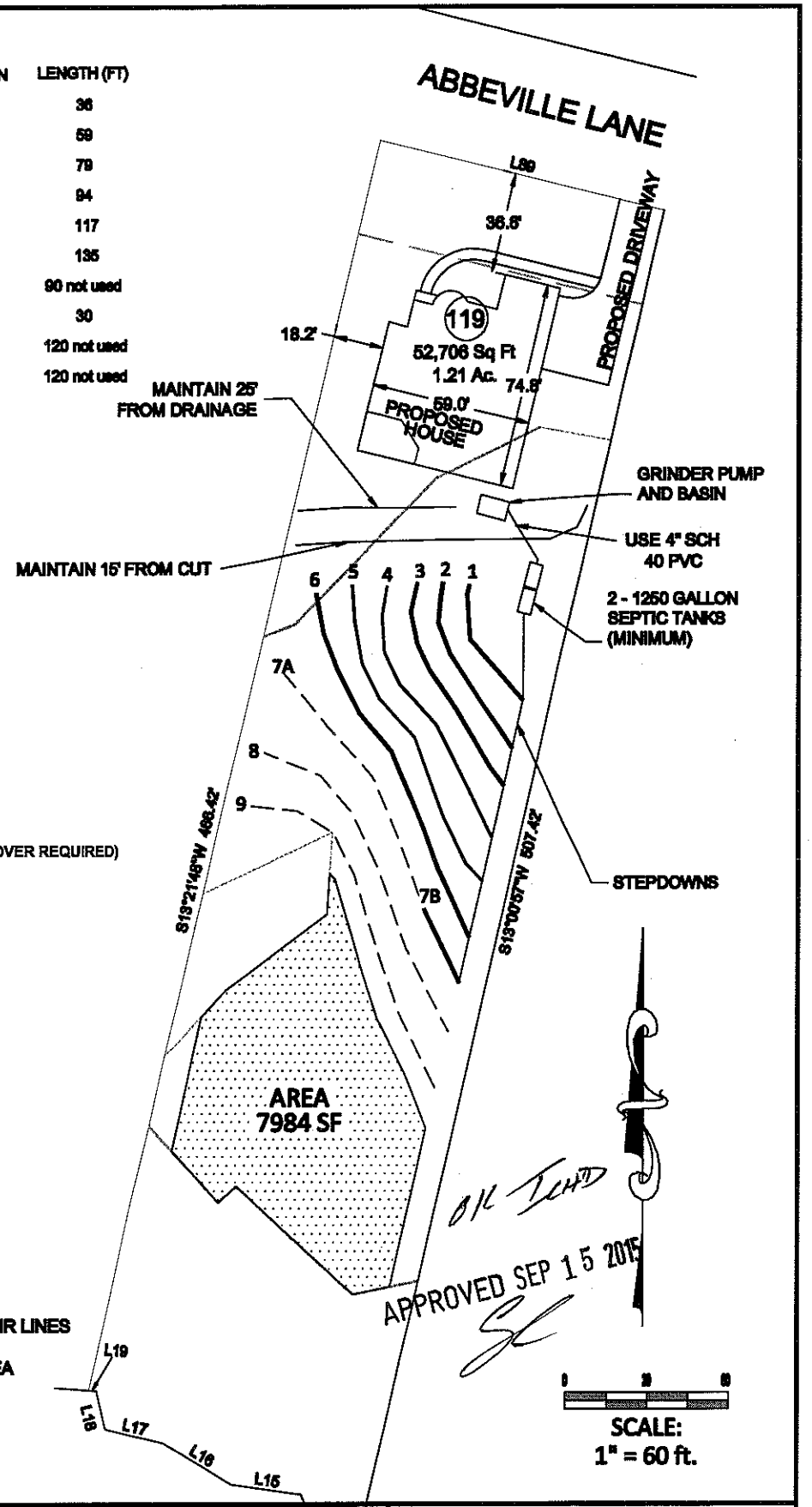
LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	BLUE	1.8	36
2	PINK	4.0	59
3	ORANGE	5.8	79
4	YELLOW	7.6	94
5	GREEN	9.4	117
6	BLUE	11.5	135
7A	YELLOW	14.1	90 not used
7B	YELLOW	14.1	30
8	RED	16.4	120 not used
9	BLUE	18.6	120 not used



LOT 119 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 1-6 and 7B TOTAL 550 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.275
25%REDUCTION
15" TRENCH DEPTH (THREE INCHES OF APPROVED COVER REQUIRED)

5-BEDROOM DRIP IRRIGATION REPAIR
LTAR 0.10
AREA REQUIRED 6000 SF
6" TRENCH DEPTH

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

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

⊕ AUGER BORING
1 PIT
PRIMARY LINES
REPAIR LINES
ADDITIONAL (alternative) REPAIR LINES
DRIP IRRIGATION REPAIR AREA

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 119
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 09/09/15
DATE: 01/06/15 DRAWN BY MB CHECKED BY: TMB

PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC

Date Evaluated: 11/5/2014 and Jan 2015

Location of site: Bells Crossing Lot 119

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

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

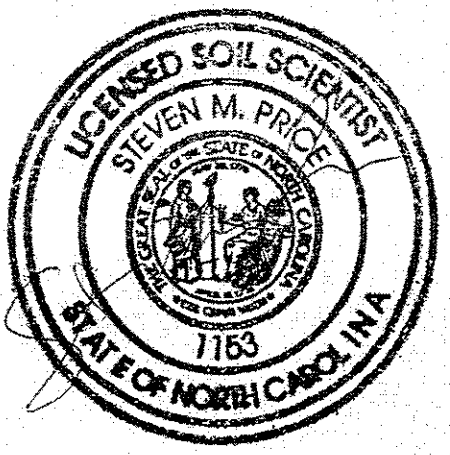
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

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%	0-4	W SBK / SCL	FR SS SP	>38	38+	NA	NA	PS 0.25
		4-18	ABK / C	FI SS SP					
		18-38	W ABK / SCL	FI SS SP					
2	LS 15%	0-12	W SBK / SCL	FR SS SP	>47	47+	NA	NA	PS 0.3
		12-30	ABK / C	FI SS SP					
		30-47	W SBK / CL	FI SS SP					
3	LS 20%	0-6	W SBK / SCL	FR SS SP	>36 relic mottles starting at 24"	36	NA	24	PS DRIP anaerobic 0.1
		6-24	ABK / C	FI SS SP					
		24-36	PLATY / CL	FI SS SP					
4	NS 20%	0-6	W SBK / SCL	FR SS SP	>48 relic mottles starting at 24"	48+	NA	NA	PS 0.275
		6-24	ABK / C	FI SS SP					
		24-48+	W SBK / CL	FI SS SP					
5 boring 1	LS 15%	0-18	ABK / C	FR SS SP	>42 SAP WITH WEATHERED ROCK @ 35"	35	UN	35"	PS 0.275
		18-30	ABK / CL	FR SS SP					
		30-35	W SBK / SCL	FR SS SP					
		35-42	SLESS SAP / SL	ROCK CONTROLLED					
6 boring 2	LS 15%	0-24	ABK / C	FR SS SP	>42 SAP WITH WEATHERED ROCK @ 35"	36	UN	36"	PS 0.275
		24-36	W SBK / CL	FR SS SP					
		36-42	SLESS SAP / L	ROCK CONTROLLED					

COMMENTS: Pit 1 weathered rock (< 50%) and saprolite inclusions @ 18". Pit 2 weathered rock and saprolite inclusions @ 30".
Pit 3 weathered rock starting at 24". Pit 4 weathered rock and saprolite inclusions @ 24".
Boring 1 weathered rock and mica inclusions @ 18", saprolite inclusions @ 30", weatered rock and saprolite mixture @ 35"
Boring 2 weathered rock, saprolite and mica inclusions @ 24", weathered rock and saprolite mixture @ 36"

Evaluation By: Steven Price

APPROVED FEB 17 2015



PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC Date Evaluated: 11/5/2014 and Jan 2015

Location of site: Bells Crossing Lot 119

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				
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS 15%	0-4	W SBK / SCL	FR SS SP	>38	38+	NA	NA	PS 0.25
		4-18	ABK / C	FI SS SP					
		18-38	W ABK / SCL	FI SS SP					
2	LS 15%	0-12	W SBK / SCL	FR SS SP	>47	47+	NA	NA	PS 0.3
		12-30	ABK / C	FI SS SP					
		30-47	W SBK / CL	FI SS SP					
3	LS 20%	0-6	W SBK / SCL	FR SS SP	>36	36	NA	24	PS DRIP anaerobic 0.1
		6-24	ABK / C	FI SS SP					
		24-36	PLATY / CL	FI SS SP	relic mottles starting at 24"				
4	NS 20%	0-6	W SBK / SCL	FR SS SP	>48	48+	NA	NA	PS 0.275
		6-24	ABK / C	FI SS SP					
		24-48+	W SBK / CL	FI SS SP	relic mottles starting at 24"				
boring 1	LS 15%	0-18	ABK / C	FR SS SP	>42	35	UN	35"	PS 0.275
		18-30	ABK / CL	FR SS SP					
		30-35	W SBK / SCL	FR SS SP					
		35-42	SLESS SAP / SL	ROCK CONTROLLED	SAP WITH WEATHERED ROCK @ 35"				
boring 2	LS 15%	0-24	ABK / C	FR SS SP	>42	36	UN	36"	PS 0.275
		24-36	W SBK / CL	FR SS SP					
		36-42	SLESS SAP / L	ROCK CONTROLLED	SAP WITH WEATHERED ROCK @ 36"				
Pit 5	LS 15%	0-26	ABK / C	FR SS SP	>48	36	UN	36"	PS 0.275
		26-36	W SBK / CL	FR SS SP					
		36-48	SLESS SAP / L	ROCK CONTROLLED	SAP WITH WEATHERED ROCK @ 36"				
Pit 6	LS 15%	0-36	ABK / C	FR SS SP	>48	36	UN	36"	PS 0.275
		36-48	SLESS SAP / L	ROCK CONTROLLED	SAP WITH WEATHERED ROCK @36"				
Pit 7	LS 15%	0-31	ABK / C	FR SS SP	>48	37	UN	37	PS 0.275
		31-37	W SBK / CL	FR SS SP					
		37-48	SLESS SAP / L	ROCK CONTROLLED	SAP WITH WEATHERED ROCK @ 37"				

COMMENTS: Pit 1 weathered rock (< 50%) and saprolite inclusions @ 18". Pit 2 weathered rock and saprolite inclusions @ 30".
Pit 3 weathered rock starting at 24". Pit 4 weathered rock and saprolite inclusions @ 24".
Boring 1 weathered rock and mica inclusions @ 18", saprolite inclusions @ 30", weatered rock and saprolite mixture @ 35".
Boring 2 weathered rock, saprolite and mica inclusions @ 24", weathered rock and saprolite mixture @ 36"
Pit 5 saprolite and mica inclusions @26", other 2 sides deeper profile. Pit 6 inclusions of saprolite @ 30". Pit 7 inclusions of saprolite @ 31".

Evaluation By: Steven Price

APPROVED FEB 17 2015

