Sheet: 1
Property ID:
Lot #: 27
File #:
AppID:

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: 11605 N Community House Rd, Charlotte NC 28277
Applicant: Same
Date Evaluated: 03/09/13
Proposed Facility: 5 Bedroom house Design Flow (.1949) 600 gpd
Property Size: 0.78 ac
Location of Site: Bells Crossing Lot 27
Property Recorded: 2013

Water Supply: [X] Public [ ] Individual [X] 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
1	SS 10% A	0-2	GR SL	VFR NS NP	10YR 6/3				
	BT	2-34	SBK Clay	FI SS SP	2.5YR 4/8	PS			PS .3
					10YR 6/8 10%				
	C	34-52	SG, SL	VFR NS NP	5YR 4/8		S		S .4
2	A	0-4	GR SL	VFR NS NP	10YR 6/3				
	BT	4-17	SBK Clay	FI SS SP	5YR 4/4				PS 0.3
	BT2	17-37	SBK Clay	FI SS SP	2.5YR 4/8				PS 0.3
	BC	37-62	SBK CL	FI SS SP	2.5YR 4/8				PS 0.35
					10% 5YR 5/8				
3	A	0-3	GR SL	VFR NS NP	10YR 6/4				
	BT	3-28	SBK Clay	FI SS SP	2.5YR 4/8 7.5YR 6/8 5%	PS			PS .3
	BC	28-51	CL	FI SS SP	2.5YR 4/8 / 7.5YR 4/8 15%	S			S .35
4	A	0-3	GR SL	VFR NS NP	10YR 6/4				
	BT	3-30"	SBK Clay	FI SS SP	2.5YR 4/8	PS			PS .3
	BC	30-50"	SBK CL	FI SS SP	2.5YR 4/8	S			S .35
					5YR 7/4 15%				

Description	Initial System	Repair System
Available Space (.1945)	Yes	Yes
System Type(s)	Accepted 9%	Accepted 25%
Site LTAR	0.3	0.3

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

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

APPROVED JUN 10 2014
ALP

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	
1	ORANGE	2.6	28	
2	RED	3.2	41	50
3	BLUE	3.6	82	
4	PINK	4.7	77	
5	YELLOW	5.7	100	100
6	ORANGE	6.8	59	
7	BLUE	9.1	148	149'
8	RED	11.4	153	
9	PINK	13.0	136	137'
10	YELLOW	14.8	116	
11	ORANGE	16.1	68	68'
12	BLUE	17.5	85	
13	RED	19.0	50	
14	PINK	20.3	38	38'

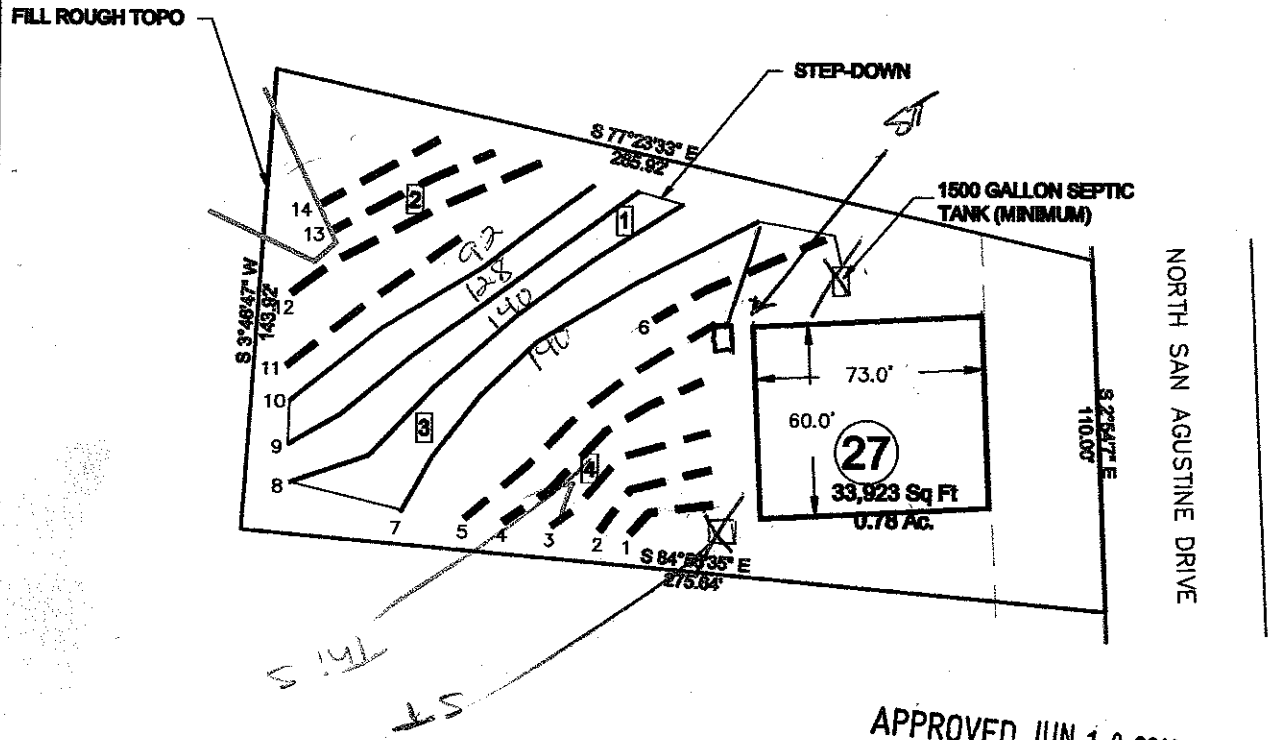
LOT 27 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 7-10 TOTAL 553 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH MAX

5-BEDROOM ACCEPTED STATUS GRAVITY REPAIR
LINES 1-6, 11-14 618 TOTAL LINEAR FEET
LTAR 0.3
25% 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



APPROVED JUN 10 2014
AZP

PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES (NOT USED)

PIT OR AUGER BORING 1

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-2570

MeritageHomes

LOT 27
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 5/21/14 DRAWN BY MB CHECKED BY: TMB