LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	INSTALLED
1	BLUE	2.7	50	50
2	RED	3.2	91	92 90
3	WHITE	4.4	95	96 90
4	ORANGE	5.4	99	100 90
5	PINK	6.4	99	94
6	BLUE	8.0	100	100 94
7	RED	9.5	49	508'
8	ORANGE	9.8	48	48
9	YELLOW	10.2	84	83
10	BLUE	12.7	100	
11	PINK	14.1	101	102
12	ORANGE	16.2	100	
13	YELLOW	17.3	99	101
14	RED	19.5	93 NOT USED	
15	BLUE	21.8	86 NOT USED	
16	PINK	22.9	38 NOT USED	

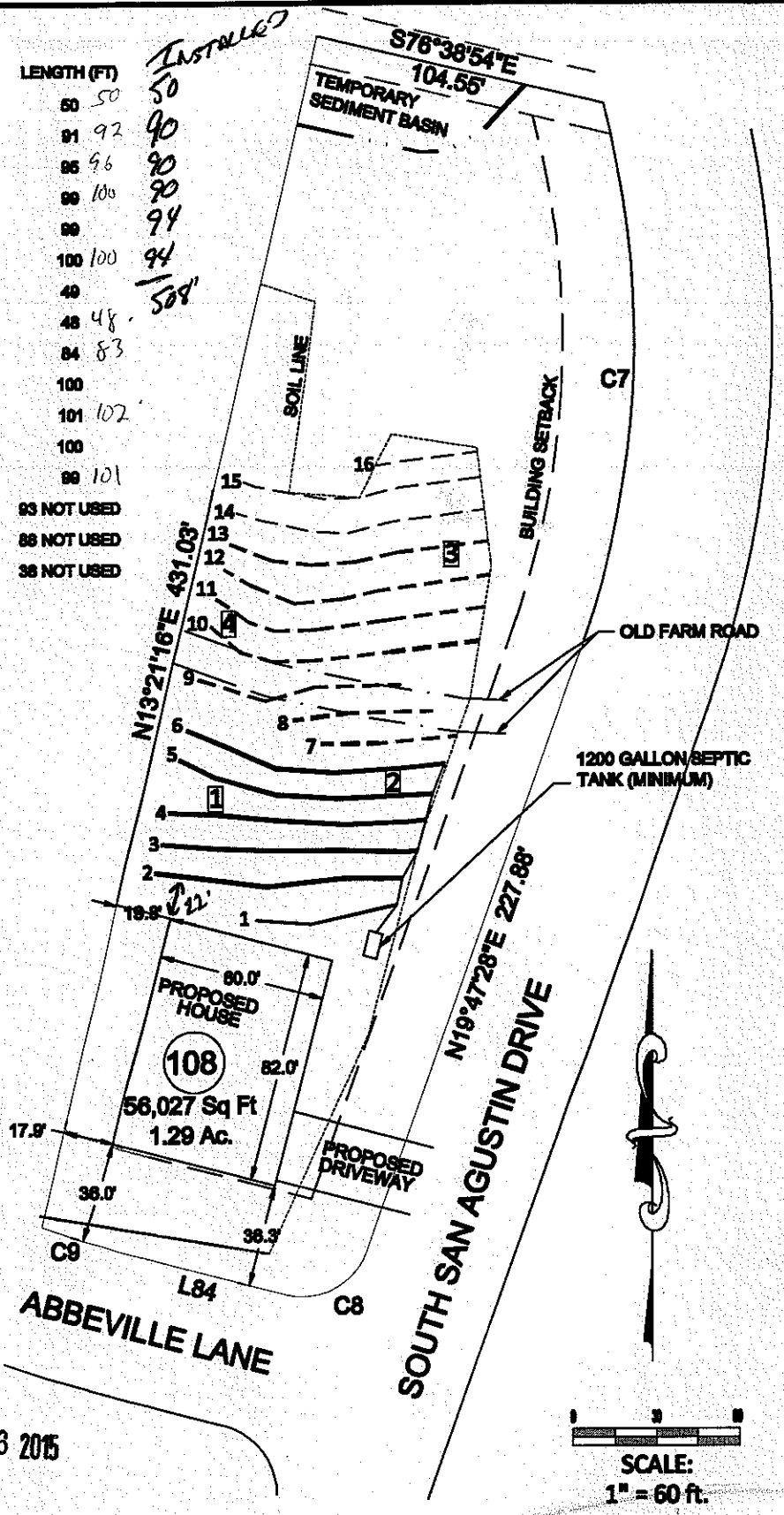
LOT 108 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 1-6 TOTAL 534 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25%REDUCTION
30" TRENCH DEPTH

5-BEDROOM ACCEPTED STATUS GRAVITY REPAIR
SERIAL DISTRIBUTION
LINES 7-13 TOTAL 581 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.275
25% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

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



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AZP

Bateman Civil Survey Company
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www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-0578

MeritageHomes

LOT 108
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/14/2015
DATE: 12/24/14 DRAWN BY MB CHECKED BY: TMB

Client: ~~Bateman Civil Survey Company, PC~~ Date Evaluated: ~~11/24/2014~~

Location of site: Bells Crossing Phase 3 Lot 108

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		PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Suppo Class	.1944 Restr Horiz.	
1	LS 10%	0-8	W SBK / SCL	FR SS SP	>60	60+	NA	NA	PS 0.3
		8-36	SBK / C	FI SS SP					
		36-60	ABK / CL	FI SS SP					
2	LS 15%	0-7	W SBK / SCL	FR SS SP	>50	50+	NA	NA	PS 0.3
		7-36	SBK / C	FI SS SP					
		36-50	SBK / CL	FR SS SP					
3	LS 20%	0-7	W SBK / SCL	FR SS SP	>50	50+	NA	NA	PS 0.275
		7-31	SBK / C	FI SS SP					
		31-50	ABK / C	FI SS SP					
4	LS 20%	0-6	W SBK / SCL	FR SS SP	>48	48+	NA	NA	PS 0.3
		6-38	SBK / C	FI SS SP					
		38-48	W SBK / CL	FI SS SP					

P3 0-6 B CL WFSBK FR SS SP SExP .3
6-34 Bc MFABK/SBK FR SS SP SExP
34-54 R CL WFSBK FR SS SP SExP

COMMENTS:

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

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Consistence Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic



DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4639-93-9448
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Meritage Homes
ADDRESS: 11605 N Community Rd St 250 Charlotte NC
PROPOSED FACILITY: 5 BRM
LOCATION OF SITE: 104 Abbeville Ct. Lot 108 Phase 3
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☒ Other Community
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE 1-2-14
DATE EVALUATED: 1-6-14
PROPERTY SIZE: 1.29 ac
PROPERTY RECORDED: Yes
PROPOSED DESIGN FLOW (.1949): 600 gpd
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
B 1		0-11	B SCL rcl WFSBk	Fr SS SP SExP	few sap	48"	—	—	PS .3
		11-30	RC WFSBk	Fr SS SP SExP					
		30-48	R CL WFSBk	Fr SS SP SExP					
P 3		0-6	B CL WFSBk	Fr SS SP SExP		54"	—	—	PS .3
		6-34	RC BFAB/SBk	Fr SS SP SExP					
		34-54	R CL WFSBk	Fr SS SP SExP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Grav. 4y 25%	Grav. 4y 25%
Site LTAR	0.3	0.3

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

COMMENTS: