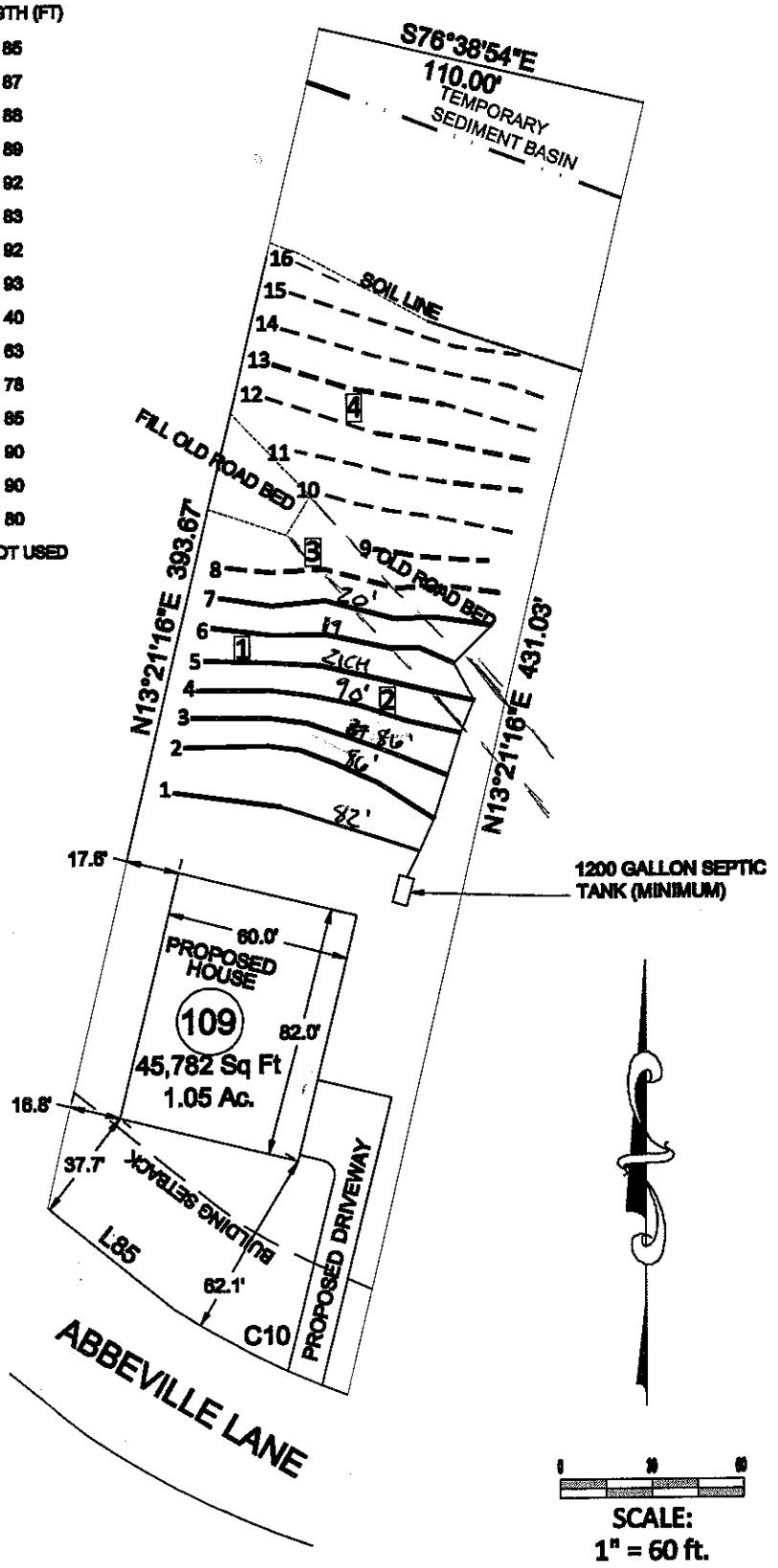
LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	PINK	0.8	85
2	RED	1.9	87
3	ORANGE	3.1	88
4	PINK	4.8	89
5	WHITE	6.6	92
6	BLUE	7.4	83
7	RED	9.1	92
8	ORANGE	9.8	93
9	BLUE	10.5	40
10	PINK	11.0	63
11	RED	12.9	78
12	BLUE	14.7	85
13	ORANGE	17.2	90
14	YELLOW	19.6	90
15	PINK	21.9	80
16	RED	23.7	15 NOT USED



LOT 109 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 1-7 TOTAL 616 LINEAR FEET USE 546 FT
EZFLOW OR CHAMBER
LTAR 0.275
25%REDUCTION
30" TRENCH DEPTH

5-BEDROOM ACCEPTED STATUS GRAVITY REPAIR
SERIAL DISTRIBUTION
LINES 8-16 TOTAL 619 LINEAR FEET USE 546 FT
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

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

APPROVED JAN 16 2015
ALP

Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 N. Main Street, Holly Springs, NC 27540 Ph: 919.877.1000 Fax: 919.877.1001
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NCBELS Firm No. C-0578

MeritageHomes

LOT 109
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/14/2015
DATE: 12/24/14 DRAWN BY:AH CHECKED BY: TMB

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

Location of site: Bells Crossing Phase 3 Lot 109

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 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS 15%	0-6	W SBK / SCL	FR SS SP	>50 > Yellow Stones	50+	NA	NA	PS 0.275
		6-30	SBK / C	FI SS SP					
		30-50	W SBK / CL	FR SS SP					
2	LS 15%	0-7	W SBK / SCL	FR SS SP	>50	50+	NA	NA	PS 0.3
		7-30	SBK / C	FR SS SP					
		30-50	W SBK / SCL	FR SS SP					
3	LS 15%	0-11	W SBK / SCL	FI SS SP	7-14" >54 Compacted Rd	54+	NA	NA	PS 0.275
		11-32	SBK / C	FI SS SP					
		32-54	W SBK / CL	FR SS SP					
4	LS 20%	0-8	W SBK / SCL	FR SS SP	>40	40+	NA	NA	PS 0.3
		8-34	SBK / C	FI SS SP					
		34-40	W SBK / CL	FR SS SP					

COMMENTS: Pit 3 located in old road bed compacted to 11". Both pits 1 and 3 have weathered rock in the pits

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

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
	VP-Very Plastic

APPROVED JAN 16 2015

LICENSED SOIL SCIENTIST STATE OF NORTH CAROLINA

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: Heritage Homes
ADDRESS: 11605 N Community Rd St 250 Charlotte NC
PROPOSED FACILITY: 5 BRM
PROPOSED DESIGN FLOW (.1949): 600 gpd
LOCATION OF SITE: 110 Abbeville Ct
APPLICATION DATE 1-2-15
DATE EVALUATED: 1-6-15 + 1-15-15
PROPERTY SIZE: 1.05 ac
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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	LSS 30-35%	0-6	B SCL Gr	Fr SS SP SExP	com Y WR	48"	-	-	PS .275
		6-38	R C WFSBk	Fr SS SP SExP					
		38-48	R CL WFSBk	Fr SS SP SExP					
P 2	LSS 15%	0-3	B CL/SCL Gr	Fr SS SP SExP	few sap	50"	-	-	PS .3
		3-11	BR C WFSBk	Fr SS SP SExP					
		11-25	R C MMSBk	Fr SS SP SExP					
		25-50	R CL WFSBk	Fr SS SP SExP					
P 3	LSS 20% old roadbed	0-7	BR C Compacted		few relic mottles	40"	-	-	PS .275
		7-21	R C MMABk	Fr SS SP SExP					
		21-40	R C WFABk/Bk	Fr SS SP SExP					
		>40	Water						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Gravity 25%	Gravity 25%
Site LTAR	0.275	0.275

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

COMMENTS:

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	PINK	0.8	72
2	RED	1.9	79
3	ORANGE	3.1	87
4	PINK	4.8	89
5	WHITE	6.6	91
6	BLUE	7.4	81
7	RED	9.1	92
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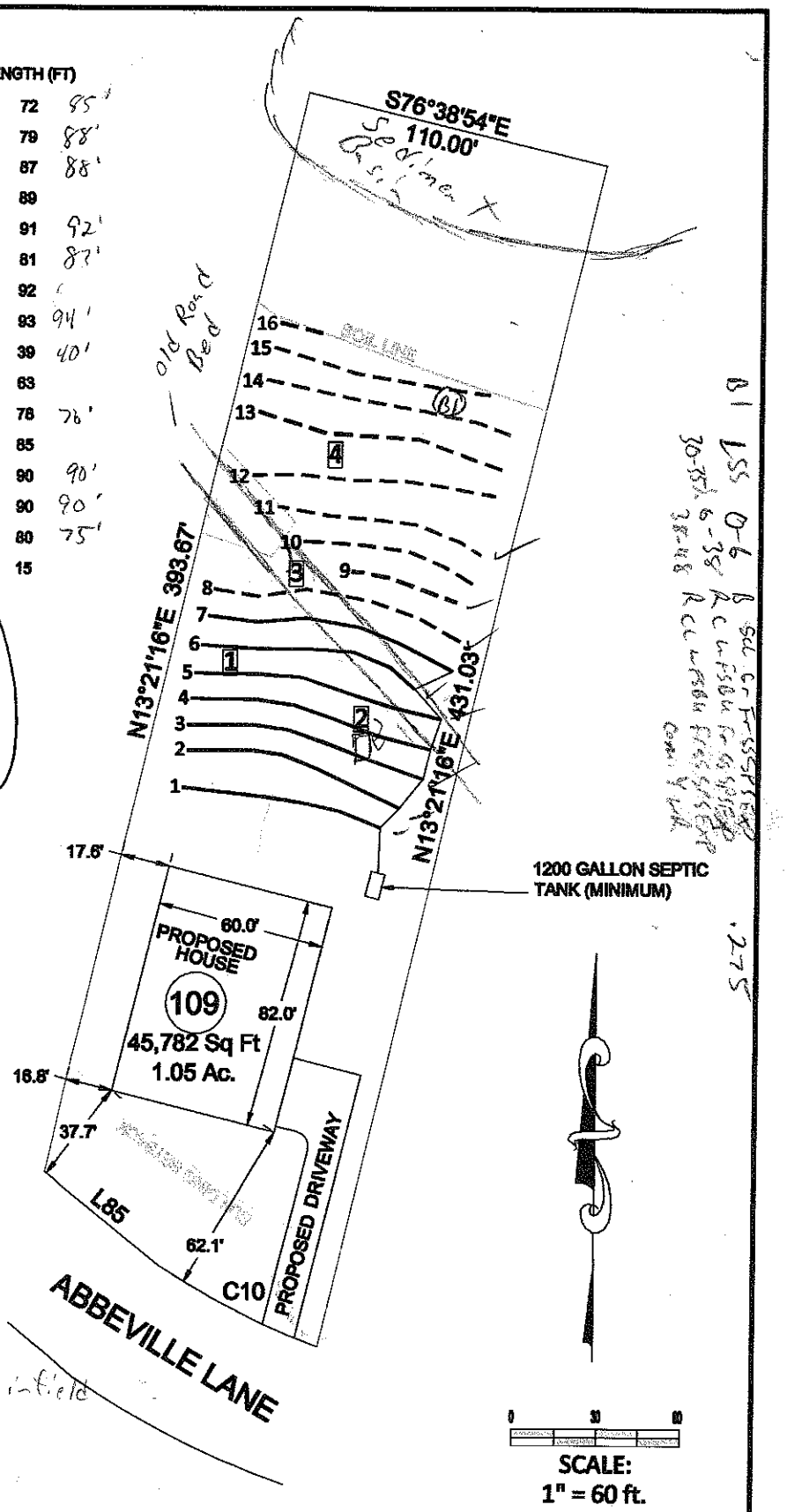
LOT 109 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 1-7 TOTAL 591 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.275
25%REDUCTION
30" TRENCH DEPTH

5-BEDROOM ACCEPTED STATUS GRAVITY REPAIR
SERIAL DISTRIBUTION
LINES 8-16 TOTAL 633 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.275
25% REDUCTION

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

- Site Plan show 20' between Lines 11+12, infield is 9.5'
- Old Road Bed, Sediment basin

Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
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LOT 109
BELLS CROSSING SUBDIVISION
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DATE: 12/24/14 DRAWN BY AH CHECKED BY: TMB