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

*Sheet 1 of 2*
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Brazos Dev. APPLICATION DATE: 3-1-12
ADDRESS: Lot 58 DATE EVALUATED:
PROPOSED FACILITY: 3 bedroom PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: .51ac
LOCATION OF SITE: Lot 58 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 | |
| AB 1 | LS 3-4% | 0-3 | Fill | | Comm Dr. Mott | 36" | | | PS .225 |
| | | 3-18 | Br. SCL WSBK | FR SS/SP | | | | | |
| | | 18-36 | R Clay SBK | FR SS/SP | | | | | |
| | | @36" | Chr. 2 | | | | | | |
| | | | | | | | | | |
| AB 2 | LS 3% | 0-3 | Br. SCL WSBK | FR SS/SP | Comm Dr. Mottles | 48" | | | PS .225 |
| | | 3- 18 | RY SClay WSBK | FR SS/SP | | | | | |
| | | 18-36 | YBr. Clay SBK | FR SS/SP | | | | | |
| | | 36-48 | R CL WSBK | FR SS/SP | | | | | |
| | | | | | | | | | |
| AB 3 | LS 3-5% | 0-3 | Br. SCL WSBK | FR SS/SP | Few Sap Incl. | 48" | | | PS .3 |
| | | 3-16 | RBr. SC WSBK | FR SS/SP | | | | | |
| | | 16-34 | R Clay SBK | FR SS/SP | | | | | |
| | | 34-48 | R CL WSBK | FR SS/SP | | | | | |
| | | | | | | | | | |
| AB 4 | LS 3-5% | 0-14 | Br. SCL WSBK | FR SS/SP | Compacted | 48" | | | PS .3 |
| | | 14-25 | R Clay SBK | FR SS/SP | | | | | |
| | | 25-48 | R Cl WSBK | FR SS/SP | Few Sap Incl. | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 900 sq. ft. | 1200 sq.ft |
| System Type(s) | 25% Reduction | 25% Reduction |
| Site LTAR | .3 | .225 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: MA&ASSOC., INC.
OTHER(S) PRESENT:

COMMENTS: Due to the soil conditions on this lot, we are proposing to install the initial system in the better soil (.3 material). The repair will be a shallow system, trench bottom approximately 18-20" in order to access the upper horizon of soil, which would keep the majority system out of soil with drainage issues.

# SOIL/SITE EVALUATION

*(Continuation Sheet)*



DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: Iredell _____

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| AB 5 | | 0-7 | Br. SCL WSBK | FR SS/SP | Comm Dr. Mottles | 48" | | | PS 0-28= .225 28-48=.3 |
| | | 7-28 | YBr. SC WSBK | FR SS/SP | | | | | |
| | | 28-48 | R Clay SBK | FR SS/SP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| PIT 1 | | 0-3 | Fill | | Comm Dr. Mottles | 36" | | | PS. .225 |
| | | 3-15 | YBr. SCL WSBK | FR SS/SP | | | | | |
| | | 15-36 | R Clay SBK | FR SS/SSP | | | | | |
| | | @36" | Chr. 2 | | | | | | |
| | | | | | | | | | |
| PIT 2 | | 0-3 | FILL | | Comm to many Dr. Mottles | 39" | | | PS.25 TO 32" |
| | | 3-18 | YBr. SCL/SC WSBK | FR SS/SP | | | | | |
| | | 18-32 | YR Clay SBK | FR SS/SP | | | | | |
| | | 32-39 | YR Clay ABK | FR SS/SP | | | | | |
| | | @39" | Chr. 2 | | | | | | |
| PIT 3 | | 0-11 | Br. SCL WSBK | FR SS/SP | | 60" | | | PS .3 |
| | | 11-33 | Red Clay SBK | FR SS/SP | | | | | |
| | | 33-60 | R Cl WSBK | FR SS/SP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| PIT 4 | | O-4 | Br. SCL WSBK | FR SS/SP | | 60" | | | PS .3 |
| | | 4-30 | R Clay SBK | FR SS/SP | | | | | |
| | | 30-60 | R Cl WSBK | FR SS/SP | | | | | |
| | | 60+ | SAP | | | | | | |
| | | | | | | | | | |

COMMENTS: Pit 1 was filled back in by contractors, we had them to re-excavate the pit.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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ON-SITE WASTEWATER SECTION

*Sheet* ____ *of* ____
PROPERTY ID #: _____
COUNTY: Iredell_____

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

OWNER: Corinthian Builders _____ APPLICATION
DATE__12/12/2007_____
ADDRESS: Oswalt Amity Rd._____ DATE EVALUATED: 12/10/2007_____
PROPOSED FACILITY: 3 bedroom Home PROPOSED DESIGN FLOW (.1949): 360 gpd___ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 58_____ PROPERTY RECORDED: _____
WATER SUPPLY: Private Public ΞWell Spring Other _____
EVALUATION METHOD: (X) Auger Boring Pit Cut TYPE OF WASTEWATER: ΞSewage Industrial Process Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L 2-5% | 0-8 | W F GR/ SL | NS, NP,FR / NEXP | >42 | >42" | NA | PS | PS .3 |
| | | 8-42 | M M SBK / C | SS, SP,FR/ SEXP | | | | | |
| 2 | L 2-5% | 0-10 | W F GR/ SL | NS, NP,FR / NEXP | 40 | >42" | NA | PS | PS .3 |
| | | 10-40 | M M SBK / C | SS, SP,FR/ SEXP | | | | | |
| | | 40-42 | M M SBK/ C | S SS, SP,FR/ SEXP | | | | | |
| 3 | Pit 1 | 0-16 | wk gr sl | fr ns np | Br | | | | .25 |
| | | 16-41 | mo sbk/sbk c | fr ss sp | Red c- [illegible] | | | | |
| | | 41-60 | wk sbk c | fr sss p | Red f-sap | | | | |
| | Pit 2 | 0-6 | wk gr sl | fr ns np | Br | | | | .3 |
| | | 6-33 | mo sbk c | fr ss sp | Red f-sap | | | | |
| | | 33-64 | wk sbk cl | fr sss p | Red c-sap | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | .3 | .3 |

OTHER FACTORS (.1946): ____PS_____
SITE CLASSIFICATION (.1948): ___PS_____
EVALUATED BY: _____FULTON/BAILEY_____
OTHER(S) PRESENT: _____

COMMENTS:_____




GRAPHIC SCALE
1" = 40'

40 0 40 80

| | |
|---|---|
| PROJECT NO. | 5-1862 |
| PROJECT MGR. | BF |
| DRAWN BY | BF |
| FIELD WORK | BF |
| SCALE | 1" = 40' |
| FILE | Y:\JOBS\5-1862 |

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S&EC

WHEATFIELDS LOT 58
CORNERMAN BUILDERS
- WHEATFIELDS LOT 58 -
IREDELL COUNTY, NORTH CAROLINA
DECEMBER 2007

SHEET TITLE:
PRELIMINARY SITE PLAN
SKETCH MAP

SHEET
1 OF 1