545

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	RED	1.0	22
2	YELLOW	2.0	50
3	BLUE	2.9	68
4	ORANGE	4.0	86
5	PINK	5.2	102
6A	RED	6.9	57
6B	RED	6.9	~~37~~ 34'
7	YELLOW	8.6	~~101~~ 102'
8	BLUE	10.1	100 110'
9	ORANGE	11.5	102 100'
10	PINK	12.9	101 98'
11	RED	14.8	92 86'
12	YELLOW	16.9	22 22'

BCSC approves line length change
MDB 9-15-15

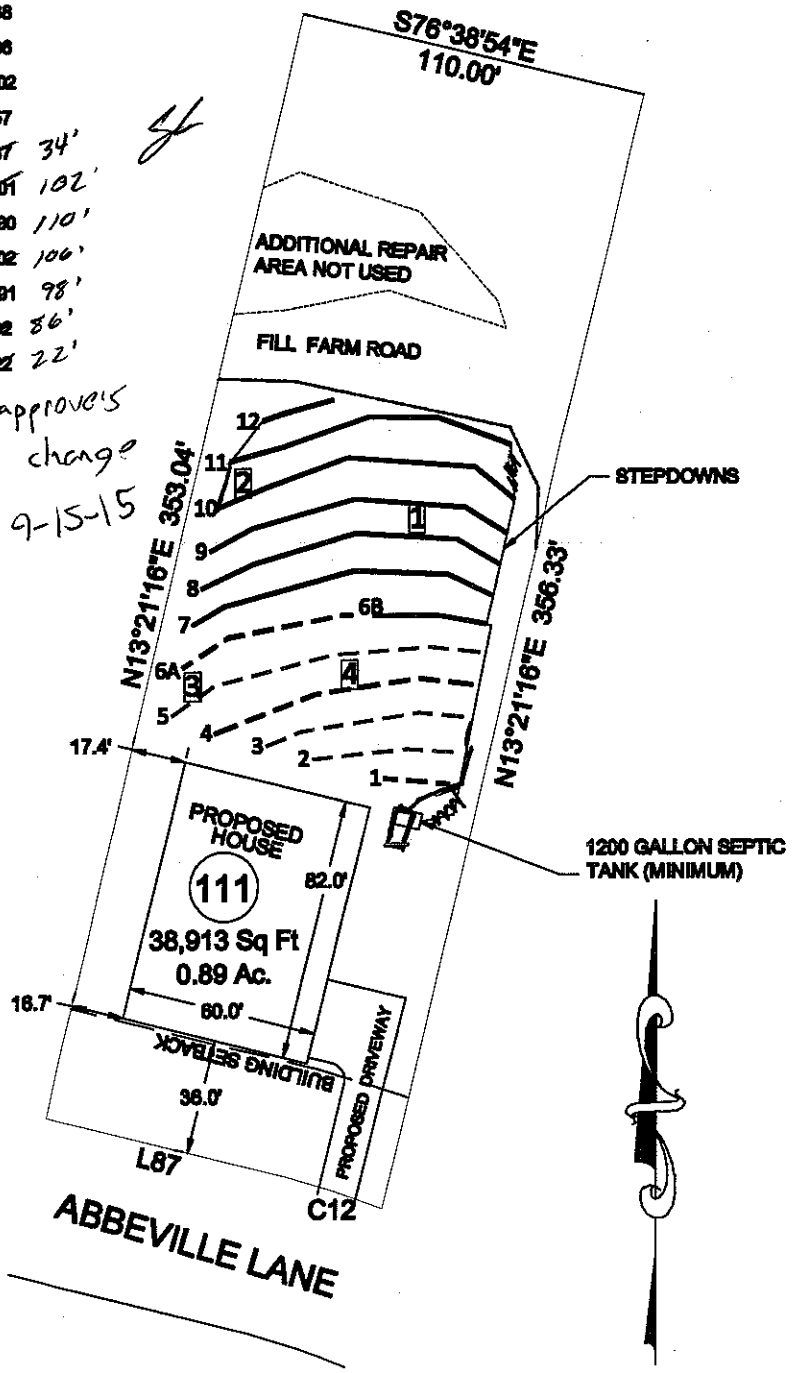
LOT 111 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 6B-12 TOTAL 555 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.275
25%REDUCTION
24" TRENCH DEPTH

5-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 1-6A TOTAL 385 LINEAR FEET
LTAR 0.275
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
PRICE ENVIRONMENTAL RESOURCE CONSULTING, PC



1 PIT OR AUGER BORING
PRIMARY LINES
REPAIR LINES
ADDITIONAL REPAIR LINES

APPROVED JAN 21 2015

0 30 60

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners
300 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-0578

Meritage Homes

LOT 111
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/15/15
DATE: 12/29/14 DRAWN BY:AH CHECKED BY: TMB

PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC

Date Evaluated: 11/14/2014 and 1/9/15

Location of site: Bells Crossing Lot 111

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other

Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut

Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		b PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	LS 15%	0-7	W SBK / SCL	FR SS SP	>49	49+	NA	NA	PS 0.3
		7-35	SBK / C	FI SS SP					
		35-49	W SBK / CL	FI SS SP					
2	LS 15%	0-6	W SBK / SCL	FR SS SP	>48	36	PS	NA	PS 0.275
		6-28	SBK / C	FI SS SP					
		28-36	W SBK / CL	FR SS SP					
		36-48	SLESS SAP/ SL	FR SS SP					
3	LS 15%	0-9	W SBK / SCL	FR SS SP	>50	50+	NA	NA	PS 0.275
		9-34	SBK / C	FI SS SP					
		34-50	W SBK / CL	FR SS SP					
4	LS 15%	0-5	W SBK / SCL	FR SS SP	>49	49+	NA	NA	PS 0.275
		5-34	SBK / C	FI SS SP					
		34-49	W SBK / CL	FR SS SP					

COMMENTS: Pit 2 <50% saprolite in the profile starting at 28 inches,

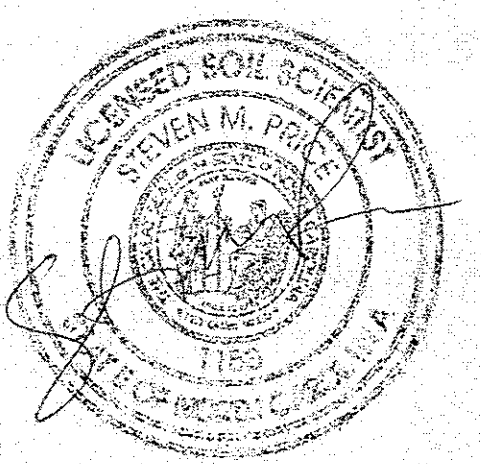
Evaluation By: Steven Price

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope		SICL-Silty Clay Loam	
T-Terrace		CL-Clay Loam	
FP-Flood Plain		SCL-Sandy Clay Loam	
	IV	SC-Sandy Clay	0.4 - 0.1
		SIC-Silty Clay	
		C-Clay	

Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic
W-Weak

APPROVED JAN 21 2015

Consistence Moist	Consistence Wet
VFR-Very Friable	NS-Non-Sticky
FR-Friable	SS-Slightly Sticky
FI-Firm	S-Sticky
VFI-Very Firm	VS-Very Sticky
EFI-Extremely Firm	NP-Non-Plastic
	SP-Slightly Plastic
	P-Plastic



DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4635939448
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Heritage Homes — APPLICATION DATE 1-2-15
ADDRESS: 11605 N Community Rd St 250 Charlotte NC — DATE EVALUATED: 1-6-15, 1-20-15
PROPOSED FACILITY: 5BRM — PROPOSED DESIGN FLOW (.1949): 600 gpd — PROPERTY SIZE: 0.89 ac
LOCATION OF SITE: 122 Abbeville Ct — PROPERTY RECORDED: yes
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☒ Other Community
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 2		0-6	B SCL Gr	Fr SS SP SEXP		38"	PS	—	PS .3
		6-25	RC MFSBK	Fr SS SP SEXP					
		25-38	R CL WFSBK	Fr SS SP SEXP					
		38-43	Var FSL Sap M	Fr SS SP SEXP	75% sap com R C veins				
B 1	LSS 12% Near Pit 4	0-4	B SL WFSBK	Fr SS SP SEXP		48"	—	—	PS .3
		4-29	RC WFSBK	Fr SS SP SEXP					
		29-48	R CL WFSBK	Fr SS SP SEXP	few sap				
B 2	LSS 12% Near Pit 1	0-28	R CL MP/WFSBK	Fr SS SP SEXP	few sap	45"	—	45"	PS .3 to 45"
		28-45	R CL WFSBK	Fr SS SP SEXP	com sap, few yellow mineral w/R				
		45	AR / Rock						

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

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: ALP
OTHER(S) PRESENT: NONE

COMMENTS: