Sheet:
Property ID:
Lot #:
File #:
AppID:

RA

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Applicant:
Address:
Date Evaluated: 8-14-2013
Proposed Facility:
Design Flow (.1949) 480
Property Size:
Location of Site: Bells Crossing Lot 18
Property Recorded:
Water Supply: [V] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [V] 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
A	R 2-3%	0-2"	Gr, Loam	VFR, NS, NP	10YR 2/1				
	BT1	2-7"	SBK, CL	FI, SS, SP	5YR 4/6				
	BT2	7-31"	SBK, Clay	FI, SS, SP	10R 4/8				PS 0.3
					7.5YR 6/8 10%				
	BT3	31"-56"	SBK, Clay	FI, SS, SP	2.5YR 4/6				S 0.3
B	BT1	0-32"	SBK Clay	FI, SS, SP	10R 4/8				PS 0.3
	BT2	32-50"	SBK CL	FI, SS, SP	10R 4/8				S 0.3
					5% MICA				
					7.5YR 6/8 5-10%				
C	A	0-2"	Gr, Loam	VFR, NS, NP	10YR 2/1				
	BT1	2-34"	SBK, Clay	FI, SS, SP	10R 4/8				PS 0.3
	BT2	34-57"	WKSBK CL	FI, SS, SP	2.5YR 4/8				S 0.3
					5YR 6/8 10-15%				
D	BT	0-18"	SBK Clay	FI, SS, SP	10R 4/8				
	BC	18-46"	SBK CL	FR SS SP	2.5YR 4/8				PS 0.3
					5YR 6/8 5%				
					MICA 2-5%				
	C1	46-55"	SG Loam	VFR, NS, NP	2.5YR 6/8		S		0.4
					MICA 2-5%				

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):
Soil Evaluation By: JH, MB
Others Present:
Site Classification (.1948): S
Site Evaluation By:
Others Present:

LICENSED SOIL SCIENTIST
JASON M. HALL
1248
STATE OF NORTH CAROLINA

RECEIVED JUL 1 4 2014
Paid $195.00 Redraw # 181353

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	PANEL LENGTH (FT)
1	YELLOW	.3	38	38
2	ORANGE	.9	67	67
3	RED	1.5	96	96
4	BLUE	1.9	96	96
5	WHITE	2.9	100	100
6	ORANGE	3.4	99	96
7	RED	3.9	36	36
8	PINK	4.6	90	88
9	RED	5.5	80	80
10	PINK	6.6	40	40

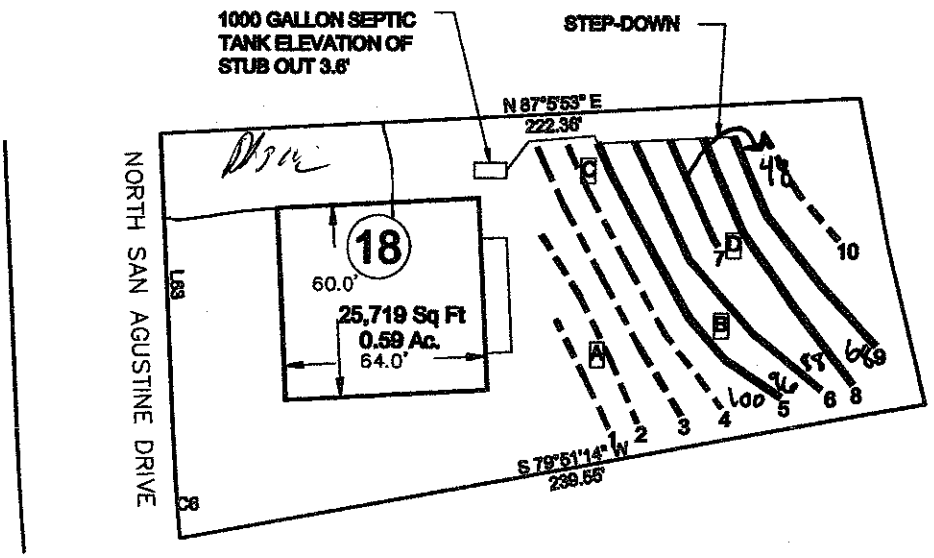
LOT 18 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 5-9 TOTAL 400 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
24" TRENCH DEPTH MAX

4-BEDROOM ACCEPTED STATUS GRAVITY REPAIR
LINES 1-4, 10 337 TOTAL LINEAR FEET
LTAR 0.3
25% REDUCTION
30" TRENCH DEPTH MAX

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC



PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES (NOT USED)

PIT OR AUGER BORING [1]

SCALE:
1" = 60 ft.

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NCBELS Firm No. C-0578

Meritage Homes

LOT 18
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 07/07/14
DATE: 6/24/14 DRAWN BY AH CHECKED BY: TMB