Department of Environment, Health and Nat Resources Division of Environmental Health On-Site Wastewater Section

Sheet: Property Lot #: File #: Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

| Comp | | |
|---|----------------|-------|
| Owner: Agge Applicant: Design Line 34000 | | |
| Owner: Ange Applicant: Design Line 3100.0 Address: Tyler Description Date Evaluated: 04/20/14 | | |
| Proposed Facility: Medical Facility Design Flow (.1949): 200 1391 | Property Size: | |
| Location of Site: Corp Asage Property Recorded: 185 | | |
| Water Supply: Property Recorded: 195 Public Individual Well | ☐ Spring | Other |
| Evaluation Method: Auger Boring Pit Cut | | |
| Type of Wastewater: Sewage Industrial Process | ☐ Mixed | |
| | | |

| P R O F I | .1940 Landscape Position/ Slope % | Horizon Depth (In.) | SOIL MORPHOLOGY .1941 | | OTHER PROFILE FACTORS | | | | |
|-----------------------|--|---------------------------|-------------------------------|------------------------------------|------------------------------------|------------------------------|-------------------------|-------------------------|----------------------------|
| L E # | | | .1941 Structure Texture | .1941 Consistence Mineralogy | .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
| 1 | L 6% | 0-80 | la si | FR 35/ 560 | | | | | PS |
| | | 20-40 | on su | KF1 3139 | 7-54271@34" | 46 | | | 0.3 |
| 2 | しじん | 0-26 | a si | M HP No | 7.542711 Q 38" | | | | PS |
| | | 76-40 | BX 3CI | K 4 5 8 5 4p | 7.542711 Q 38" | 40 | | | 0.3 |
| 3 | L 66 | 0-22 | 62 51 | A SSP Step | | | | | PS |
| | | 22-40 | OK 301 | K 11 50 56 | 7-54271 @ 34" | 40 | | | 0.3 |
| | | | | | * ×0 | | | | |
| | | | | | Set. | | | | |
| | | | | | | | | | |
| | | | | | e ^c | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Description | Initial System | Repair System | Other Factors Site Classification |
|-------------------------|-------------------|---------------|--------------------------------------|
| Available Space (.1945) | - | | Eva |
| System Type(s) | 15% Wd | 25% red | Others |
| Site LTAR | 0.3 | 0.3 | |

Other Factors (.1946):
Site Classification (.1948): Provisionally Svitable

Evaluated By: Andrew Curry, MEHS
Others Present:

COMMENTS: ____

| LANDSCAPE POSITIONS | <u>GROUP</u> | TEXTURES | . <u>1955 LTAR</u> | CONSISTENCE MOIST | WET |
|--|--------------|---|------------------------|---|--|
| R-RIDGE S-SHOULDER SLOPE L-LINEAR SLOPE FS-FOOT SLOPE | I II | S-SAND LS-LOAMY SAND SL-SANDY LOAM | 1.2 - 0.8 0.8 - 0.6 | VFR-VERY FRIABLE FR-FRIABLE FI-FIRM | NS-NON-STICKY SS-SLIGHTY STICKY S-STICKY |
| N-NOSE SLOPE H-HEAD SLOPE | 11 | L-LOAM | 0.8 - 0.8 | VFI-VERY FIRM EFI-EXTREMELY FIRM | VS-VERY STICKY NP-NON-PLASTIC |
| CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN | III | SI-SILT SIL-SILT LOAM CL-CLAY LOAM SCL-SANDY CLAY LOAM | 0.6 - 0.3 | | SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC |

STRUCTURE
SG-SINGLE GRAIN
M- MASSIVE
CR-CRUMB
GR-GRANULAR
SBK-SUBANGULAR BLOCKY
ABK-ANGULAR BLOCKY
PL-PLATY

MINERALOGY SLIGHTLY EXPANSIVE

SIC-SILTY CLAY 0.4 - 0.1

EXPANSIVE

C-CLAY SC-SANDY CLAY

ΙV

PR-PRISMATIC

Show profile locations and other site features (dimensions, references or benchmark, and North)

(3)

(1)

(2)

(1)

(3)

(4)

(5)

(6)

(7)

(7)

(8)

(9)

(9)

(1)

(1)

(1)

(1)

(1)

(2)

(1)

(2)

(3)

(4)

(5)

(6)

(6)

(7)

(7)

(7)

(8)

(9)

(9)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

Adams Soil Consulting 1676 Mitchell Road Angier, NC 27501 919-414-6761

July 22, 2016 Project # 402

Attention: Randy Youngquist-Thurow Camp Agape 1369 Tyler Dewar Lane Fuquay-Varina, NC 27526

RE: Soil/Site evaluation for proposed camp infirmary site located adjacent to Tyler Dewar Lane in Harnett County NC.

To whom it may concern,

Adams Soil Consulting completed a soils evaluation for the above parcel located at Josh Drive adjacent to HWY 401 in Fuquay-Varina, NC. The soil/site evaluation was performed using hand auger borings, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". At the time of evaluation the exact building site was not marked, but the general area was discussed with camp staff. It was determined that the soil found in the area adjacent to the proposed site was potentially suitable to accommodate a conventional septic system that could service a flow rate of at least 200 gallons/day. The proposed building foot print is approximately 36' X 36' or less. The parcel contains potential suitable soils that consist of sandy clay to clay subsoil that can support a daily loading rate of 0.3 gallons/day/ft². The suitable soils found were similar to the Cecil soil series and were provisionally suitable to a depth of 30-36 inches below the existing soil surface. A proposed gravity was physically marked on the site. If the final infirmary site is significantly different than planned or as show on the accompanying site sketch then a new or different septic system area may need to be identified. This investigation was preliminary in nature, and was not conducted at a scale for suitable for subdivision planning. The specific septic systems and loading rates for this lot will be permitted by the Harnett County Health Department. The areas for the proposed septic fields shall not be impacted by building sites, grading activities, and shall not be mechanically altered from the natural lay of the land.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

Please give me a call if you have any questions.

Sincerely,

Alex Adams

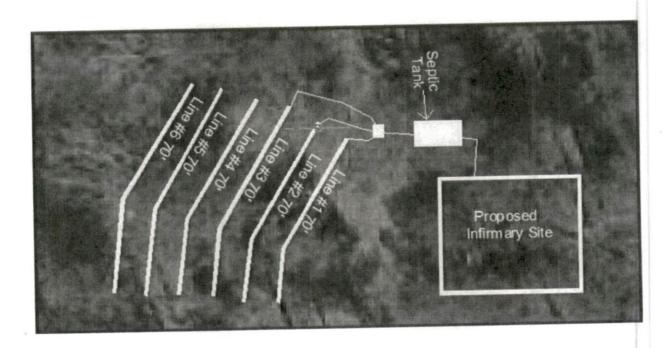
NC Licensed Soil Scientist #1247







Preliminary Soils Evaluation Camp Agape Proposed Infirmary Site (200 gallon/day flow rate) Harnett County, NC



*Not to scale - sketched from aerial photograph

System: Gravity to D-Box

Lines: 1-3 (210')

0.3 LTAR

18" Trench Bottom

Accepted Status System

Repair: Gravity to D-Box

Lines: 4-6 (210')

0.3 LTAR

18" Trench Bottom

Accepted Status System

Adams Soil Consulting 919-414-6761 Project #402

Preliminary Soils Evaluation Camp Agape Proposed Infirmary Site (200 gallon/day flow rate) Harnett County, NC

