

**MICHAEL ATHANAS & ASSOCIATES**
**LICENSED SOIL SCIENTIST**
**561 Ennis Rd.**
**Weddington, NC 28173**
**(704) 576-3887**

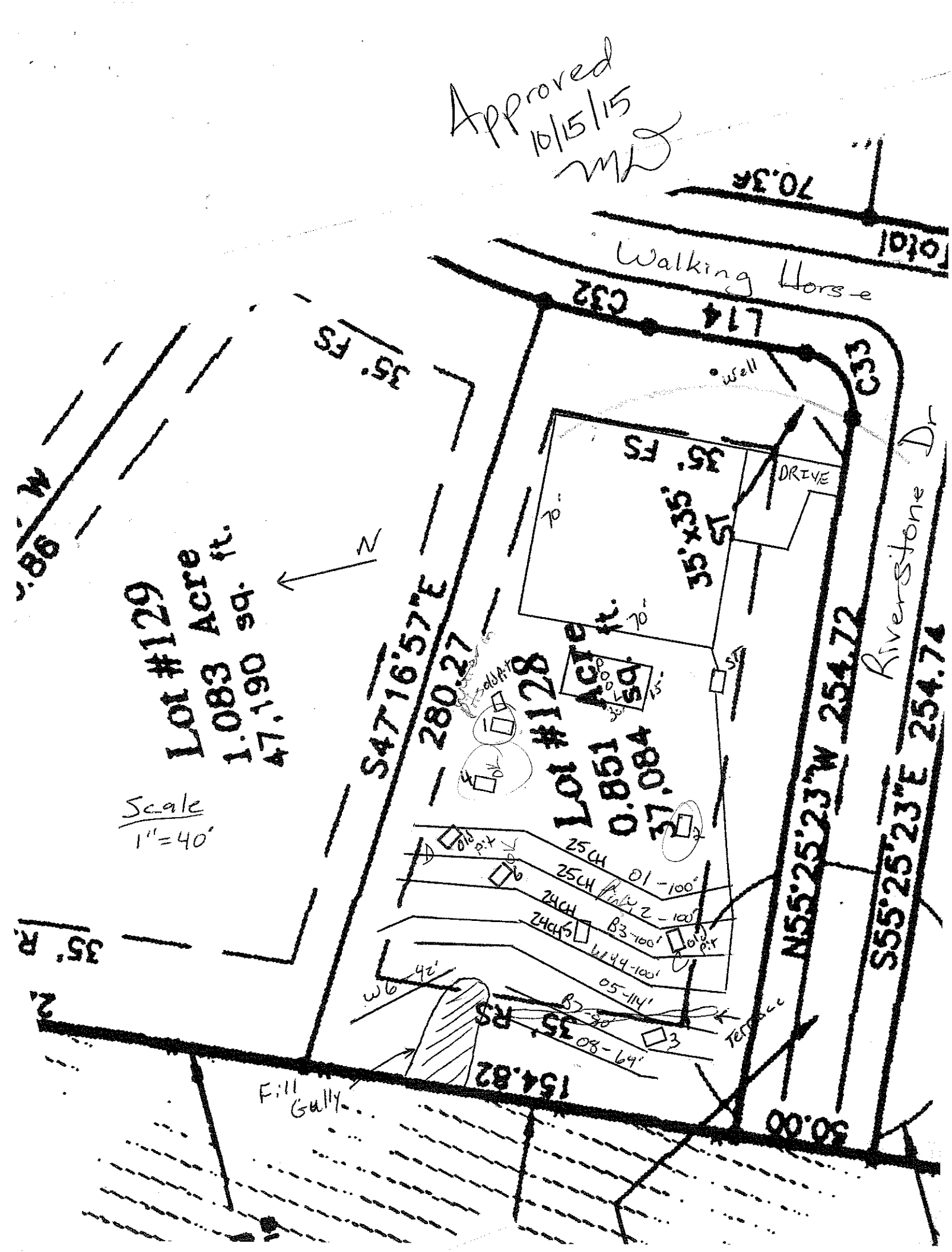
Approved
10/15/15
MA

**Reference: Anniston Lot 128**
**House Footprint:** 70' x 70'
**Building Setbacks:** 35' front/rear, 15' side
**Water Source:** Private well
**Number of Bedrooms:** 4/480 GPD
**Proposed LTAR:** 0.3 GPD/FT2
**Proposed System Type:** 25% Reduction
**Proposed Repair System Type:** PPBPS
**Distribution:** Gravity-drop boxes/end cap
**Septic Tank Size:** 1000 Gallons
**Proposed Trench Bottom:** 36" >100' to well

| Line | Design Length | Actual Length |
|---|---|---|
| **Orange 1** | **100'** | **114'** |
| **Yellow 2** | **100'** | **122'** |
| **Blue 3** | **100'** | **121'** |
| **Yellow 4** | **100'** | **127'** |
| Orange 5 | | 114' |
| White 6 | | 42' |
| Blue 7 | | 80' |
| Orange 8 | | 64' |

**Initial System:** 400' **Repair System:** 300'

**Comments:**
The gully in the rear of the lot must be filled. The terrace must be removed and any necessary blending needs to be done to achieve a linear slope.


Approved
10/15/15
Walking Horse
Riverstone Dr
Lot #129
1.083 Acre
47,160 sq. ft.
Lot #128
0.851 Acre
37,084 sq. ft.
S47°16'57"E
280.27
N55°25'23"W 254.72
S55°25'23"E 254.74
154.82
30.00
70.3R
C32
C33
L14
35' FS
35' R
DRIVE
well
Scale
1"=40'
N
Old pit
25CH 01-100'
25CH B2-100'
24CH B3-100'
24CH 04-100'
05-114'
08-64'
Terrace
Fill
Gully

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION


PROPERTY ID #: 4664889102
COUNTY: Iredell

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: Shea Homes
ADDRESS: 8008 Corporate Center Dr Ste 300, Charlotte NC
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 225 Walking Horse Tr. Anniston Lot 128
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.851 AC
PROPERTY RECORDED: 2013
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

Approved 10/15/15 MS

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS 5% Water in Pit | 0-22 | R C ABK | FR SS SP | CHR 2 @ 22" | 22" | N/A | N/A | US |
| 2 | LS 5% | 0-3 | Br CL WSBK | FR SS SP | Few YB CHR 2 @ 32" | 32" | N/A | N/A | PS 0.25 |
| | | 3-32 | R C SBK | FR SS SP | | | | | |
| 3 | LS 6% OK | 0-10 | Br CL WSBK | FR SS SP | | 26" | F-C SAP | N/A | PS 0.4 |
| | | 10-26 | R CL WSBK | FR SS SP | | | PS | | |
| | | 26-62 | SL SAP M | VFR SS SP | | | | | |
| 4 | LS 8% | 0-20 | R C ABK | FR SS SP | CHR 2 /Litho @ 20" | 20" | COM SAP | N/A | US |
| | | 20-47 | R CL WSBK | FR SS SP | | | | | |
| | | 47-60 | R L WSBK | FR SS SP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 1200 FT2 | 900 FT2 |
| System Type(s) | 25% Reduction | PPBPS |
| Site LTAR | 0.3 | 0.3 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & A
OTHER(S) PRESENT:

COMMENTS:

# SOIL/SITE EVALUATION

*(Continuation Sheet)*

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4664889102___
DATE OF EVALUATION: ___________
COUNTY: _IREDELL____

*Approved 10/15/15 [initials]*

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| 5 | LS 8% *OK* | 0-32 | R C SBK/ABK | FR SS SP | Litho Colors | 60" | | N/A | PS 0.3>32" |
| | | 32-46 | R CL WSBK | FR SS SP | | | Few SAP | | |
| | | 46-60 | R L WSBK | FR SS SP | | | Com SAP | | |
| 6 | LS 8% *OK* | 0-23 | R C SBK | FR SS SP | N/A | 51" | F-C SAP | N/A | PS 0.3 |
| | | 23-51 | R CL WSBK | FR SS SP | | | | | |

COMMENTS:___________________________________________

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION


PROPERTY ID #:
COUNTY:

Anniston

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

Lot 128

OWNER: _____ APPLICATION DATE: _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ❑ Private ❑ Public ❑ 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) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| P 1 128 A | L/0-5% | 0-36 | rc wmsbk/abk | fr,ss,sp sexp | f sap, lithochr poss YB⁵ | 58" | — | — | PS-36 0.225 32" UN |
| | | 36-58 | rc vwabk | fr,ss,sp sexp | m chr 2⁵/lithochr | | — | — | |
| | | 58-62 | rycl wfsbk | fr,ss,sp sexp | f chr 2⁵/lithochr | | — | — | |
| P 2 128 B | L/0-5% | 0-36 | rc wmsbk/abk | fr,ss,sp sexp | f sap/lithochr poss YB⁵ | 58" | — | — | PS 0.225 32" UN |
| | | 36-48 | rc vwabk | fr,ss,sp sexp | m chr 2⁵/lithochr | | — | — | |
| | | 48-58 | rycl wfsbk | fr,ss,sp sexp | f chr 2⁵/lithochr | | — | — | |
| P 3 128 C | L/0-5% | 0-30 | rc mfsbk/abk | fr,ss,sp sexp | f sap — | 60" | — | — | PS 0.3 |
| | | 30-60 | rcl wfsbk | fr,ss,sp sexp | c sap — | | — | — | |
| P 4 128 D | L/0-5% | 0-28 | rc mfsbk | fr,ss,sp sexp | f sap — | 62" | — | — | PS 0.3 |
| | | 28-62 | rcl wfsbk | fr,ss,sp sexp | c sap — | | — | — | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | P3 | P3 |
| System Type(s) | PPBPS | DRIP I |
| Site LTAR | 0.3 | .225 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Anniston 128 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ 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) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| 1AB | L 0-5% | 0-26 | mSbk C | Pr SS Sp Sap | few 4B5 | | | | P5 |
| 1 | * | 26-33 | mSbk C | Pr SS Sp Sap | 4B5 + Chroma 2 | | Many Sap | | 1.25 |
| | | 33-43 | wSbk C | Pr SS Sp Sap | | | | | max = 21" |
| | | | water in pit at 43" | | | | | | |
| | | Tube | Drip Repair Area | | ↑ | | | | |
| 1D | L | 0-16 | mAbk C | Pr SS Sp Sap | few Sap | | | | P5 |
| 2 | 5% | 16-24 | wkAbk C | Pr SS Sp Sap | com Sap | | | | .3 |
| | | 24-50 | wk Sbk/Mxcl | Pr SS Sp Sap | com Sap | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Anthony Coker Jr.
OTHER(S) PRESENT: _____