Sheet: 1 of 1
Property ID:
Lot #: 49
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: 8/14/12
Proposed Facility: Single Family
Design Flow (.1949) 600gpd
Property Size: 1.20 ac
Location of Site: Bells Crossing
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 1941 Structure/ Texture | 1941 Consistence Mineralogy | PROFILE FACTORS .1942 Soil Wetness/ Color | 1943 Soil Depth (IN.) | 1956 Suppl. Class | 1944 Restr. Horiz. | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|---|
| A | R 7-10% NP | 0 | 0-14 | Gr, SL | VFR, NS, NP | 10YR 5/4 | | | | |
| | | BT1 | 14-43 | SBK Clay | FI, SS, SP | 10R 4/8 | | | | S 0.3 |
| | | BT2 | 43-47 | SBK, Clay | FI SS SP | 10R 4/8 10YR 6/6 15% | | | | S 0.3 |
| | | | | | | | | | | |
| B | | A | 0-9" | Gr Loam | VFR, NS, NP | 10YR 3/2 | | | | |
| | | BT1 | 9-35 | SBK Clay | FI, SS, SP | 10R 4/8 | | | | S 0.3 |
| | | BT2 | 35-56" | SBK Clay | FI, SS, SP | 10R 4/8 10YR 6/6 10% | | | | S 0.3 |
| | | | | | | | | | | |
| C | | A | 0-4" | Gr Loam | VFR, NS, NP | 10YR 3/2 | | | | |
| | | BT1 | 4"-10" | SBK CL | FI, SS, SP | 5YR 5/6 | | | | S 0.3 |
| | | BT2 | 10-30" | SBK Clay | FI SS SP | 10YR 4/8 | | | | S 0.3 |
| | | BT3 | 30-53" | SBK CL | FR SS SP | 2.5YR 4/8 10YR 6/6 5% | | | | S 0.35 |
| | | | | | | | | | | |
| D | | A | 0-5 | Gr Loam | VFR NS, NP | 10YR 3/2 | | | | |
| | | BT1 | 5-33 | SBK Clay | FI SS SP | 10R 4/8 | | | | S 0.3 |
| | | BT2 | 33-50" | SBK CL | FI SS SP | 2.5YR 4/8 10YR 6/6 5% | | | | S 0.3 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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

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

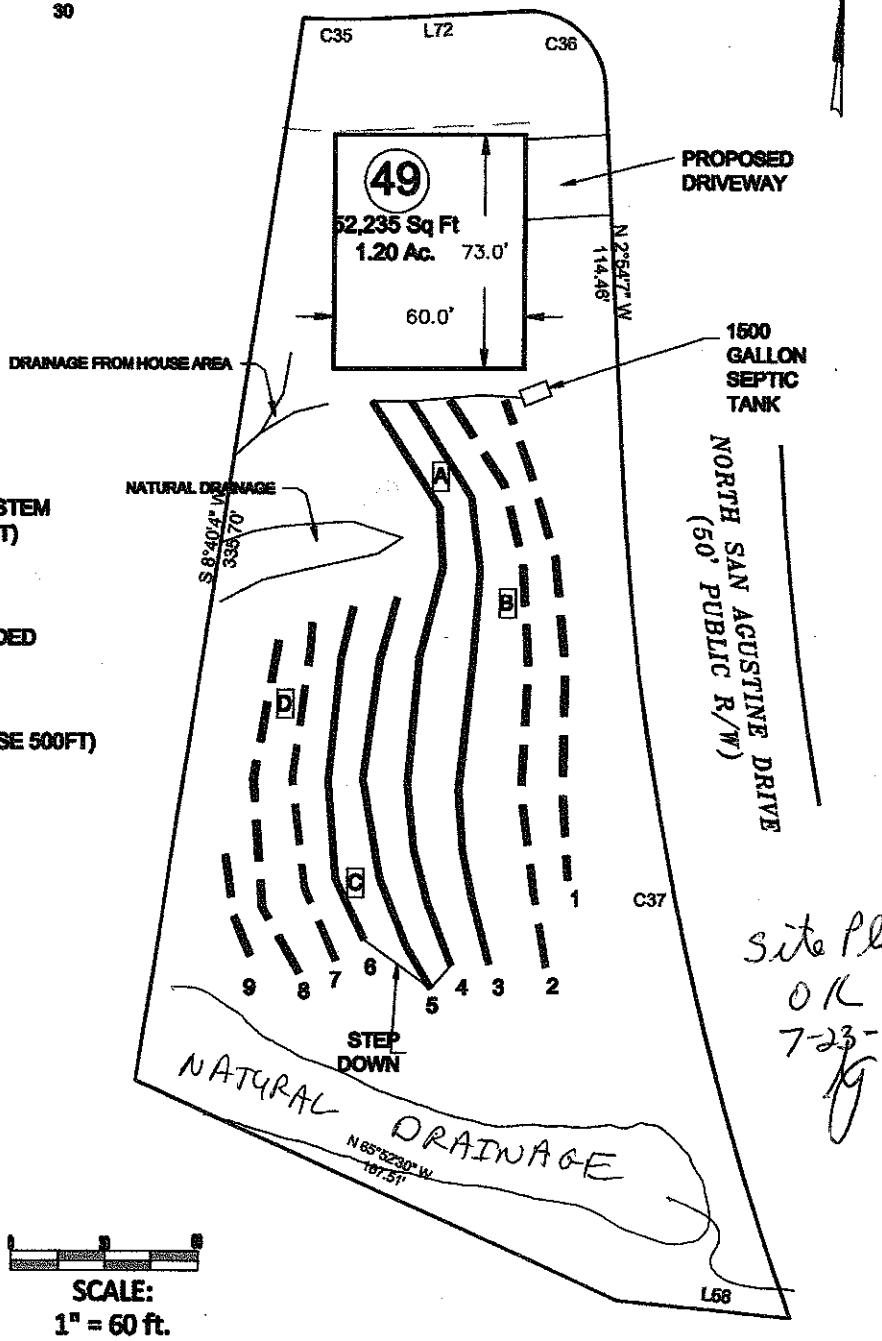
LICENSED SOIL SCIENTIST JASON M. HAY 1248 STATE OF NORTH CAROLINA

Docs OK
7-23-14

## LINE SCHEDULE

| LINE NUMBER | COLOR | FIELD ELEVATION | LENGTH (FT) |
|---|---|---|---|
| 1 | BLUE | 1.6 | 152 |
| 2 | PINK | 3 | 184 |
| 3 | ORANGE | 4.4 | 183 |
| 4 | RED | 6.5 | 188 |
| 5 | YELLOW | 8.2 | 127 |
| 6 | BLUE | 10.7 | 105 |
| 7 | PINK | 12.3 | 114 |
| 8 | RED | 13.1 | 110 |
| 9 | YELLOW | 15 | 30 |

Approved Plan




LOT 49 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 3-6 TOTAL 601 LINEAR FEET (USE 500FT)
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH MAX AFTER COVER IS ADDED

5-BEDROOM PRESSURE MANIFOLD REPAIR
LINES 1-2 AND 7-9 TOTAL 590 LINEAR FEET (USE 500FT)
CHAMBER
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

PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES
(NOT USED)

PIT OR AUGER BORING [A]

SCALE:
1" = 60 ft.

Site Plan
OK
7-23-14


Bateman Civil Survey Company
Engineers Surveyors Planners


MeritageHomes

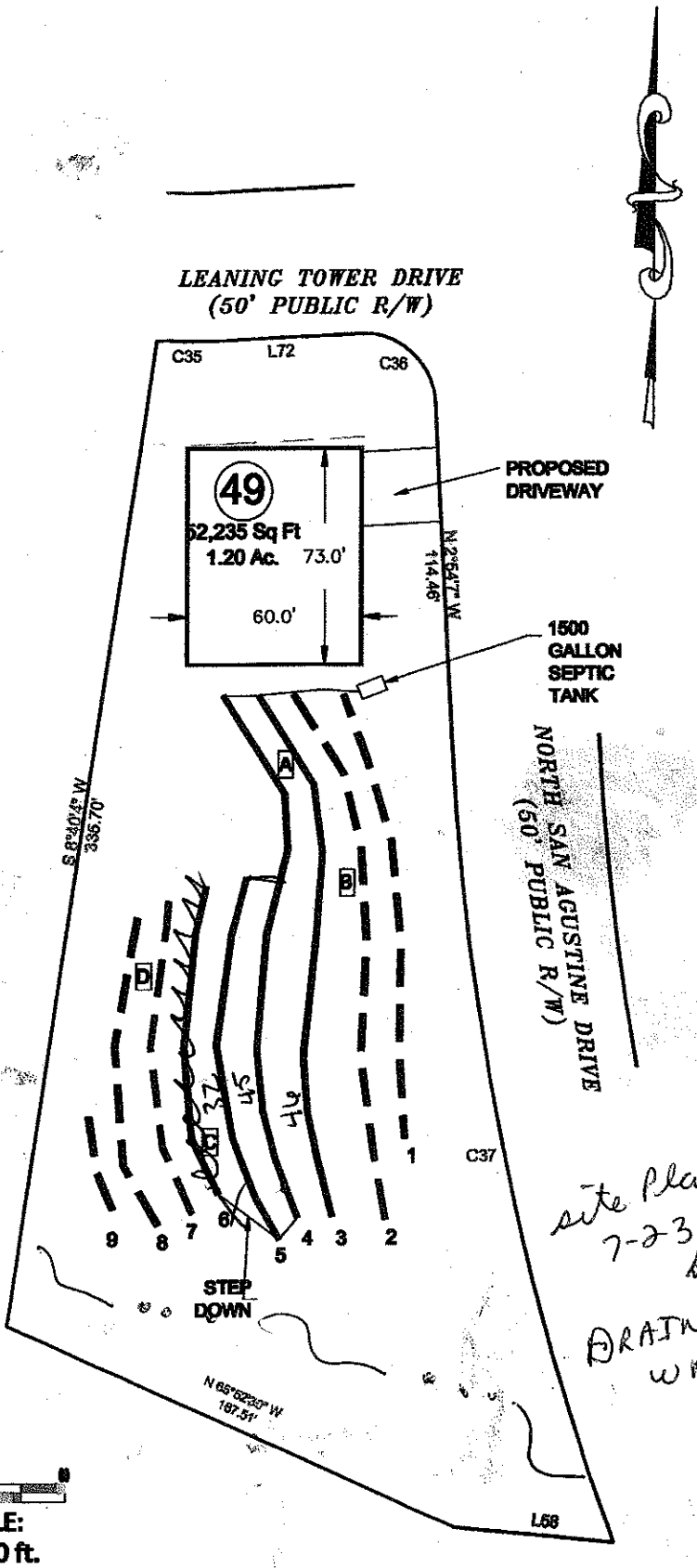
**LOT 49**
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 07/10/14 DRAWN BY: AH CHECKED BY:TMB

## LINE SCHEDULE

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|---|---|---|---|
| 1 | BLUE | 1.6 | 152 |
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| 6 | BLUE | 10.7 | 105 |
| 7 | PINK | 12.3 | 114 |
| 8 | RED | 13.1 | 110 |
| 9 | YELLOW | 15 | 30 |

SHOW OW




site Plan of 7-23-14

DRAINAGE WAY

LOT 49 BELLS CROSSING SUBDIVISION

5-BEDROOM ACCEPTED STATUS GRAVITY SYSTEM
LINES 3-6 TOTAL 601 LINEAR FEET (USE 500FT)
EZFLOW OR CHAMBER
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CENTRAL CAROLINA SOIL CONSULTING PLLC

PRIMARY SYSTEM

REPAIR SYSTEM

REPAIR LINES
(NOT USED)

PIT OR AUGER BORING A

SCALE:
1" = 60 ft.


**Bateman Civil Survey Company**
Engineers Surveyors Planners
300 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-2978


MeritageHomes

**LOT 49**
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE: 07/10/14 DRAWN BY: AH CHECKED BY: TMB