LOT 37 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 5-8 TOTAL 693 LINEAR FEET USE 500 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
26" TRENCH DEPTH MAX

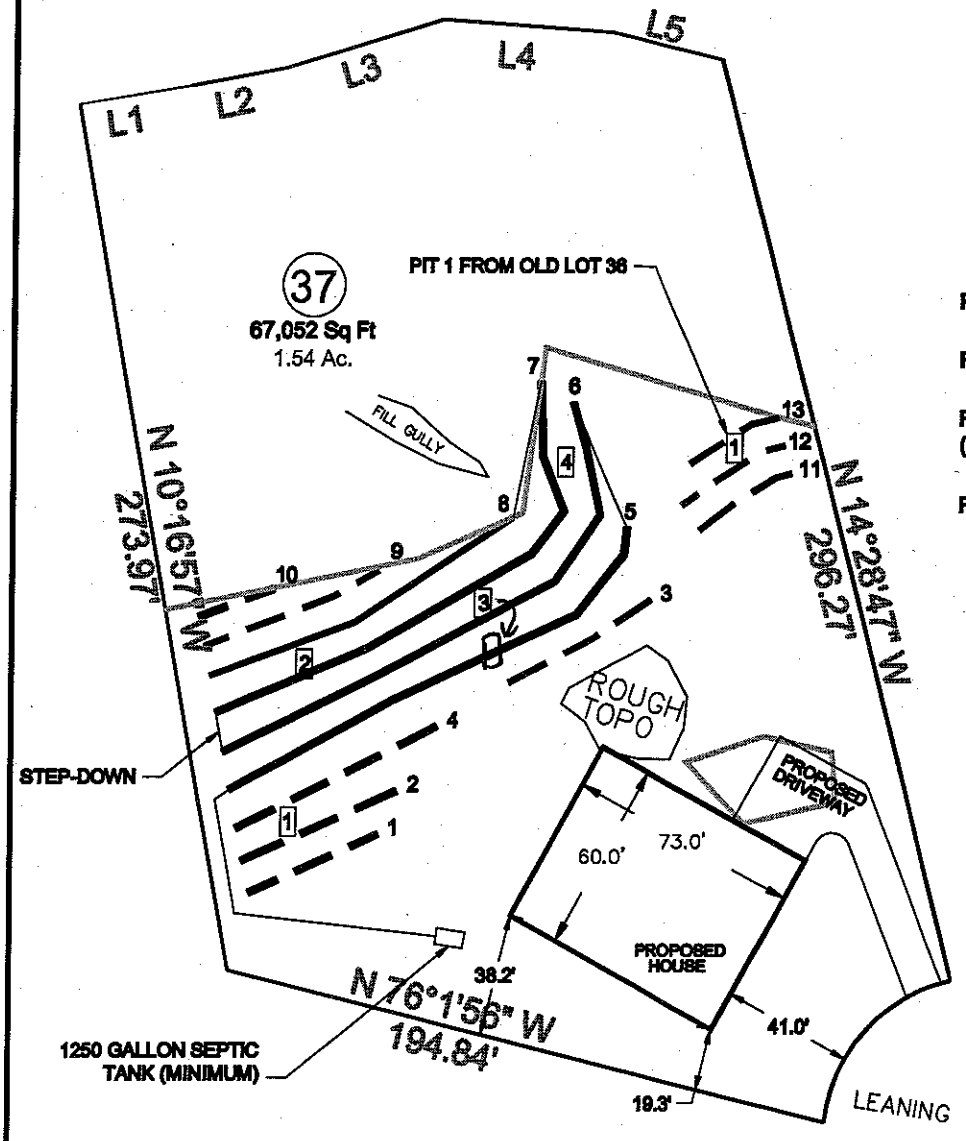
5-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 1-4 AND 9-13 TOTAL 397 LINEAR FEET
LTAR 0.3
50% REDUCTION
36" TRENCH DEPTH MAX

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)
1	YELLOW	1.0	42
2	RED	2.7	50
3	ORANGE	3.8	70
4	ORANGE	3.8	45
5	PINK	5.4	150
6	YELLOW	7.8	168
7	BLUE	10.0	165
8	RED	12.6	110
9	ORANGE	14.4	60
10	PINK	17.3	25
11	ORANGE	8.0	35
12	PINK	9.3	40
13	YELLOW	10.3	30



PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES (NOT USED)

PIT OR AUGER BORING [1]

Approved by
ICHD
ALP
12-23-14

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-0278

MeritageHomes

LOT 37
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 11/10/13 DRAWN BY AH CHECKED BY: TMB

Sheet: 1 of 3
Property ID: 4639-95-5462
Lot #: 37
File #:
App ID:

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: 11605 North Community House Rd, Charlotte NC 28277
Proposed Facility: Single Family Design Flow (.1949) 600 gpd
Location of Site: Lot 37 Bells

Applicant: Same
Date Evaluated: 10-2-2013
Property Size: 1.54 ac
Property Recorded: 2013

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
1	SS	A	0-5	GR SL	VFR NS NP	10YR 3/2				
		E	5-17	GR SL	VFR NS NP	10YR 5/6				
		BT	17-34	SBK clay	FI SS SP	5YR 5/8				PS 0.3
		C	34-53	SG SL	VFR NS NP	7.5YR 6/8		S		PS 0.4
2		A	0-4	GR Loam	VFR NS NP	10YR 3/2				
		E	4-12	GR SL	VFR NS NP	10YR 4/6				
		BT1	12-31	SBK Clay	FI SS SP	2.5YR 4/8	PS			PS 0.3
		BC	31-40	WK SBK, CL	FI SS SP	2.5YR 5/8	PS			PS .33
						7.5YR 7/8, 5/8				
		C	40-46	SG Sandy Loam	VFR NS NP	5YR 6/8	PS	PS		PS .33
3		AE	0-9"	GR, SL	VFR, NS NP	7.5R 5/3				
		BT1	9"-11	SBK SCL	FI SS SP	5YR 5/8				
		BT2	11-28	SBK Clay	FI, SS SP	2.5 5/8				PS 0.3
		BC	28-33	WK SBK SCL	VFR SS SP	2.5 YR 5/8				PS 0.35
		C	33-	SG SL	VFR NS NP	5YR 6/8		PS		PS 0.4

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

Other Factors (.1946):
Soil Evaluation By: Jason Hall
Others Present: Matt Burr
Site Classification (.1948):
Site Evaluation By: Same
Others Present:

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

APPROVED BY
ICHD
ALP 1-29-14

Sheet: 2 of 3
Property ID:
Lot #: 37
File #:
App ID:

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: 11605 North Community House Road, Charlotte NC 28277
Proposed Facility: Single Family Design Flow (.1949) 600gpd
Location of Site: Lot 37 Bells

Applicant: Same
Date Evaluated: 10-2-2013
Property Size: 1.54 ac
Property Recorded: 2013

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] 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
4	SS A/E	0-7	GR SL	VFR NS NP	7.5YR 5/3	—			
	BT	7-16	SBK SCL	FI SS SP	5YR 5/8				
	BT2	16-26	SBK Clay	FI SS SP	5YR 5/8 15% 7.5YR 6/8				PS 0.3
	BC	26-38	SBK SCL	FI SS SP	5YR 5/8 10% 10YR 6/6 5% 10YR 6/3				PS 0.3
	CB	38-48+	MM SCL	FI SS SP	7.5YR 5/8 10% 10YR 6/6 10% 10YR 5/1				

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

Other Factors (.1946):
Soil Evaluation By: Jason M. Ha
Others Present: Mark
Site Classification (.1948):
Site Evaluation By:
Others Present: Same

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JASON M. HA
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1248
STATE OF NORTH CAROLINA

Note: Old Lot 36 ~~#~~ is now part of Lot 37
See Site plan

Sheet: 3 of 3
Property ID:
Lot #: 37
File #:
AppID:

CCSC SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Meritage Homes
Address: 11605 North Community House Road, Charlotte NC 28277
Proposed Facility: Single Family Design Flow (.1949) 600 gpd
Location of Site: Lot 36 Bells 37

Applicant: Same
Date Evaluated: 10-2-2013
Property Size: 1.54 ac
Property Recorded: 2013

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 .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 3/2				
*	Bt	2-22	SBK Clay	FI SS SP	2.5YR 4/8	PS			PS .3
	BC	22-39	SBK CL	FI SS SP	2.5YR 4/8	PS			PS .33
					10YR 7/6 10%				
	C	39-99	SG Loam	VFR NS NP	5YR 6/4		S		S .4
2	A1	0-6	GR SL	VFR NS NP	10YR 4/3				
	E	6-13	GR	VFR NS NP	10YR 5/4				
	A2	13-20	GR SL	VFR NS NP	10YR 4/2				PS
	BW1	20-29	GR SL	VFR NS NP	10YR 5/8				PS 0.6
	BW2	29-40	SBK SCL	FR SS SP	7.5YR 5/8				PS 0.4
	C	40-44	SG SL	VFR NS NP	10YR 4/6				PS 0.6
3	A	0-4	GR SL	VFR NS NP	10YR 4/3				
	E	4-8	GR SL	VFR NS NP	10YR 4/4				
	BW1	8-16	GR SL	VFR NS NP	10YR 5/8				
	BW2	16-26	SBK SCL	VFR NS NP	7.5YR 5/8				
	BW3	26-36	SBK SL	VFR NS NP	10YR 5/8				
					10% 10YR 4/6				
	BW4	36-42	SBK SCL	VFR SS SP	10YR 5/6				
					15% 5YR 5/2 7.5YR 3/4				

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

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

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