RECEIVED DEC 2 9 2015

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	YELLOW	0.7	102
2	RED	2.4	102
3	BLUE	4.2	102
4	YELLOW	5.7	102
5	RED	7.7	102
6	WHITE	10.1	102

APPROVED JAN 04 2016

ALP

LOT 136 BELLS CROSSING SUBDIVISION

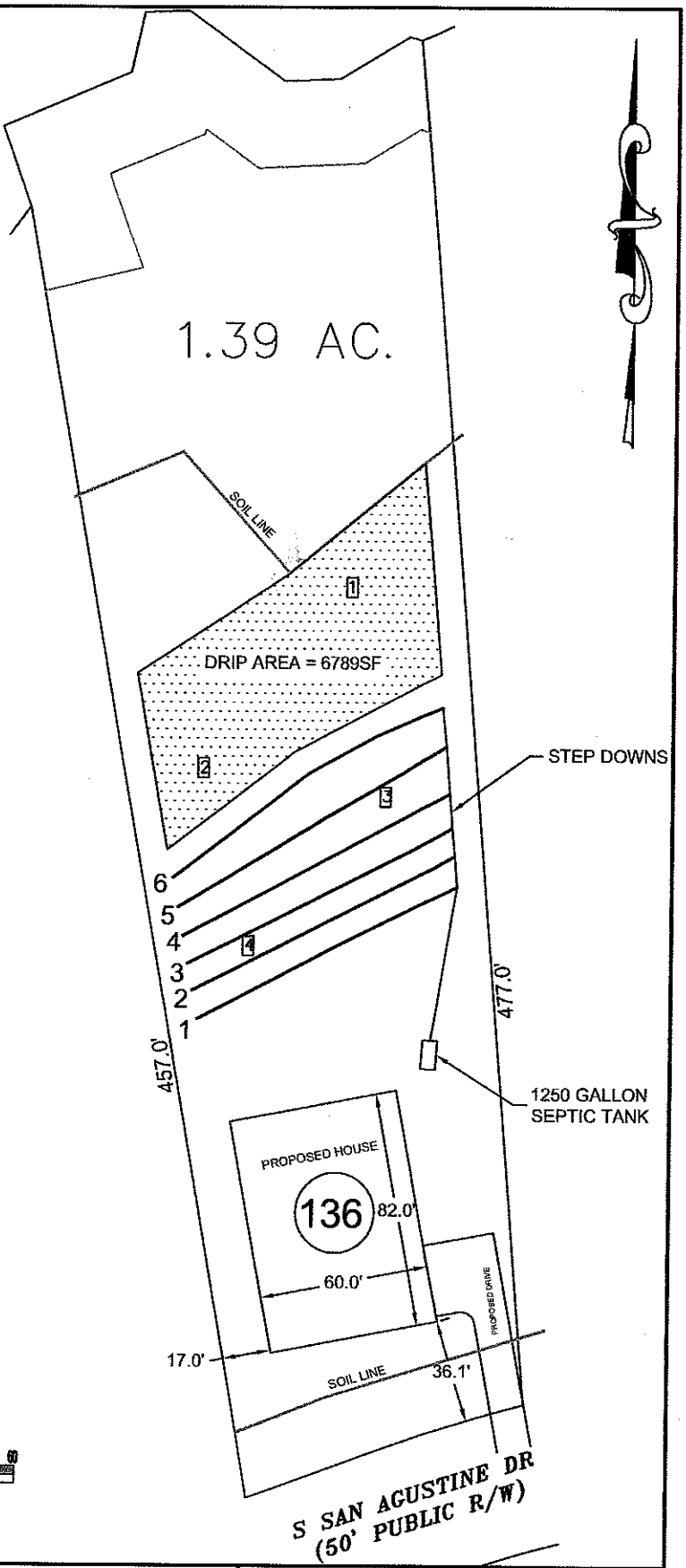
5-BEDROOM ACCEPTED GRAVITY SYSTEM
LINES 1-6 TOTAL 612 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.25
25% REDUCTION
15" TRENCH DEPTH MAX 3" OF COVER (DOWN HILL SIDE OF TRENCH)

Pre-treated MDB

5-BEDROOM DRIP IRRIGATION REPAIR
AREA REQUIRED 6000 SF
AREA PROPOSED 6789 SF
LTAR 0.1
6" TRENCH DEPTH

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

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



PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES (NOT USED)

PIT OR AUGER BORING A

SCALE:
1" = 60 ft.

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-2378

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LOT 136
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 12/28/2015
DATE: 12/23/15 DRAWN BY: MDB CHECKED BY:TMB

PERC SOIL/SITE EVALUATION DESCRIPTIONS

Client: Bateman Civil Survey Company, PC — Date Evaluated: Dec-15

Location of site: Bells Crossing Phase 4 Lot 136

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
pit 1	LS 20%	0-7	W SBK / SCL	FR SS SP	NA	24	UN	NA	PS DRIP 0.1
		7-24	ABK / C	FR SS SP					
		24-48	SLESS SAP SL	FI SS SP	w/ weathered rock relic rock mottles				
pit 2	LS 20%	0-6	W SBK / SCL	FR SS SP	NA	22	UN	NA	PS DRIP 0.1
		6-22	ABK / C	FR SS SP					
		22-48	SLESS SAP L	FR SS SP	w/ weathered rock				
pit 3	LS 15%	0-9	W SBK / SCL	FR SS SP	NA	48	NA	NA	PS 0.3
		9-34	ABK / C	FR SS SP					
		34-48	W ABK / CL	FR SS SP	few 10YR 7/4 and relic rock colors				
pit 4	LS 15%	0-7	W SBK / SCL	FR SS SP	NA	43	PS	NA	PS 0.3
		7-24	ABK / C	FR SS SP					
		24-43	W SBK / CL	FR SS SP	w/ sap and mica				
		43-50	SLESS SAP L	FR SS SP		36, 50			

COMMENTS: Saprolite in pit 2 rock controlled structure with vertical banding

P3 0-9 B SCL Gr FR SS SP SE Exp
LSS 9-17 R CL w FSBL FR SS SP SE Exp
17-18½ 17-34 R C MABL FI SP SE Exp fewSap
34-48 R C SABL FI SP SE Exp few Saprock >2" Concrete

Evaluation By: Steven Price

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
S-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			
T-Terrace		SICL-Silty Clay Loam	
FP-Flood Plain		CL-Clay Loam	
		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

P4 0-5 B SCL/CL FSBL FR SS SP SE .3
5-20 R C MABL FI SP SE Exp few Sap
LSS 20-30 R CL MFSBL FR SS SP SE Exp few Sap
20% 30-41 WR CL a FSBL FR SS SP SE Exp few Sap
41-52 Var FSBL Sap M FR SS SP SE Exp

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P2 0-5 B SCL/CL FSBL FI SS SP
LSS 5-21 R C MFSBL FR SP SE Exp
20% 21-32 WR, Rock

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

P1 0-7 B CL w FSBL FR SS SP .3 6 27"
LSS 17-18 R C MFABL FR SP SE Exp few Sap
18½ 18-27 R CL w FSBL FR SS SP SE Exp few Sap
BS 27-52 Rock/WR

P1 0-11 B CL a FSBL FR SS SP SE .3
11-18 R C MABL FR SP SE Exp
18-25 R CL a FSBL MABL FR SS SP SE Exp
25-50 Var SR Sap M FR SS SP SE Exp

LICENSED SOIL SCIENTIST
STEVEN M. PRICE
7163
STATE OF NORTH CAROLINA