LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	RED	1.0	42 NOT USED
2	YELLOW	1.8	72 NOT USED
3	PINK	2.7	88
4	BLUE	4.0	87
5	ORANGE	5.9	88
6	RED	7.5	88
7	PINK	10.4	92
8	BLUE	13.2	92
9	YELLOW	14.9	35 NOT USED

I&HD OK

APPROVED FEB 02 2015

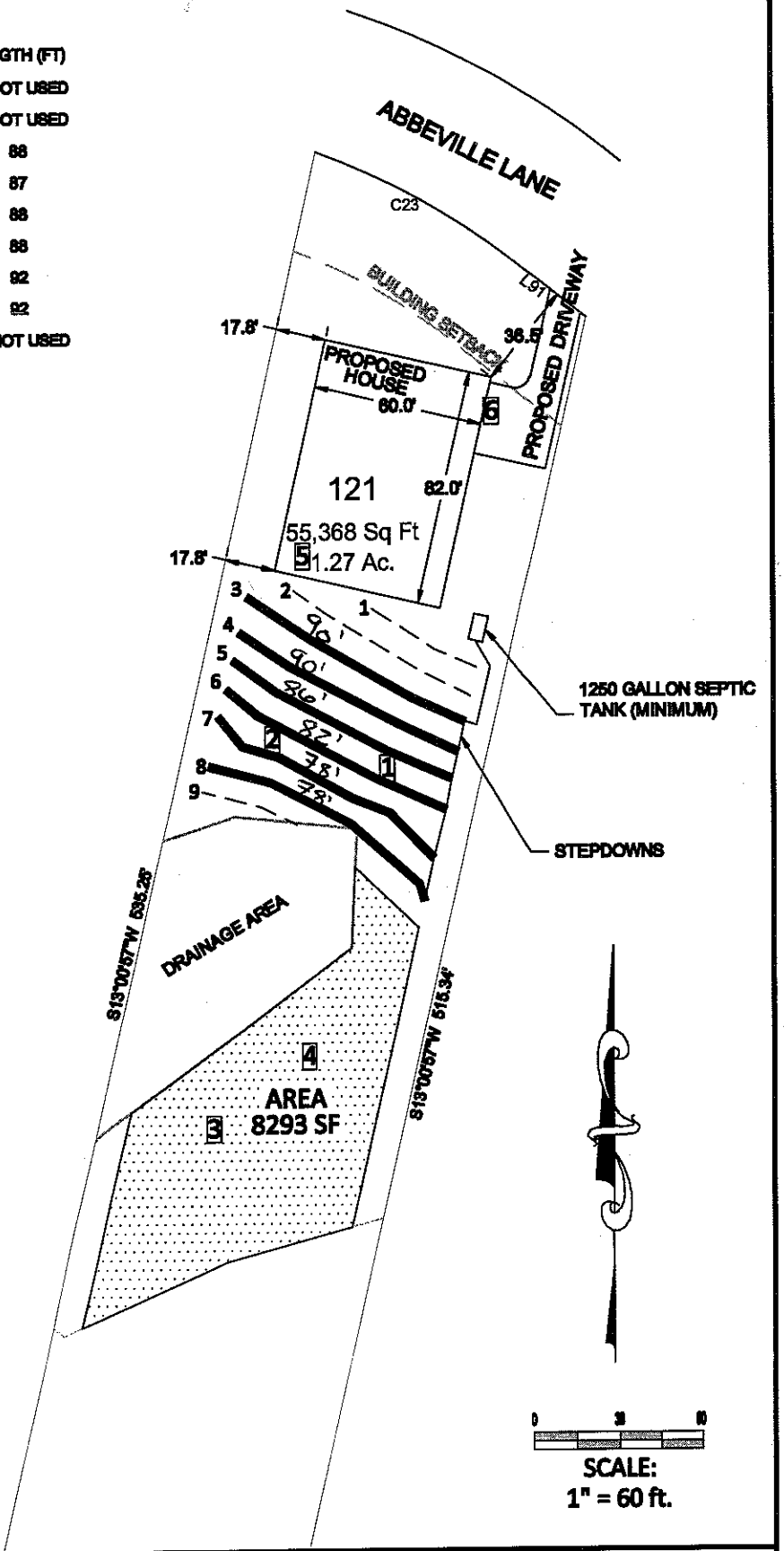
LOT 121 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION
LINES 1-7 TOTAL 535 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25%REDUCTION
26" TRENCH DEPTH

5-BEDROOM DRIP IRRIGATION REPAIR
LTAR 0.1
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



1 PIT OR AUGER BORING

PRIMARY LINES

REPAIR LINES

ADDITIONAL REPAIR LINES

DRIP IRRIGATION REPAIR AREA

Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 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-0278

MeritageHomes

LOT 121

BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/27/15
DATE: 01/06/15 DRAWN BY MB CHECKED BY: TMB

REVISION

PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC Date Evaluated: 11/4 & 11/24/2014 and Jan 2015

Location of site: Bells Crossing Lot 121

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 Structure/ Texture	SOIL MORPHOLOGY 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 20%	0-8	W SBK / SCL	FR SS SP	>51	51+	NA	NA	PS 0.3
		8-40	ABK / C	FR SS SP					
		40-51	W SBK / CL	FR SS SP					
2	LS 20%	0-5	W SBK / SCL	FR SS SP	>46	46+	NA	NA	PS 0.3
		5-34	ABK / C	FI SS SP					
		34-46	W SBK / CL	FI SS SP					
3	NS 15%	0-8	W SBK / SCL	FR SS SP	>48	35	PS	NA	PS 0.25
		8-19	SBK / C	FI SS SP					
		19-35	W SBK / SCL	FI SS SP	RELIC MOTTLES				
		35-48	SLESS SAP/ L	FR SS SP					
4	NS 20%	0-5	W SBK / SCL	FR SS SP	>48	24	NA	24	PS DRIP .125
		5-24	SBK / C	FI SS SP					
		24-48	W SBK / CL	FI SS SP	Weathered Rock ~ 50% @ 24"				
5	R 10%	0-3	W SBK / SCL	FR SS SP	>53	53+	NA	NA	PS 0.275
		3-32	ABK / C	FI SS SP					
		32-53	W ABK / CL	FI SS SP	RELIC MOTTLES				
6	R 5%	0-7	SBK / C	FI SS SP	>50	50+	NA	NA	PS 0.275
		7-30	ABK / C	FI SS SP					
		30-50	W ABK / C	FI SS SP	RELIC MOTTLES				

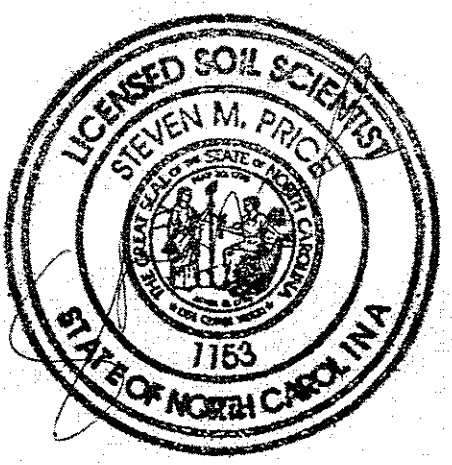
COMMENTS: Pit 2 weathered rock inclusions @ 24" <15%. Pit 3 weathered rock and saprolite inclusions @ 19". Pit 5 saprolite inclusions @ 32". Pit 6 rock in profile and compacted in upper 7".

Evaluation By: Steven Price

IPHD OK

APPROVED FEB 02 2015

SL



Shane Cashion

From: Matt Burdette <matt@batemancivilsurvey.com>
Sent: Thursday, January 29, 2015 9:18 AM
To: Shane Cashion
Subject: Bells Crossing Phase 3 Lot 121
Attachments: Bells Crossing Lot 121 Soil Profiles Revised 012715.pdf; Lot 121 Bells Crossing revised 012715.pdf

Shane –

Attached are revised soil profiles and a revised site plan. Below are your comments and our responses.

Comments:
Lot 3/121

1. *We will need an updated site plan/design sheet with correct pit locations and matching descriptions for this lot. I seen Steven Price on site and he informed me that revisions were supposed to be being sent.*
2. *P 92' was raised 1'2" higher in the middle of the line than ends of flagged line. With a 30" trench bottom spec'ed this is an issue.*
3. *It would be a good idea to note old/existing vs. new pit locations on the design sheet. Also it would be a good idea to note why the drip repair area is not cut off from part of the lot (ie drainage). These are things that should be noted on design.*

Responses:

1. The attached site plan has revised pit locations. We have two additional pits located in the house box area. We are not using the area where pit 5 and 6 are located.
2. We added a flag and adjusted the line slightly to accommodate a small raised area between our flags. We also changed our proposed trench bottom to 26" to provide a little flexibility during the installation.
3. We labeled the small drainage area.

Matt Burdette
Environmental Specialist
Bateman Civil Survey Company
200 N. Main Street
Holly Springs, North Carolina 27540
Office 919-577-1080
Cell 919-422-2827

OK
ICHD
APPROVED FEB 02 2015