8/14/13

Sheet:
Property ID:
Lot #:
Date:
Appl.:

LICENSED SOIL SCIENTIST JASON M. HALL SEAL OF THE STATE OF NORTH CAROLINA STATE OF NORTH CAROLINA

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address:
Proposed Facility: Design Flow (.1949) 480
Location of Site: Bells Crossing Lot 19
Applicant:
Date Evaluated:
Property Size:
Property Recorded: 1248

Water Supply:	[X] 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	1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz.	Profile Class & LTAR
A	3% R A	0-3"	Gr Loam	VFR, NS, NP	10YR 2/1				
	BT1	3-14"	SBK Clay	FI, SS, SP	10R 4/6				
	BT2	14-27"	SBK CL	FI, SS, SP	→2.5YR 4/8 7.5YR 6/8 15%				PS 0.33
	BC	27-36"	WK SBK CL	FR, NS, NP	→2.5YR 4/8 7.5YR 6/8 20%				PS 0.33
	C1	36-65	SG Loam	FR, NS, NP	→ 2.5YR 6/8		S		0.33
B	BT1	0-17"	SBK Clay	FI SS SP	10R 4/8				
	BT2	17-38"	SBK CL	FR SS SP	→ 2.5YR 4/6 7.5YR 6/8 10%				PS 0.33
	BC	38-60"	WK SBK CL	FR SS SP	→2.5YR 4/6 5-10% 7.5YR 6/8				S 0.33
C	BT1	0-12"	SBK Clay	FI, SS, SP	10R 4/8				
	BT2	12-42"	SBK CL	FR, NS, SP	2.5YR 4/8 5% 5YR 7/2 Relict				S 0.33
	BC	42-52"	WK SBK CL	FR, NS, SP	2.5YR 5/8 10% 5YR 4/8				S 0.33
D	A	0-2"	Gr Loam	VFR, NS, NP	10YR 2/1				
	BT1	2-29"	SBK Clay	FI, SS, SP	→10R 4/8 7.5YR 6/8 10%				S 0.3
	BC	29-52"	WK SBK CL	FR, NS, SP	→2.5YR 5/8 5% mica 10-15% 2.5YR 6/8				S 0.33

Description	Initial System	Repair System
Available Space (.1945)	Yes	Yes
System Type(s)	Accepted	Panel Block
Site LTAR	0.3	0.3

Other Factors (.1946): Weather Rock one side of Pit B less than 36"
Soil Evaluation By: JH, MB
Others Present:
Site Classification (.1948): S
Site Evaluation By:
Others Present:

BA 10-31-13

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	YELLOW	2.1	36
2	BLUE	2.4	67
3	RED	3.0	102
4	YELLOW	3.8	103
5	BLUE	4.8	103
6	RED	5.8	89
7	BLUE	7.0	92
8	PINK	8.1	80
9	YELLOW	8.9	45

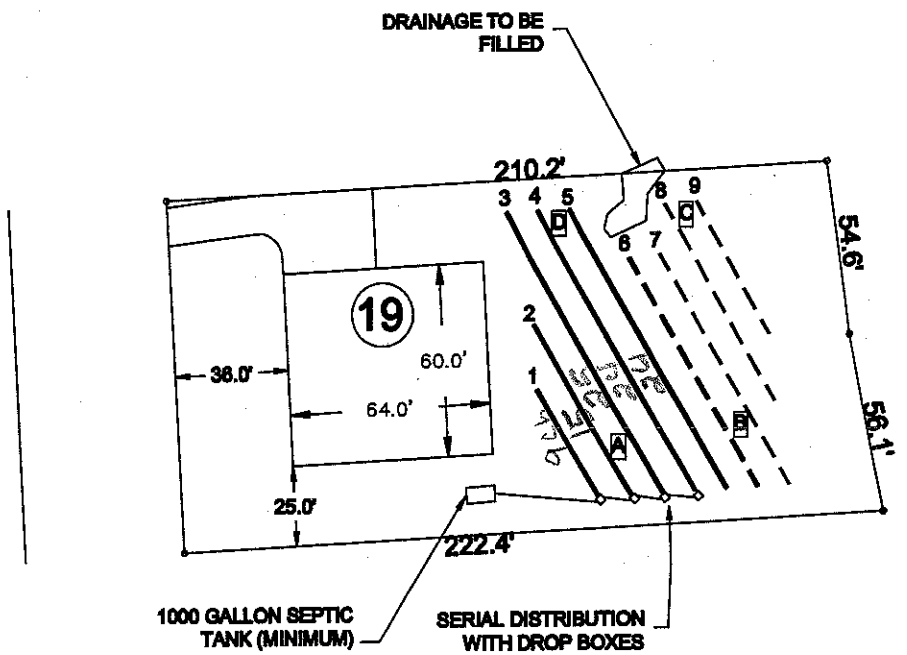
LOT 19 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
SERIAL DISTRIBUTION WITH DROP BOXES
LINES 1-5 TOTAL 411 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
24" TRENCH DEPTH

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 6-9 TOTAL 306 LINEAR FEET
LTAR 0.3
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC



A PIT OR AUGER BORING
PRIMARY LINES
REPAIR LINES

0 30 60

SCALE:
1" = 60 ft.

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NCBELS Firm No. C-3576

MeritageHomes

LOT 19
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 09/27/13 DRAWN BY AH CHECKED BY: TMB