PERC SOIL/SITE EVALUATION DESCRIPTIONS

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

Location of site: Bells Crossing Phase 4 Lot 190

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 15%	0-4	W SBK / SCL	FR SS SP	>48	48	NA	NA	PS 0.3
		4-24	SBK / C	FR SS SP					
		24-35	W SBK / CL	FR SS SP					
		35-48	W SBK / L	FR SS SP					
2	LS 10%	0-20	SBK / C	FR SS SP	>29	29	NA	29	PS 0.25 SHALLOW
		20-29	W SBK / CL	FR SS SP					
		29-48	WEATHERED ROCK						
3	TS 10%	0-10	W SBK / SCL	FR SS SP	>46	46	NA	NA	PS 0.3
		10-46	ABK / C	FR SS SP					
4	LS 15%	0-9	W SBK / SCL	FR SS SP	>49	38	PS	NA	PS 0.3
		9-26	ABK / C	FR SS SP					
		26-38	W SBK / SCL	FR SS SP					
		38-49	SLESS SAP/ SL	FR SS SP					

OK CSF

COMMENTS: Pit 1 some weathered rock (WR) at bottom of pit, saprolite inclusions @ 30". Pit 3 WR (yellow and black) in bottom of pit. Pit 4 saprolite inclusions @ 26".

Evaluation By: Steven Price

Pit 1 - 0-4 F-I
4-26 LS SBK fr SSSP Soap
26-48 RCL WSBK fr SSSP Soap .3

Landscape Position	Group	Texture	1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope				PR-Prismatic
T-Terrace		SICL-Silty Clay Loam		W-Weak
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

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

2) 0-3 BSL
3-30 RL SBK fr SSSP
30-48 RCL WSBK fr SSSP .3

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	ORANGE	1.7	76	76
2	BLUE	3.2	98	98
3	RED	4.9	134	134
4	PINK	6.5	158	158
5a	YELLOW	8.4	34	34
5b	YELLOW	8.4	112	
6	BLUE	10.1	143	
7	ORANGE	11.8	120	
8	PINK	13.5	106	
9	YELLOW	14.8	77	
10	RED	16.6	41	
11	BLUE	18.9	18	

LOT 190 BELLS CROSSING SUBDIVISION

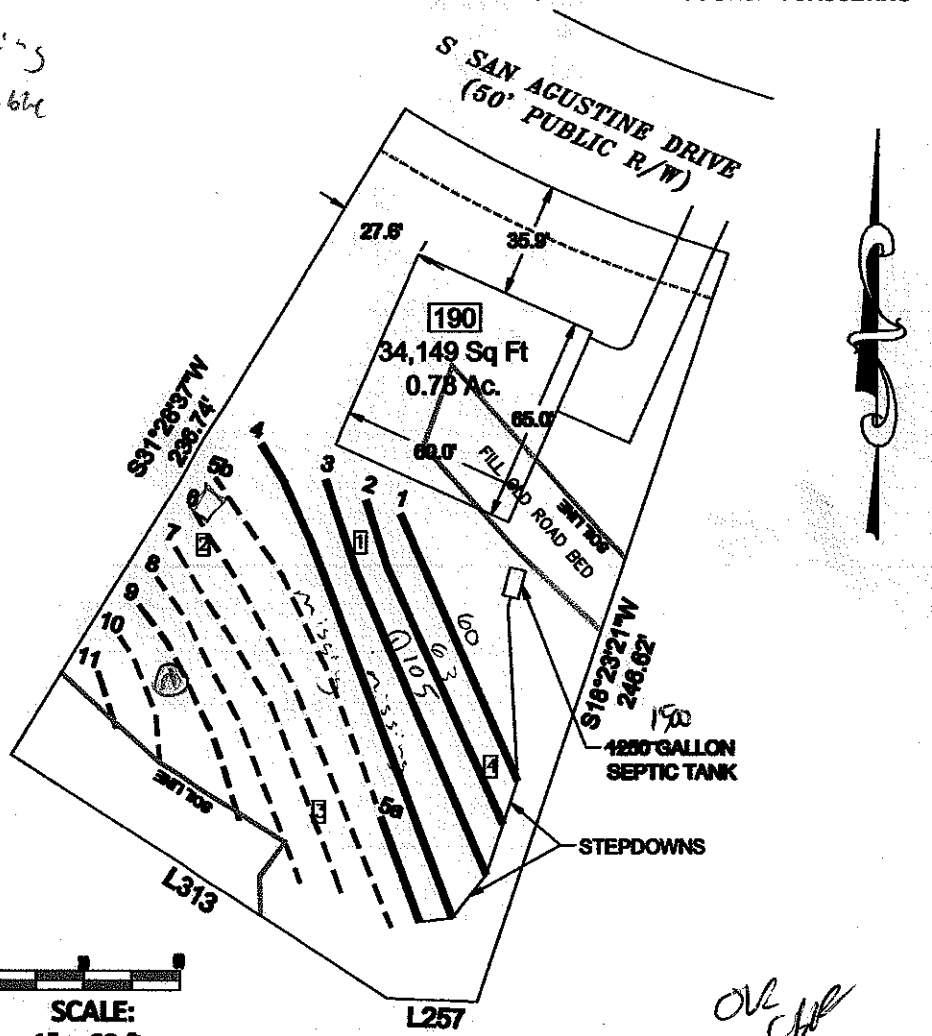
5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 1-5a TOTAL 500 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
24" TRENCH DEPTH

5-BEDROOM ACCEPTED STATUS GRAVITY AT GRADE REPAIR
LINES 5b-11 TOTAL 617 LINEAR FEET
CHAMBER
LTAR 0.25
25% REDUCTION
17" TRENCH DEPTH (ADD 4" OF COUNTY APPROVED COVER)

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY PRICE ENVIRONMENTAL RESOURCE CONSULTING

Front corners missing
1 house corner available



OVC

Bateman Civil Survey Company
Engineers • Surveyors • Planners

MeritageHomes

LOT 190
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 5/8/15 DRAWN BY: MDB CHECKED BY: TMB