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

4860-74-0637

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Ire

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: A-1 Builders LLC
APPLICANT: A-1 Builders, LLC
ADDRESS: P.O. Box 6723 Statesville, NC 28687
APPLICATION DATE: 11/13/03 DATE EVALUATED: 12/16/03
PROPOSED FACILITY: 3 br PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: .73 ac
LOCATION OF SITE: Hwy 21N ⓛ Tabor Rd ⓡ Ashford Dr. Prop on right PROPERTY RECORDED: yes
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFIL CLASS & LTAR
1	L 15%	0-6	WK GR SL	VFR SS/SP SEXP	>48	>48	N/A	N/A	PS .3
		6-28	MO SBK C	FR S P SEXP					
		28-48	MO SBK SCL+SAP	FR S P SEXP					
2	L 18%	0-5	WK GR SL	VFR SS/SP SEXP	>42	42 10% mica @ 27"	N/A	N/A	PS .3
		5-27	MO SBK C	FR S P SEXP					
		27-42	MO SBK SCL+SAP	FR S P SEXP					
		42+	SL M SAP	—					
3	L 7%	0-6	WK GR SL	VFR SS/SP SEXP	>36	36	N/A	N/A	PS .3
		6-20	MO SBK C	FR S P SEXP					
		20-34	WK SBK/ABK SCL+SAP	FI S P SEXP					
		36+	SL M SAP	—					
4	L 11%	0-7	WK GR SL	VFR SS/SP SEXP	>40	40	N/A	N/A	PS .3
		7-27	MO SBK C	FR S P SEXP					
		27-40	MO SBK SCL+SAP	FR S P SEXP					
		40+	SL M SAP	—					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: C.S.
OTHER(S) PRESENT: Gerald McLaughlin

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)		SLC (Silt Loam Clay)				
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)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

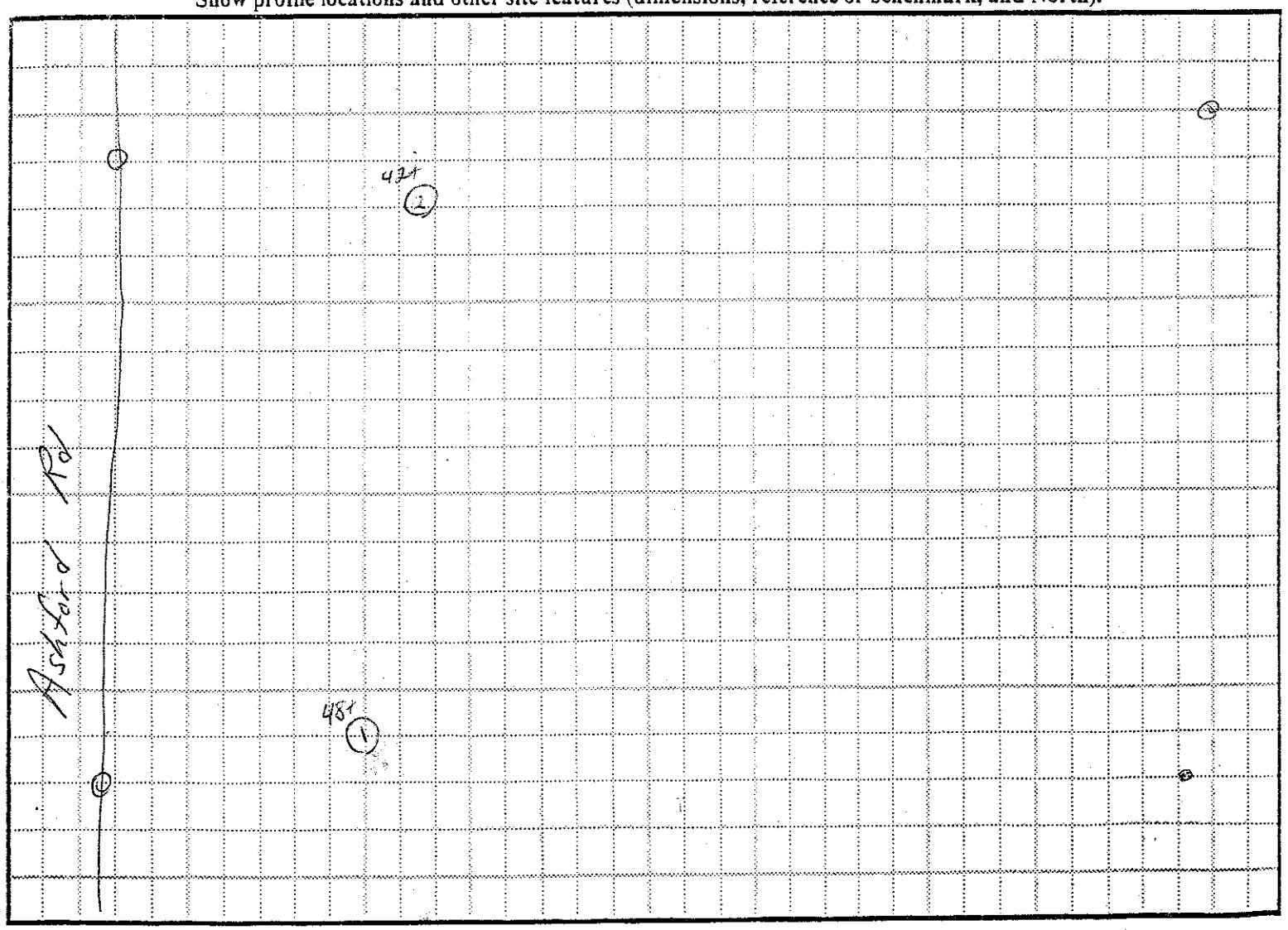
NOTES

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/ft²

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



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X 5	L 10%	0-5	WK GR SL	VFR SS/SP SEXP	>43	43	N/A	N/A	PS .3
		5-20	MO SBK C	FR S P SEXP					
		20-43	MO SBK SCL+SAP	VFR S P SEXP					
		43+	SL m SAP	—					
X 6	L 15%	0-5	WK GR SL	VFR SS/SP SEXP	>43	43 10-15% mica @ 15"	N/A	N/A	PS .3
		5-15	MO SBK C	FR S P SEXP					
		15-43	MO SBK SCL+SAP	VFR S P SEXP					
		43+	MO SBK SAP	—					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Conv Grav	25% Red Grav
Site LTAR	0.3	0.3

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SITE CLASSIFICATION (.1948): PS
EVALUATED BY: C.S.
OTHER(S) PRESENT: Gerald McLaughlin A-1 Bldrs

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