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

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Heritage Homes
Address:
Proposed Facility: Design Flow (.1949)
Location of Site: Bells Crossing Lot #45
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

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

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	SS 10%	A	0-2"	Gr Loam	VFR NS NP	7.5YR 4/4				
		BT	2-20"	SBK Clay	FI SS SP	10R 4/8				
		BC	20-44	SBK CL	FI SS SP	→2.5YR 4/8 10YR 6/8 10% 10YR 8-2 Relict 10%				PS 0.33
		C	44-55	Mass Loam	VFR NS NP	→5YR 5/8		S		0.4
B	SS 10%	A	0-5"	Gr SL	VFR NS NP	10YR 3/4				
		BT	5-30"	SBK Clay	FI SS SP	10R 4/8				PS 0.3
		BT2	30-36"	SBK Clay	FI SS SP	→10R 4/8 10YR 6/8 15%				PS 0.3
		BC	36-53"	WK SBK CL	FI SS SP	→2.5YR 4/8 7.5YR 6/8 20%				S 0.33
C	R 3%	AE	0-4"	Gr SL	VFR NS NP	7.5YR 4/6				
		Bt	4"-28"	SBK Clay	FI SS SP	10R 4/8				PS 0.3
		BC	28-50	WK SBK SCL	FR SS SP	2.5YR 4/8				
		C	50-56	SG SL	VFR NS NP	5YR 5/8 20% →5YR 5/8				
D	R 3%	A	0-2"	Gr SL	VFR NS NP	10YR 4/3				
		BT	2-51"	SBK Clay	FI SS SP	10R 4/8 10YR 6/6 10%				

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

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 THE GREAT SEAL OF THE STATE OF NORTH CAROLINA STATE OF NORTH CAROLINA

APPROVED JUL 17 2014
AHP

B1 0-10 B SCL Gr Fr SS SP SGP
10-24 R C MPSBK Fr SS SP SGP .3
SS 24-34 R CC MPSBK Fr SS SP SGP Com SAP
30% 34-42YR CC MPSBK Fr SS SP SGP Many SAP
42-48 Var SL SAP Fr SS SP SGP

B2 0-4 B SCL Gr Fr SS SP SGP Com gravel .3
4-24 R C MPSBK Fr SS SP SGP Few gravel
SS 24-42 R CC MPSBK Fr SS SP SGP Com SAP, Few MR
19% 42-48 Var L SAP Fr SS SP SGP Com CC Ped.

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	
1	RED	1.3	46	45'
2	BLUE	2	59	58
3	YELLOW	2.9	66	
4	ORANGE	3.4	69	71
5	BLUE	5.1	80	
6	ORANGE	7.3	77	77'
7	YELLOW	9.6	76	
8	RED	10.4	71	70'
9	PINK	12.3	72	
10	BLUE	14.3	70	70
11	YELLOW	16.3	69	68'

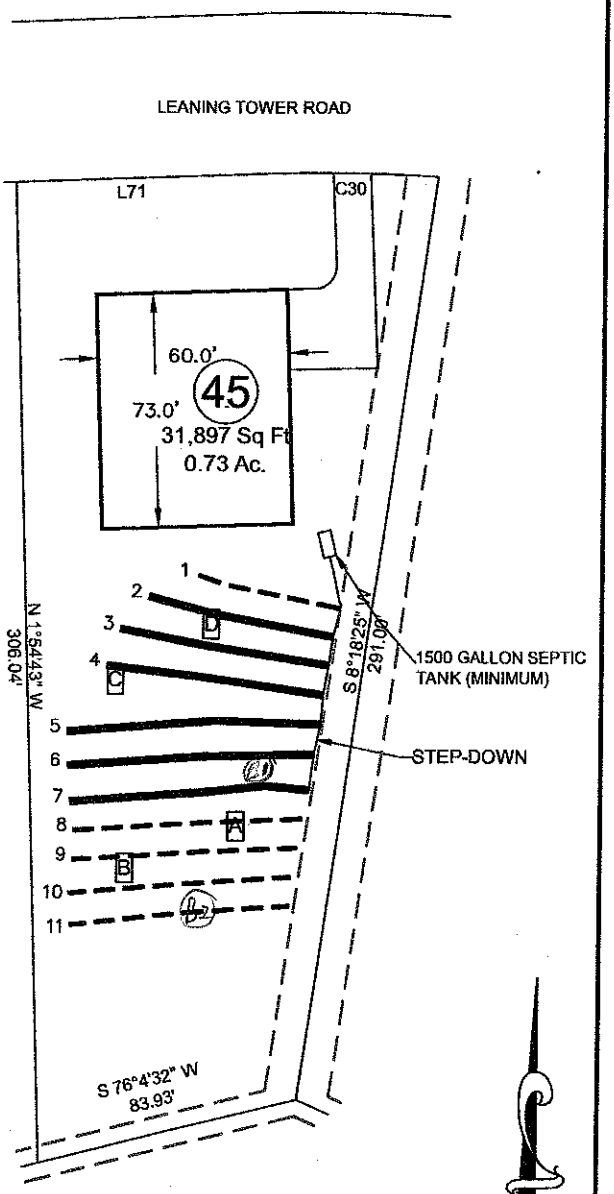
LOT 45 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 2-7 TOTAL 427 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
24" TRENCH DEPTH MAX

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 1 8-11 328 TOTAL LINEAR FEET
LTAR 0.3
50% 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]

0 30 60

SCALE:
1" = 60 f t.

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LOT 45
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 6/23/14 DRAWN BY AH CHECKED BY: TMB