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

4705-34-7268

Sheet 1 of ___
PROPERTY ID #: ___
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: DISTINCTIVE HOUSING — APPLICATION DATE: 9-29-04
ADDRESS: 1480 NORTHSIDE DR. STATESVILLE 28625 — DATE EVALUATED: 10-29-04
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: ___
LOCATION OF SITE: L40W TR OMR TR MASSEY DEML TL SPEARPOINT ON RT — PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other FLINT RIDGE #20
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	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	L	0-2	wk gr sl	vfr ns/np sexp	—	>48"	—	—	PS 0.3
		2-30	mo sbk C	fr s/p sexp					
		30-48	mo sbk C+sap	fr s/p sexp					
2	L	0-3	wk sbk scl	vfr ss/sp sexp	—	44"	—	—	PS 0.3
		3-16	mo sbk C	fr s/p sexp					
		16-44	mo sbk C+sap	fr s/p sexp					
		44+	sl ma sap	—					
3	L	0-2	wk gr sl	vfr ns/np sexp	—	>48"	—	—	PS 0.3
		2-30	mo sbk C	fr s/p sexp					
		30-48	mo sbk C+sap	fr s/p sexp					
4	L	0-3	wk sbk scl	vfr ss/sp sexp	—	42	—	—	PS 0.3
		3-30	mo sbk C	fr s/p sexp					
		30-42	mo sbk C+sap	fr s/p sexp					
		42+	sl ma sap	—					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Pump 25% Red	LPP Panel 50%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): NEEDS PITS TO BE DUG
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: CS
OTHER(S) PRESENT: Emery Young

COMMENTS: ___

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

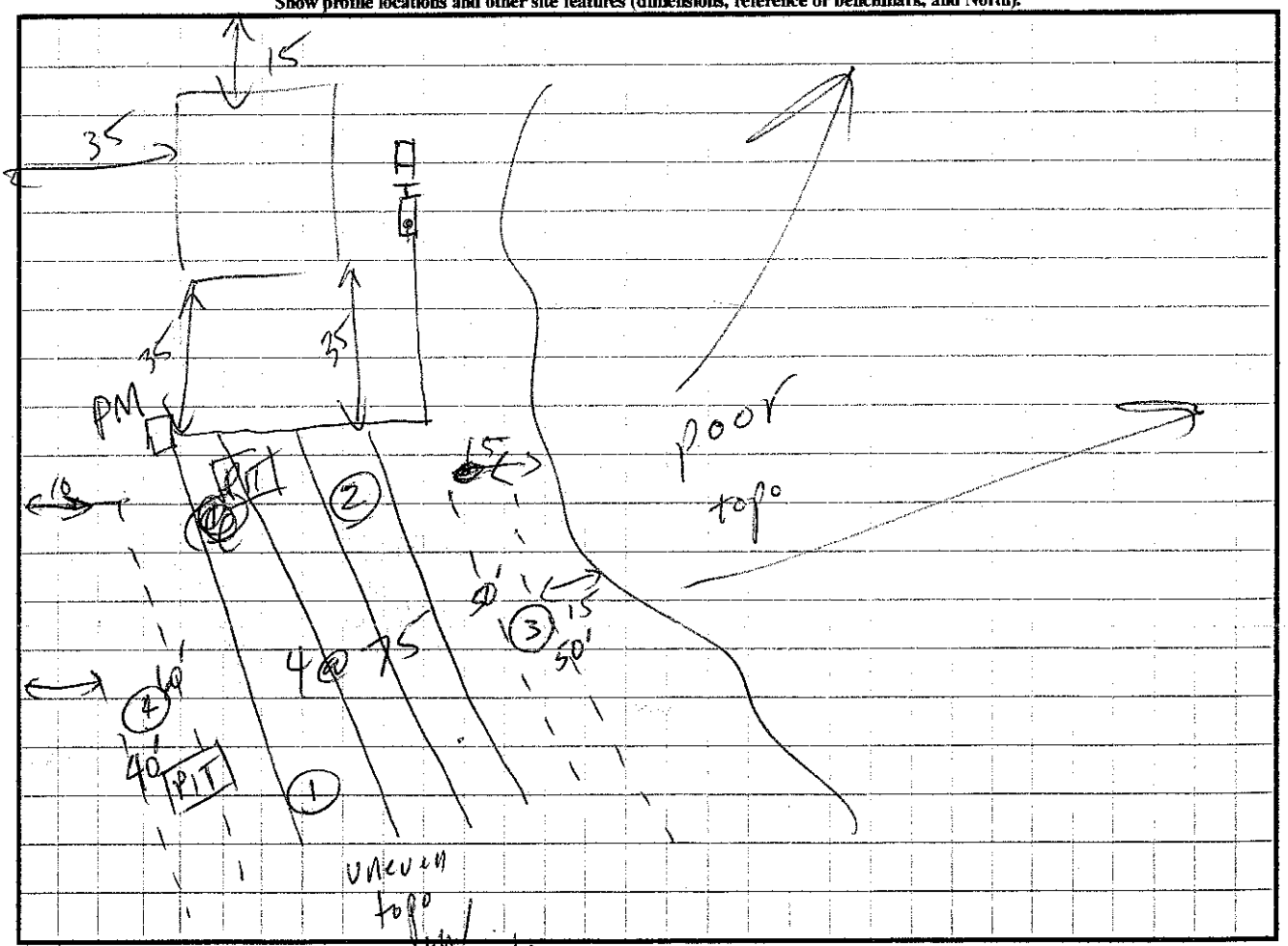
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



SPEAR POINT LN

DENR (######)
Review (#####)

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ON-SITE WASTEWATER SECTION

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Sheet 1 of ___
PROPERTY ID #: ___
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: DISTINCTIVE HOUSING INC — APPLICATION DATE: 9-29-04
ADDRESS: 164 BULLFINCH RD MOORESVILLE 28117 — DATE EVALUATED: 11-3-04
PROPOSED FACILITY: 3 BR — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: .98
LOCATION OF SITE: I-40W ~~[illegible]~~ RT TL ONTO TR MASSEY DEAL TL SPEARPOINT — PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other ON RT.
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	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	L	0-9	wk sbk scl	vfr ss/sp sexp	—	44	PS	—	PS 0.3
		9-22	wk sbk c	fr s/p sexp					
		22-44	wk sbk c+sap	fr s/p sexp					
		44-48	sl ma sap	sl					
2	L	0-7	wk sbk scl	vfr ss/sp sexp	—	42	PS	—	PS 0.3
		7-30	wk sbk c	fr s/p sexp					
		30-42	wk sbk c+sap	fr s/p sexp					
		42-48	sl ma sap	sl					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Pump 25%	LP 50%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): A SMOOTH OUT ROUGH TOPO
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: CS
OTHER(S) PRESENT: EMORY YOUNG

COMMENTS: ___

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
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	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

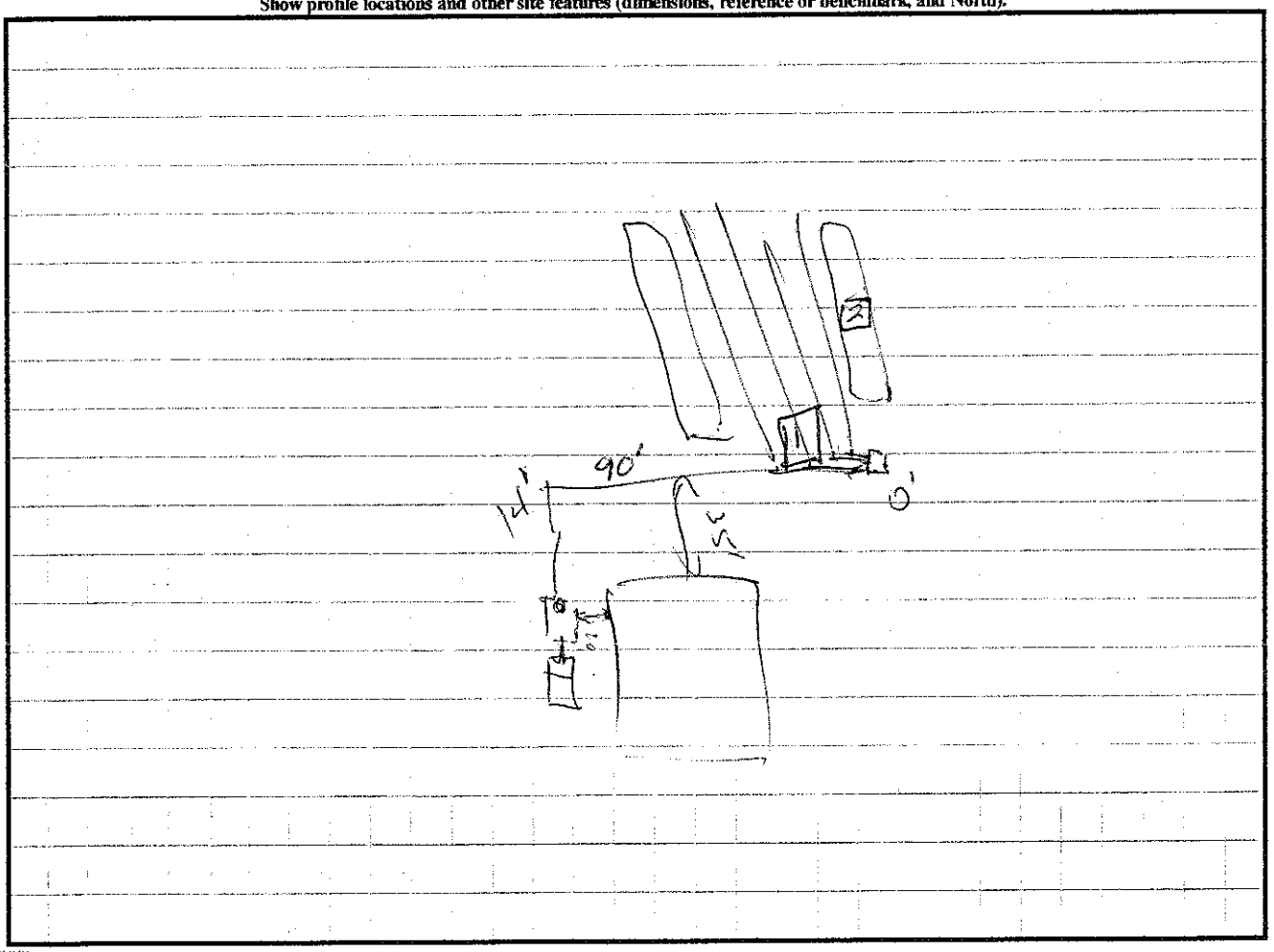
NOTES

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CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

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Show profile locations and other site features (dimensions, reference or benchmark, and North).



SPRAY POINT <11'

DENR (######)
Review (#####)