DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____

PROPERTY ID #:

COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Charlotte Reid — APPLICATION DATE: 6-3-16

ADDRESS: 801 Park Dr. Statesville, NC — DATE EVALUATED: 7/13 & 7/14 2016

PROPOSED FACILITY: 2 3 BR — PROPOSED DESIGN FLOW (.1949): 240 GPD — PROPERTY SIZE: 1.89 acres

LOCATION OF SITE: 319 James Farm Rd. Statesville — 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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	13% Shoulder Primary Area	0-32	R. Clay W. SBK	Sl. Firm, SS, Sp, Sexp	—	48	—	—	0.30 PS
		32-48	R. Clay Loam W. SBK	Sl. Friable SS Sp Sexp some mica 30-48"					
2	13% Shoulder Primary Area	0-34	R. Clay W. SBK	Sl. Firm, SS, Sp, Sexp	—	48	—	—	0.275 PS
		34-48	R. Clay Loam W. SBK	Sl. Friable, SS, Sp, Sexp					
3	8% Repair	0-48	R. Clay W. SBK & V. Abk 30-48"	Sl. Firm, SS, Sp, Sexp	—	48	—	—	0.275 PS
4	17% Repair	0-33	R. Clay W. SBK	Sl. Firm, SS, Sp, Sexp	—	48	—	—	0.30 PS
		33-48	R. Clay Loam W. SBK	Sl. Friable, SS, Sp, Sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	355 LF	
System Type(s)	25% Reduction	
Site LTAR	0.275	0.275

OTHER FACTORS (.1946): ____

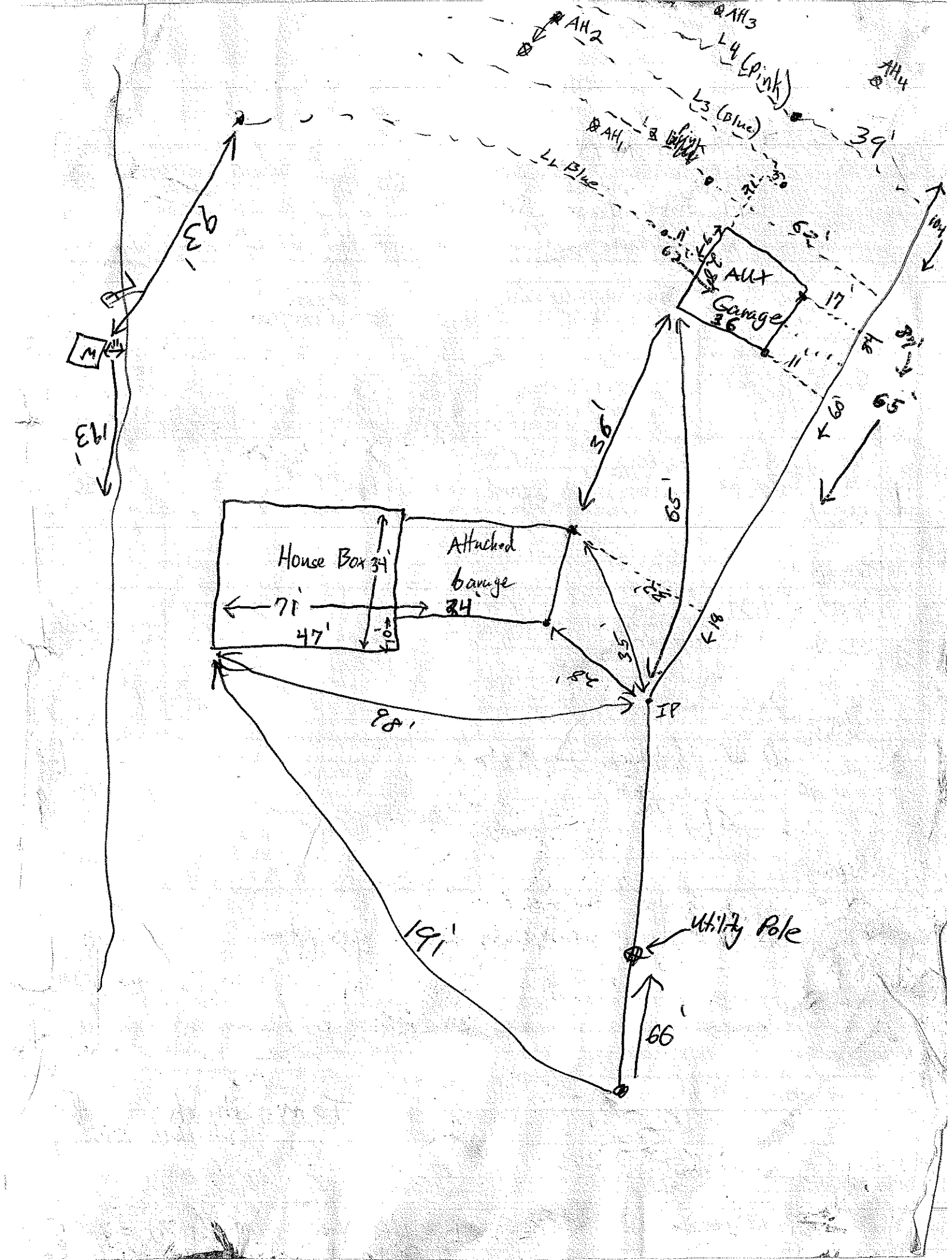
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: Tom Shuck

OTHER(S) PRESENT: Charlotte Reid

COMMENTS:

L1 = 88' (Blue) 6.3 L2 40' (Pink) L3 = 88' (Blue) 6.77 L4 = 99' (Pink) = 355 LF


AH2
AH3
AH4
AH1
L4 (Pink)
L3 (Blue)
L1 Blue
39'
93'
193'
House Box 34'
71'
47'
Attached Garage
24'
Aux Garage
36
17
11
62'
36'
65'
60'
35'
88'
IP
191'
Utility Pole
66'

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 47466055
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Charlotte Reid
ADDRESS: 319 James Farm Rd
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 21 N to James Farm Rd
APPLICATION DATE: 06/11/15
DATE EVALUATED: 07/20/15
PROPERTY SIZE: 1.89 ac
PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other W/A
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	L 10%	0-27	SBK C	Fi SE	PS	PS	N/A	N/A	PS .25
		27-48	WABK BC	Fi/f SE					
2	L 14%	0-30	SBK C	Fi SE	few yellow browns 6"-24"	PS	N/A	N/A	PS .25
		30-44	WABK BC	Fi/f SE					
3	L 8%	0-26	SBK C	Fi SE	PS	PS	N/A	N/A	PS .25
		26-48	WABK BC	Fi/f SE					
4	L 10%	0-32	SBK C	Fi SE	few yellow browns 12"-24"	PS	N/A	N/A	PS .25
		32-48	WABK BC	Fi/f SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	.25	.25

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: H Snow
OTHER(S) PRESENT:

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	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						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).

