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

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

White 92

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

OWNER: Caleb Hill
APPLICATION DATE 3-8-16
ADDRESS: 2004 Captains Way Denver, NC
DATE EVALUATED: 4-14-16
PROPOSED FACILITY: 63 4BR House PROPOSED DESIGN FLOW (.1949): 480 gpd/1 dag
PROPERTY SIZE: _____
LOCATION OF SITE: 238 Mallard Way Mooresville, NC
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	side slope 8% Repair Area	0-17	Sandy Loam weak SBK	very friable, SS, Sp, Sap	—	48"	—	—	0.3 PS
		17-38"	Clay weak SBK	slightly Firm, sticky, Sp, Sap					
		38-48	Clay Loam weak SBK	slightly friable, SS, Sp, Sap					
2	linear side slope 12% Primary	0-15"	Sandy Loam weak SBK	very friable, SS, Sp, Sap	—	48	—	—	0.3 PS
		15-35"	Clay weak SBK	slightly Firm, SS, Sp, Sap					
		35-48	Clay Loam weak SBK	slightly friable, SS, Sp, Sap					
		44-48 SAP inclusions (many)							
3	linear side slope 4% Repair	0-20"	Loam weak SBK	friable, SS, Sp, Sap	—	—	48	—	0.3 PS
		20-48	clay weak SBK	slightly Firm, SS, Sp, Sap					
		some trace SAP inclusions from 35-48"							
4	Linear side slope 7% Distal Primary	0-10"	Clay Loam weak SBK	slightly friable, SS, Sp, Sap	—	—	48	—	0.3 PS
		10-44"	Clay moderate SBK	slightly wet firm, SS, Sp, Sap					
		44-48	Clay Loam weak SBK	slightly friable, SS, Sp, Sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 L.F.	270 LF
System Type(s)	25% Conv	50% PPBPS
Site LTAR	0.3	0.3

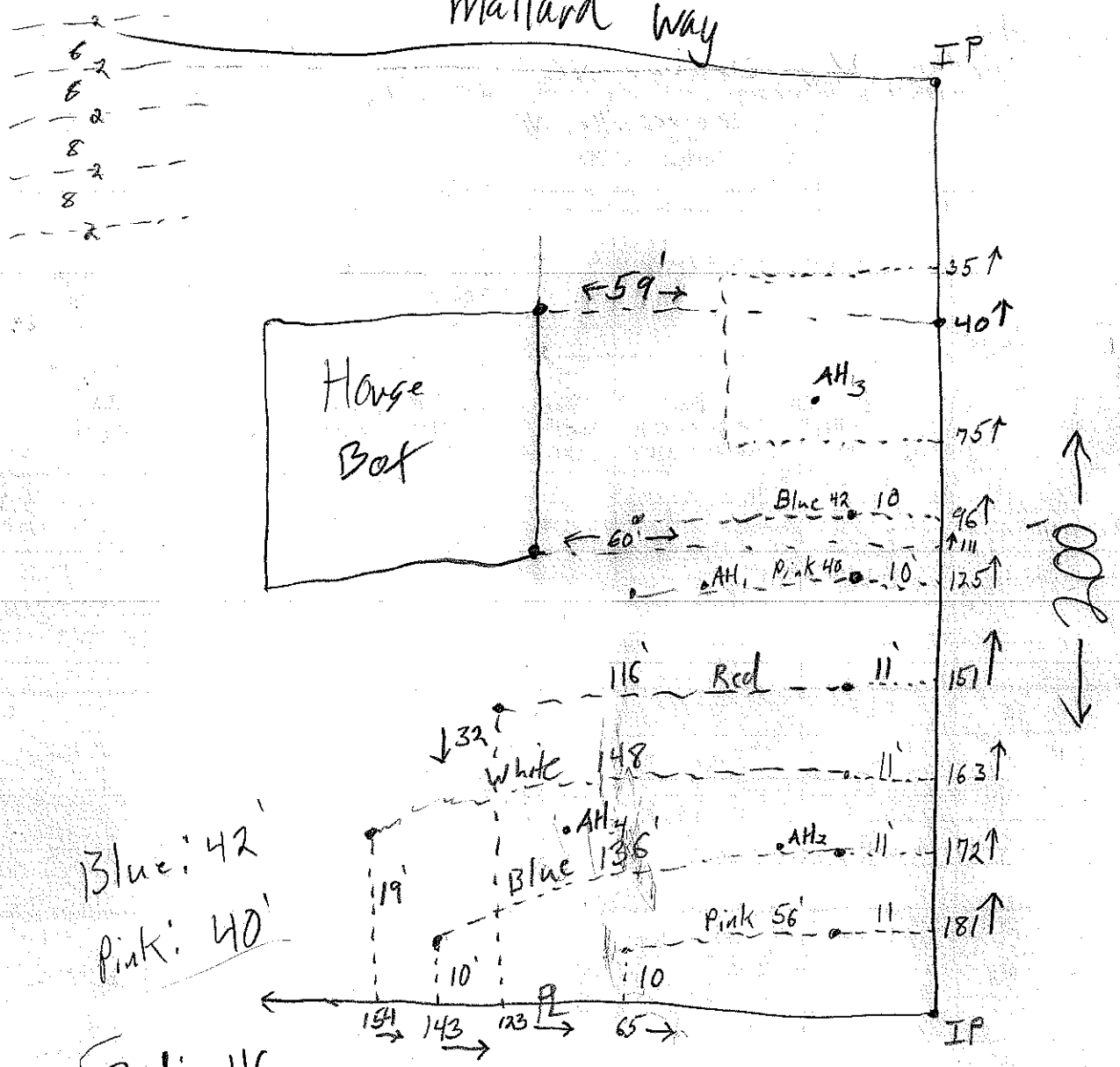
OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tim Shuck
OTHER(S) PRESENT: _____

COMMENTS: _____

1

150'

mallard way



Blue: 42'

Pink: 40'

Primary
- Red: 116
- White: 92 + 56'
- Blue: 91 + 45'
- Pink: 56'

400

268 required
- 56
212
- 82
130