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

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: see App
Proposed Facility:
Location of Site: Bells Crossing Lot 47

Applicant:
Date Evaluated: 10-8-2013
Property Size:
Property Recorded:

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	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
A	R	A	0-3"	Gr Loam	VFR NS NP	10YR 3/2				
		E	3-6"	Gr Loam	VFR NS NP	10YR 6/4				
		BT1	6-39"	SBK Clay	FI SS SP	10R 4/8				S 0.3
		BT2	39-55"	SBK clay	FI SS SP	2.5YR 5/8 10YR 7/6 10%				S 0.3
B		B	0-6	SBK, CL	FR, SS, SP	5YR 5/6				
		AE	6-19	Gr, SL	VFR, NS, NP	7.5YR 4/6				
		Bt	19-53	SBK, Clay	FI, SS, SP	2.5YR 4/8 10YR 7/6 5%	S			S 0.3
C		A	0-3"	Gr Loam	VFR NS NP	2.5YR 3/3				
		BT1	3"-33"	SBK Clay	FI SS SP	10R 4/8				D 0.3
		BT2	33-56"	SBK CL	FR SS SP	→ 2.5YR 4/8 7.5YR 6/8 5%				S 0.33
D		A	0-3	Gr Loam	VFR NS NP	2.5YR 3/3				
		BT1	3-21"	SBK Clay	FI SS SP	10R 4/8				S 0.3
		BC	21"-51	WK SBK CL	FI SS SP	2.5YR 4/8 7.5YR 6/8 15% 7.5YR 8/2 5%				S 0.33

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Description	Initial System	Repair System
Available Space (.1945)	Yes	Yes
System Type(s)	Accepted Gravity	Accepted
Site LTAR	.3	.3

Other Factors (.1946):
Soil Evaluation By: JH, MD
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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

B1 0-4 R SCL GR FR SS SP SEAP
NS 4-19 R C MPSBK FR SS SP SEAP
14% 19-48 YR CL WPSBK FR SS SP SEAP con sap, few WR crumbs 28"
B2 0-4 R SCL GR FR SS SP SEAP
SS 4-18 R C MPSBK FR SS SP SEAP .3
20% 18-30 YR CL WPSBK FR SS SP SEAP con sap
30-48 YR CL WPSBK FR SS SP SEAP common sap

B3 0-30 R C WPSBK FR SS SP SEAP .25
SS 30-48 Var CL Sap FR SS SP SEAP
Bdy
Common wmottles con sap, con YR possible Chr 2

RECEIVED JUL 2 4 2014

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	WHITE	0	15
2	RED	0.7	29
3	BLUE	1.2	46
4	YELLOW	2.1	64
5	PINK	3.7	75
6	WHITE	4.5	18
7	ORANGE	6.1	100
8	BLUE	8.2	111
9	YELLOW	10.2	116
10	PINK	12.7	106
11	PINK	15.0	75
12	BLUE	17.8	94
13	ORANGE	19.7	85

APPROVED JUL 25 2014

APPROVED JUL 25 2014

AHP

LOT 47 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 8-12 TOTAL 502 LINEAR FEET USE 500 FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH MAX AFTER COVER IS ADDED

5-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 1-7 13 TOTAL 417 LINEAR FEET
CHAMBER
LTAR 0.3
50% REDUCTION
36" TRENCH DEPTH MAX

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

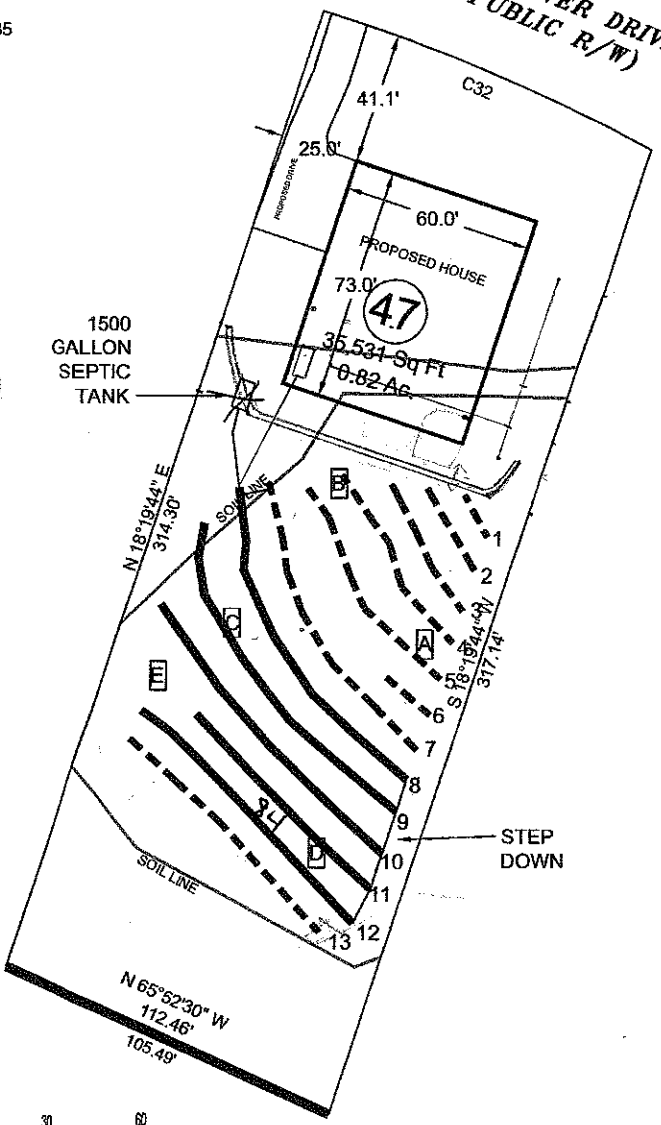
SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC

PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES
(NOT USED)

PIT OR AUGER BORING A



0 30 60

SCALE:
1" = 60 f t.

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

MeritageHomes

LOT 47
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 07/01/14 DRAWN BY: AH CHECKED BY:TMB