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

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

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

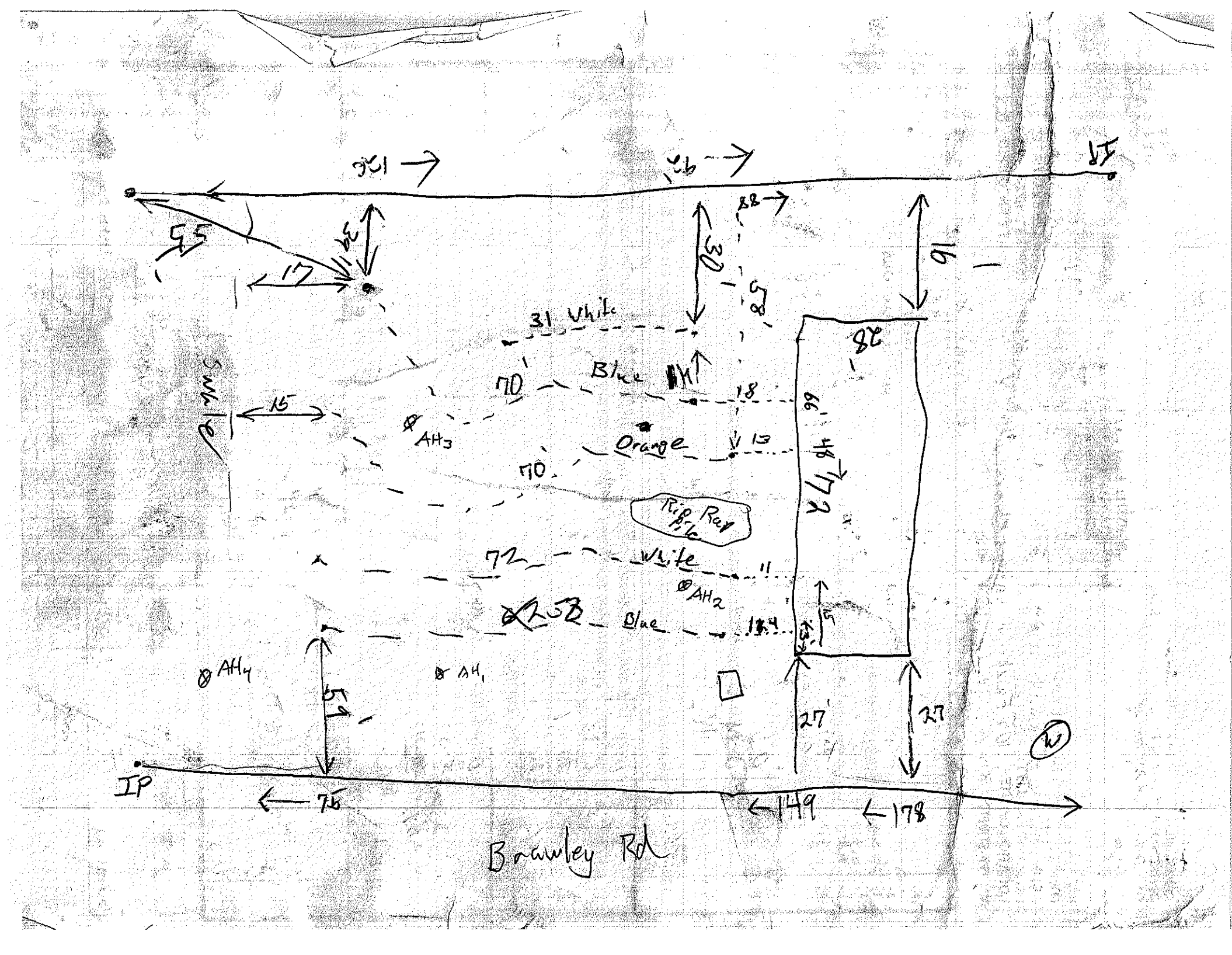
OWNER: Clayton Homes
APPLICATION DATE: 5-6-16
ADDRESS: 1124 Charlotte Highway Troutman, NC
DATE EVALUATED: 8/12 + 8/15 2016
PROPOSED FACILITY: 3BR House
PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: 0.60 acres
LOCATION OF SITE: 105 Fairhaven Lane Mooresville, NC Lot 1
PROPERTY RECORDED: Yes
WATER SUPPLY: [X] Private [ ] Public [ ] Well [ ] Spring [ ] Other ___
EVALUATION METHOD: [X] Auger Boring [ ] Pit [ ] Cut
TYPE OF WASTEWATER: [X] Sewage [ ] Industrial Process [ ] Mixed

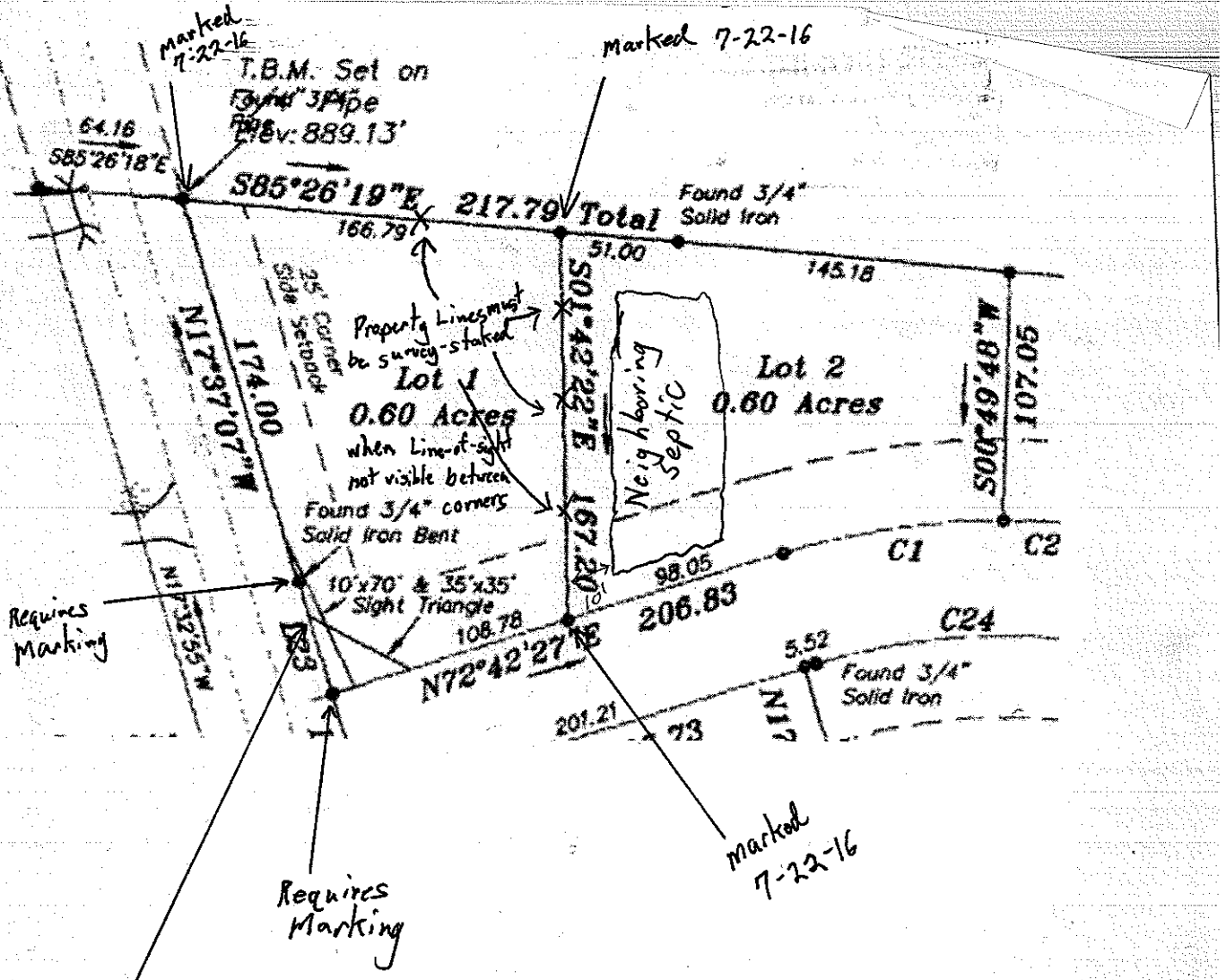
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LSS 8% Behind House	0-5	R. CL w/SBK	SL Friable, SS, SP, SerP	—	48	—	—	0.3 PS
		5-14	R. Clay w/SBK w/mica	SL Firm, SS, SP, SerP					
		14-48	R. CL w/SBK w/mica + Saprolite 38-48"	Friable, SS, SP, SerP					
2	LSS 6% Near HC	0-8	Br. Loam w/SBK	Friable, SS, SP, SerP	—	48	—	—	0.3 PS
		8-38 S	R. Clay w/SBK w/mica	SL Firm, SS, SP, SerP					
		38-48 S	R. Clay Loam w/SBK w/mica	Friable, SS, SP, SerP					
3	LSS 8% Far Back	0-5	Bn. Loam w/SBK	SL Friable, SS, SP, SerP	—	48	—	—	0.3 PS
		5-30	R. Clay w/SBK	SL Firm, SS, SP, SerP					
		30-48	R. Clay Loam w/SBK Saprolite (Schist) @ 44"-48"	SL Friable, SS, SP, SerP Friable					
4	LSS Far Rear Top	0-7	R. Clay Loam w/SBK	SL Firm, SS, SP, SerP	—	48	—	—	0.3 PS
		7-39	R. Clay w/SBK	SL Firm, SS, SP, SerP					
		39-49	R. Clay Loam w/SBK Trace Saprolite 45"-49"	SL Friable, SS, SP, SerP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300	200*
System Type(s)	25% reduction	50% reduction
Site LTAR	0.3	0.3

TOTAL REDUCTION FACTOR (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: —

COMMENTS: Remove Rip-Rap etc


55
17
31 White
70 Blue
18
15
AH3
Orange
13
110
Rip Rap
72 White
11
AH2
252 Blue
AH4
AH1
IP
76
149
178
Brawley Rd



* - The 102'x30' House box was flagged + appeared ok however, its unclear whether, it meets side PL setbacks.