

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for The Village at Isle of Pines, Lot 24
House Footprint: See attached
Building Setbacks: 50' front, 15' side, 35' rear
Water Source: Community well
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-drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 24-36"

ok ICHD

APPROVED MAR 12 2015

SL

Line	Design Length	Actual Length
Pink 1		26'
Orange 2		52'
Blue 3		138'
Pink 4	**156**	**158'**
White 5	**92'**	**94'**
Orange 6	**128'**	**128'**
Blue 7	**104'**	**105'**
Pink 8		91'
White 9		65'
Orange 10		35'

MA 3-12-15

Initial System: 480' **Repair System:** ~~480'~~ 327' @ .25 (320')

Comments:
There is currently a three bedroom PPBPS permit for this property. M A & Associates are proposing to change to a four bedroom 25% Reduction system with PPBPS repair. The LTAR was predetermined by ICHD. We performed one soil observation to confirm the soils. Any changes to this design by ICHD are welcome.

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

Sheet _1_ *of* _1_
PROPERTY ID #: 4636321814_
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

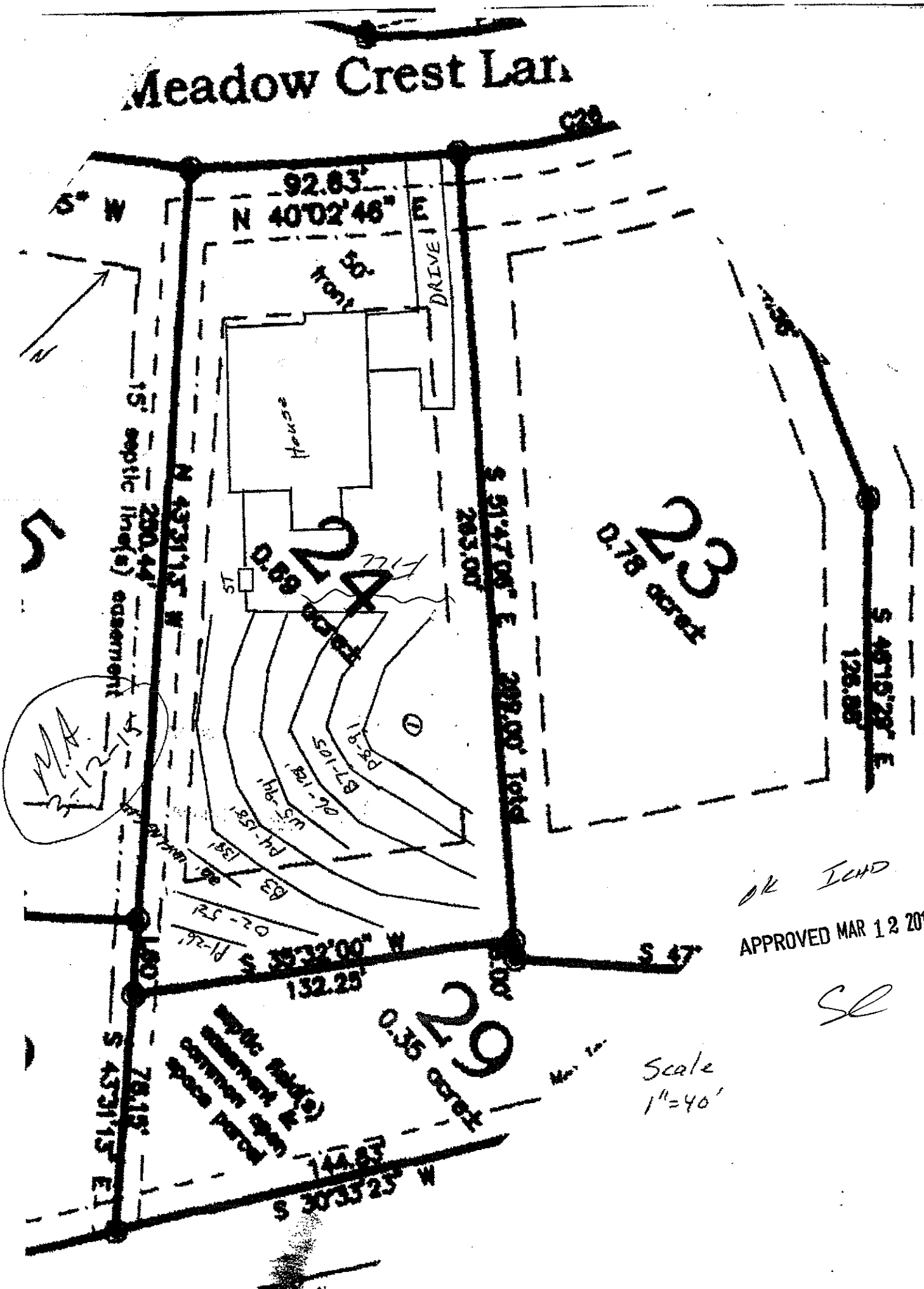
OWNER: _Taylor Made Custom Bldrs_____ APPLICATION DATE_____
ADDRESS: _403 Gilead Rd. STE H, Huntersville, NC_____ DATE EVALUATED: _____
PROPOSED FACILITY: __4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: __0.69 AC_____
LOCATION OF SITE: 108 Meadow Crest Ln., Village at Isle of Pines Lot 24_____ PROPERTY RECORDED: __2/24/2006_____
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	CCLS 3-5%	0-5	Br CL WSBK	FR SS SP	23-33" Few Mn	48"	N/A	N/A	PS 0.25-0.275
		5-48	R C SBK	FR SS SP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1440 FT2	1221 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 & Associates_____
OTHER(S) PRESENT: _____

COMMENTS: _____


Meadow Crest Lan
92.83'
N 40°02'46" E
DRIVE
House
septic line(s) easement
N 43°13'13" W 280.47'
S 51°47'06" E 282.00' Total
S 46°13'26" E
126.88'
0.69 acre
0.78 acre
0.35 acre
S 35°32'00" W
132.25'
S 43°13'13" E
78.15'
144.83'
S 30°35'23" W
Scale
1"=40'
APPROVED MAR 12 2015

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

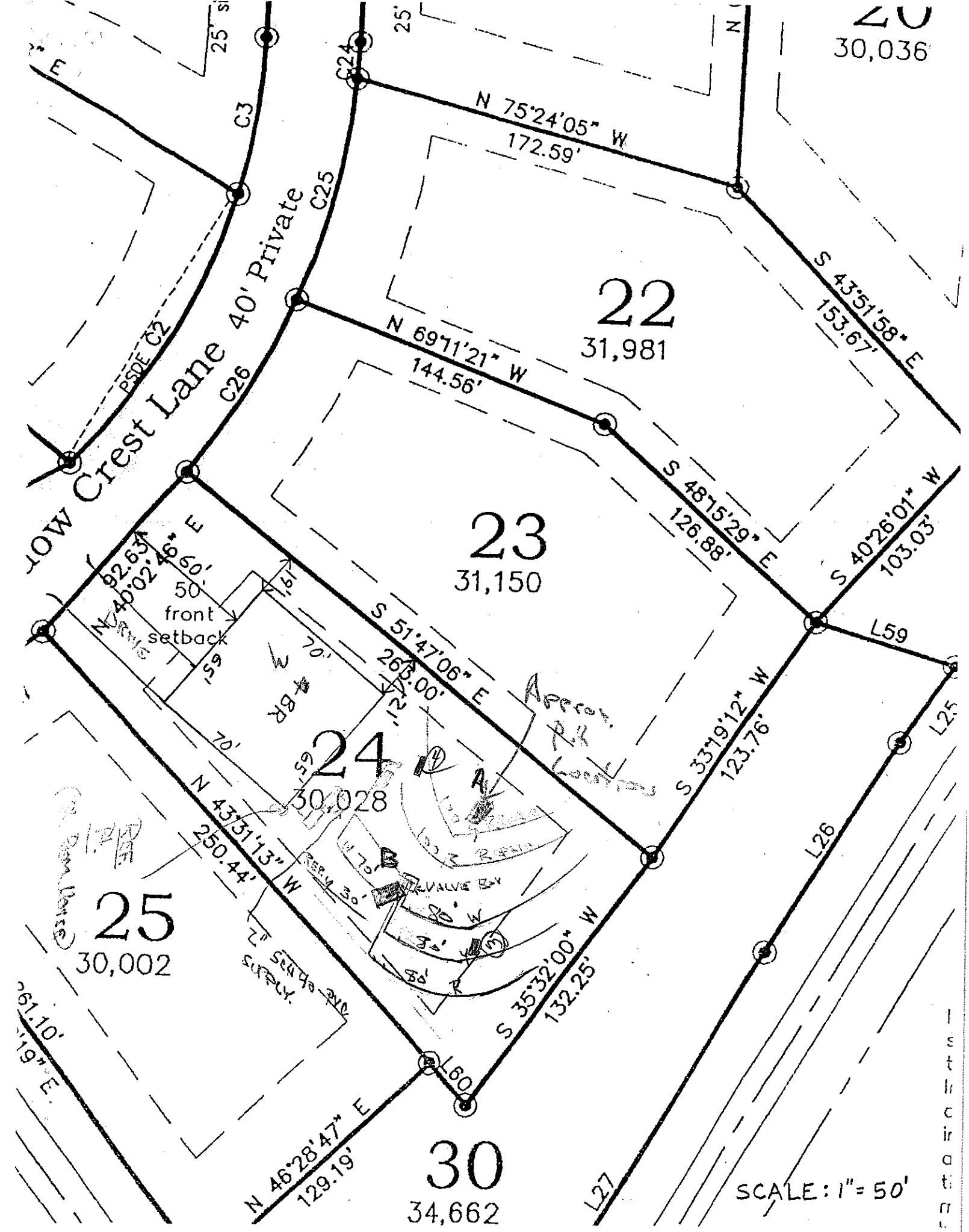
OWNER: Villages at Lk of Pines APPLICANT: Bonaldo Dev.
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 5-31-05
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Lot 24

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
A 1	H ~5%	0-7	WSBK SCL	FR SS/SP	Lr	56"	S in 0		PS .5
		7-18	MSBK C	FR SS/SP	RED		18+		
		18-56	WSBK CR	FR SS/SP	ready <10				
B 2	H/L ~5%	0-9	BK SL	FR SS/SP	Sproml		S SAP 43+		PS .25
		9-43	MSBK/ABK C	FR S/P					
		43-55	WSBK SCL	FR SS/SP					
3	6-17% DMK n5% L	0-4	WKSBK/MWSBK	FR SSSP	Sproml Lenypeatmottles				.25
		4-59	ABK/SBK RCLD	FI-FR SP-SSP/SSP					
4	n6% L	0-9	gr WKSBK/MWSBK SL	FR SSSP	Lenypeatmottles				.25-.3
		9-34	MWKSBK RCLD	FR SSSP SSP					
		34-52	WK-MSBK RCLD	FR SSSP					

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

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


30,036
N 75°24'05" W
172.59'
C3
C24
C25
C26
C2
PSDE
40' Private
Crest Lane
22
31,981
N 69°11'21" W
144.56'
S 43°51'58" E
153.67'
23
31,150
S 48°15'29" E
126.88'
S 40°26'01" W
103.03'
L59
S 51°47'06" E
263.00'
S 33°19'12" W
123.76'
L25
L26
L27
L60
S 35°32'00" W
132.25'
N 46°28'47" E
129.19'
N 43°31'13" W
250.44'
S 62.63'
N 40°02'46" E
50'
front
setback
70'
65'
24
30,028
25
30,002
30
34,662
Approx. R/R Location
VALVE BOX
SCALE: 1" = 50'