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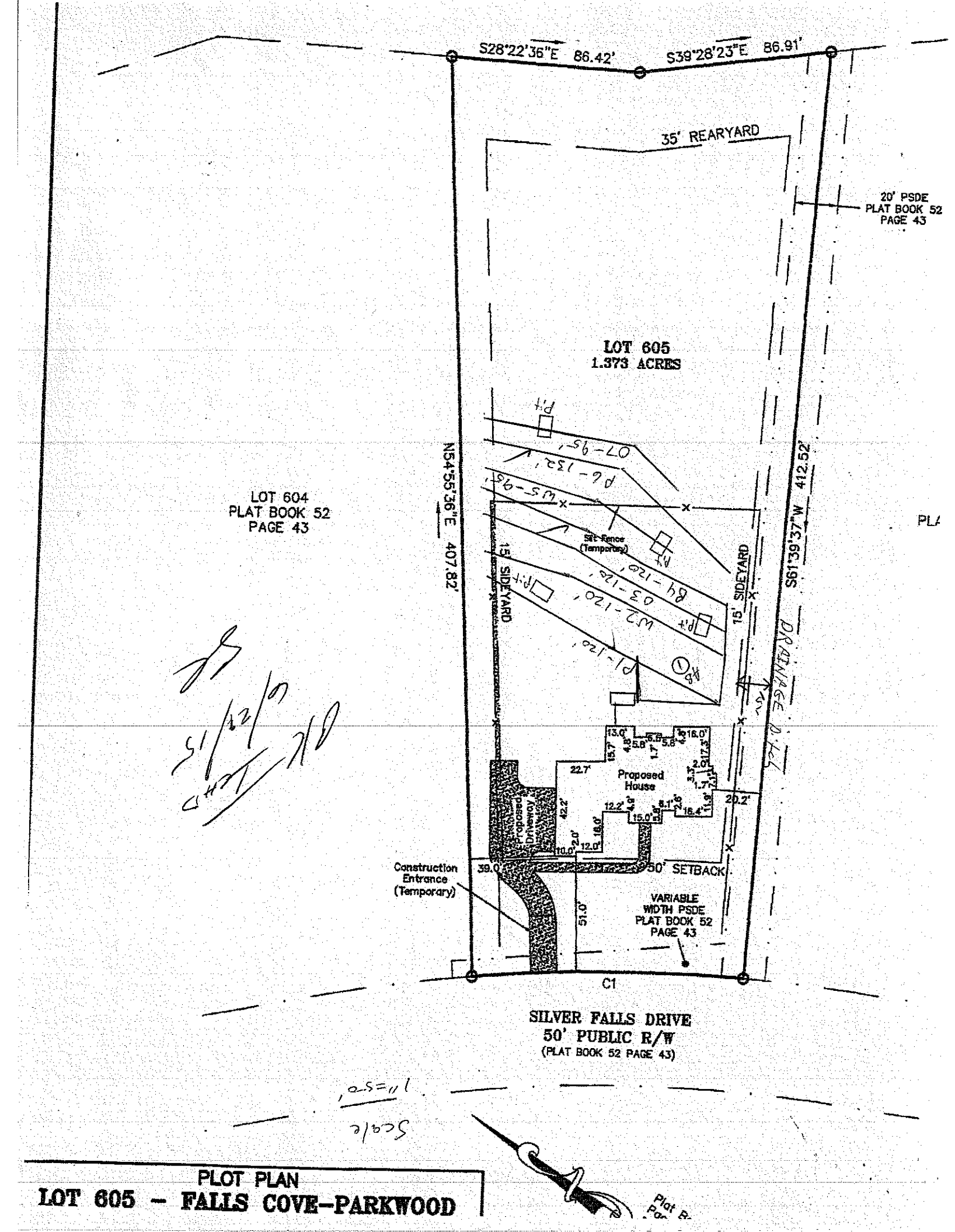
Reference: Data Sheet for 139 Silver Falls Dr., Falls Cove Lot 605
House Footprint: See attached plan
Building Setbacks: 50' front, 35' rear, 15' side
Water Source: Public water
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.25 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-End cap/drop boxes
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 24-36"

OK ICHD 6/29/15 SL

Line	Design Length	Actual Length
Pink 1	**120'**	**120'**
White 2	**120'**	**120'**
Orange 3	**120'**	**120'**
Blue 4	**120'**	**120'**
White5		95'
Pink 6		132'
Orange 7		95'

Initial System: 480' **Repair System:** 322'

Comments:
The purpose of this evaluation is to change the system to a 25% reduction system. The system is laid out in the original soil area. The old pit locations are still visible at the time of this evaluation. MA&A performed one soil observation to confirm the LTAR.



PLOT PLAN

LOT 605 – FALLS COVE–PARKWOOD

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

PROPERTY ID #: 4730220242
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: ELG Investments LLC APPLICATION DATE
ADDRESS: 16108 North Point Rd Huntersville, NC DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 1.373 AC
LOCATION OF SITE: 139 Silver Falls Dr,. Falls Cove Lot 605 PROPERTY RECORDED: 6/28/2007
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	LS 7%	0-10	Br SCL WSBK	FR SS SP	Mn, Few YB Com YB @ 42"	48"	N/A	N/A	PS 0.25
		10-48	R C SBK	FR SS SP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1440 FT2	966 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.25 (ICHD)	0.25 (ICHD)

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

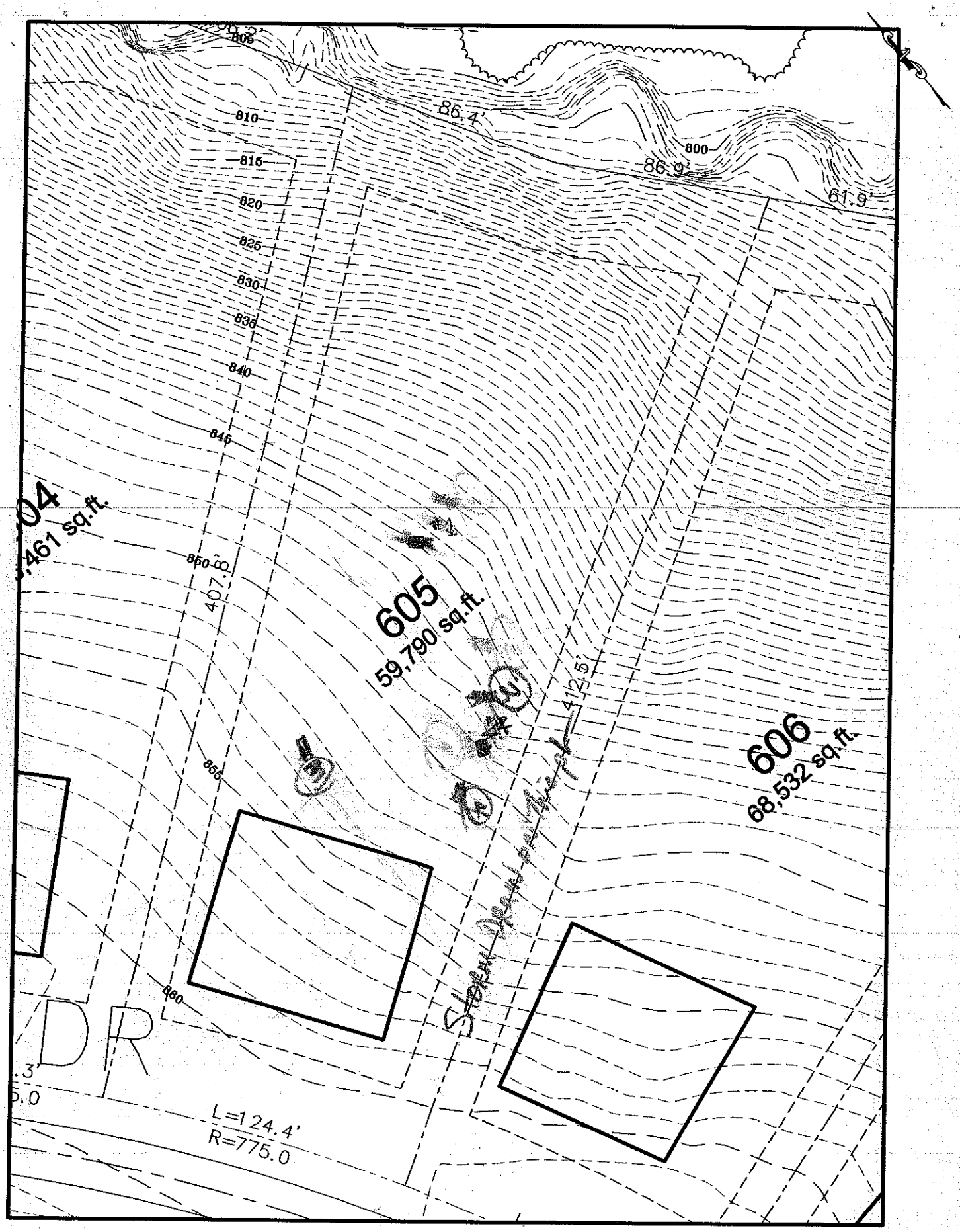
OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Parkwood #605 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger 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	L/ TOP of S 5-10%+	0-7	WK, MF, GR, SL	VFr, NS, NP (Brown)					PS 0.30
		7-26	Mo, M, SBK/Amx, C	Fr, SS, SP (Red)					
		26-44	WK, M, SBK, CL	Fr, SS, SP w/ Fe	SAP Inclus.				
		44-58	L SAP + CL	MIX Fr, SS, SP					
2 (AR)		0-8	WK, SBK-GR, SL/CL	Fr, NS, NP (Br)					PS 0.25
		8-48+	SBK, C	Fr-Fi; SS, SP (Red)	Yellow-Brown Mottles				
3		0-12	grBSCL	frss/sp					.3
		12-46	mfsbkRC	frss/sp					
		46-60	WK SBK R/Y	frss/sp	common sap				
4	5%	0-14	gr DRY SL	frssp					.25 to 42" Restrictive
		14-33	WK SBK CL	frssp					
		33-42	WK MOD SBK C	frssp	Red/Gray/Brown Mottles				
		42-60	MOD SBK C	frssp	common gray/brown mottles, few sap				

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: _____


806
810
815
820
825
830
835
840
845
850
855
860
86.4'
800
86.9'
61.9'
407.8'
605
59,790 sq.ft.
412.5'
606
68,532 sq.ft.
L=124.4'
R=775.0
DR
GRAPHIC SCALE
50
25
0
50
SCALE: 1" = 50'