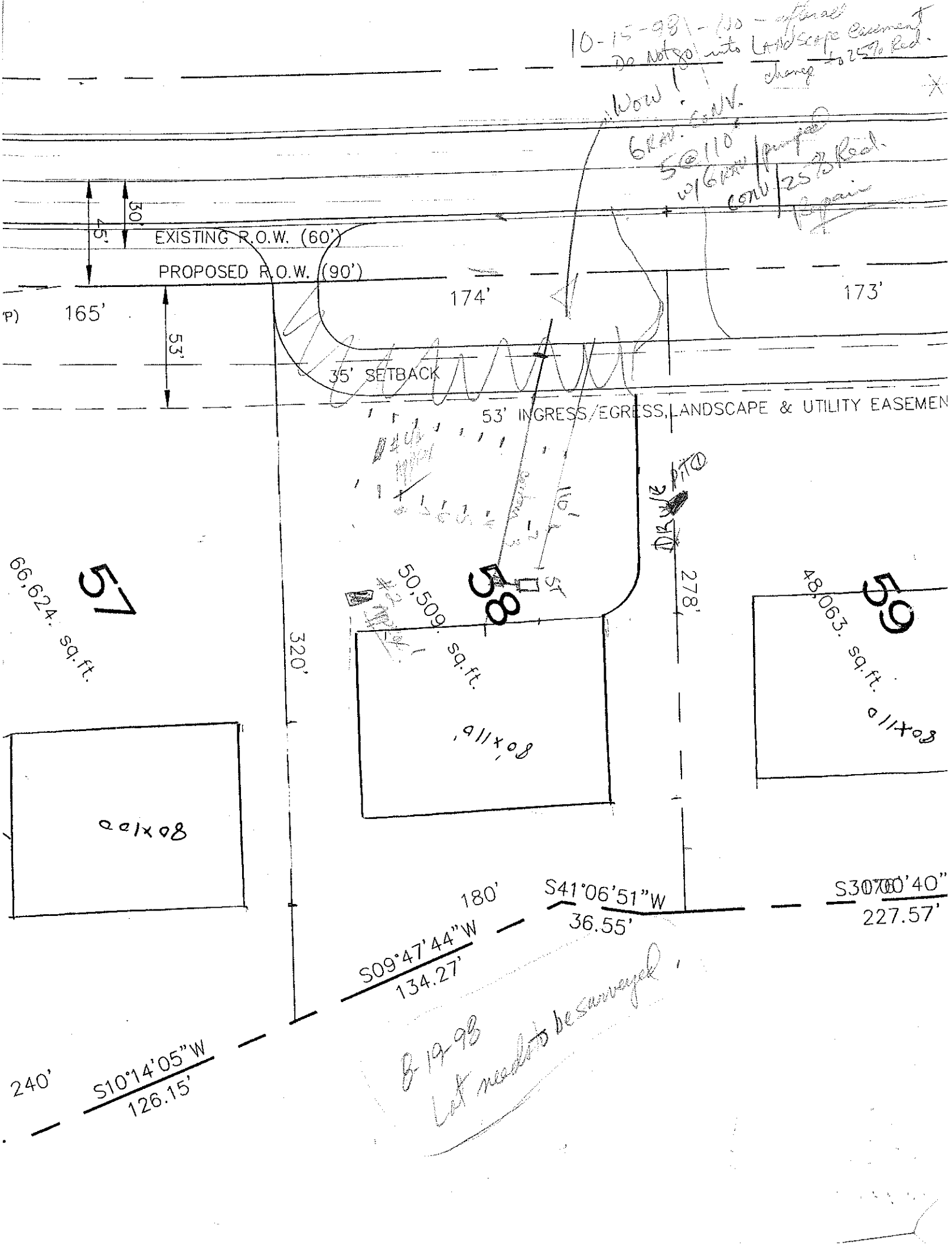
OWNER: CRT APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 8-19-98
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 58 phase 1B The Pointe PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
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		0-5	scl						PS .3
		5-35	mfsbk RC	fr sssp					
		35-54	wkfsbk RCk	frsssp (thin wk plac)					
			common fine red sap						
2		0-16	mfsbk RC	fr sp					PS .3
		16-33	BC mfsbk ok	fr sssp					
		33-51	massive yhrd sap	fr sssp					
3	11 94	0-7	sl vfsbk scl/cl fr						PS .3
		7-22	mfsbk RC	~~brk~~ fr sssp					
		22-53	mfsbk mod	fr sssp					
			common						
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: _____

BSR
PC
House
15'
13'
Pit Dug
4-15-16
to Evaluate
SAP
System installed
Too deep
TP


10-15-98 - DO - offsite
Do Not go into Landscape easement
change to 25' Rd.
WOW
6" C.M.W.
5@110'
w/6" pumper
60'W 25' Road
Repair
30'
45'
EXISTING R.O.W. (60')
PROPOSED R.O.W. (90')
165'
174'
173'
53'
35' SETBACK
53' INGRESS/EGRESS, LANDSCAPE & UTILITY EASEMEN
PITCH
DRIVE
278'
320'
57
66,624. sq.ft.
58
50,509. sq.ft.
59
48,063. sq.ft.
.911x.08
.911x.08
.911x.08
180'
S41°06'51"W
36.55'
S30°00'40"
227.57'
S09°47'44"W
134.27'
240'
S10°14'05"W
126.15'
8-19-98
Lot needs to be surveyed