



Michael W. Rhodes
Health Director

Brunswick County Health Department

*Post Office Box 9
Bolivia, North Carolina 28422-0009
Bolivia 253-4381 Leland 763-1312 Southport 457-5281*

February 21, 1990

Mr. Bennie Yerta
P. O. Box 940
Shallotte, NC 28459

Re: Application No: 90 / 025518

Dear Mr. Yerta:

The above application/file number refers to the site evaluation conducted on February 19, 1990 at Lot 14 on Copas Road of Leisure Subdivision in Shallotte.

The result of your evaluation indicates that the soil texture and/or structure are unsuitable due to clay content or organics less than 18" below the original soil surface; depressional areas are unsuitable due to topography; a soil wetness condition less than 12" below the naturally occurring soil surface as indicated by visible observation or soil color; and available space sufficient enough for a properly functioning system plus repair area.

If a sewage treatment and disposal system were installed the results would be: sewage backing up in the structure; contamination of the groundwater table; and/or untreated sewage discharging on the land surface, resulting in the sewage being exposed to insects, animals and humans.

Because of the severity of these limitations, this Department is not aware of any alternative measures that can be implemented to upgrade the classification from "Unsuitable" to "Provisionally Suitable". However, the State Sewage Disposal Rules do provide an additional option to you for consideration.

A site may be reclassified to provisionally suitable provided written documentation, including engineering, hydrogeologic, and soil studies indicate to the local Health Department that a proposed septic tank system or a proposed alternative system can reasonably be expected to function satisfactorily.

The substantiating data from these studies must indicate that:

- A. The effluent (sewage) will receive adequate treatment.
- B. The effluent (sewage) will not contaminate any drinking water supply, ground water used for drinking or any surface water.
- C. The effluent (sewage) will not be exposed to the ground surface or be discharged to surface waters where it could come into contact with people, animals or vectors.

Upon request, this Department will supply additional guidelines on the type of "Substantiating Data" which must be submitted, but cannot conduct the actual engineering hydrogeologic or soil studies required. This is the responsibility of the owner, developer or contractor. A list of engineers and consultants is available upon request, but the list does not constitute approval of the consultant's performance.

If you would like to meet us on your site to discuss the evaluation, and discuss the information in this letter, please call between 8:30 a.m. and 9:00 a.m., Monday through Friday for an appointment, and we will be happy to meet you on the site.

In conclusion, you have the right of an Appeal, either formally or informally. Informal appeals or a 2nd opinion can be requested of the Brunswick County Health Department and at that time a review of the findings will be made by the Supervisor and the Environmental Health Specialist who conducted the initial site evaluation. The County Soil Scientist may also assist our Department in this informal appeal. Formal appeals concerning the interpretation and enforcement of the Sewage Treatment and Disposal Rules and Regulations shall be made by sending written petition to the Office of Administrative Hearing, P.O. Drawer 11666, Raleigh, NC 27604, within sixty (60) days of this notice. All appeals are to be conducted in accordance with G.S. 150B-23(A). A copy of a petition form will be provided to you if requested.

If you have any additional questions or comments, you are encouraged to call or write this Department.

Leland 763-1312 Southport & Oak Island 457-5281 Bolivia & Shallotte 253-4381

Sincerely,

Nancy S. Marley
Nancy Marley
Environmental Health Specialist

Enclosure

1957C
(02/06/90)

BRUNSWICK COUNTY HEALTH DEPARTMENT

DATE REC: 1-31-90
YEARTA BENNIE

P.I.N.:

35.00 2140004415

FILE NO.: 90 / 25518

REC. FROM: PO BOX 940 ADDRESS: SHALLOTTE CITY: NC STATE: TAX PARCEL: 28459 PHONE: 919754-9631
 AMT. PD: 35.00 SUBDIVISION: LEISURE ACRES LOT: 14 BLK: SEC: COPAS RD TURN LEFT P

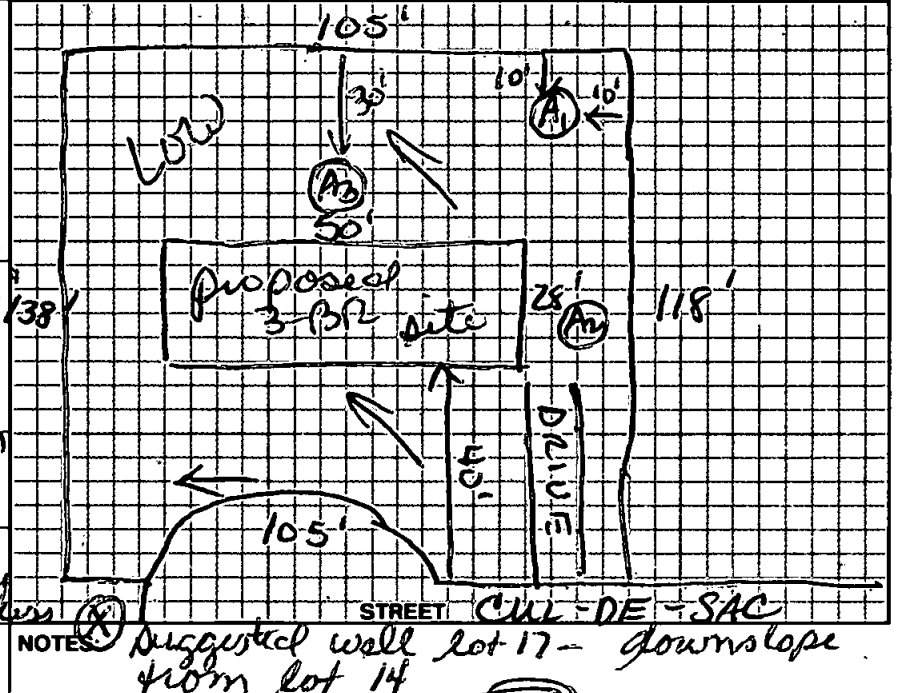
CURRENT PROPERTY OWNER: YEARTA BENNIE
 PROPERTY LOCATED. TOWN/CITY/AREA/ SHALLOTTE DIRECTIONS TO PROPERTY: COPAS RD TURN LEFT P
 PROPERTY IS 2/10 MILE DOWN ON RIGHT

SITE EVALUATION REPORT

Diagram

FACTORS	A2	A3
1) Slope/landscape position	PS U	U
2) A. Soil Texture	I II III IV	I II III IV
B. Soil Structure	S PS U	U
3) Soil Drainage (Wetness)	S PS U	U
4) Soil Depth	S PS U	U
5) Restrictive Horizon	S PS U	U
6) Available Space	S PS U	U

SWC 12" Soil Description	SWC 24" Soil Description	SWC 12" Soil Description
Area A1	Area A2	Area A3
0-6 dk loamy sand	0-12 gray sand	0-6 dk gn. s. sand
6-10 gray/bn. mottled clay loam	12-24 dk bn to y-bn s. sand	6-8 y/bn mott. loam
10-36 gray structureless clay - sandy	24-30 y-bn s. loam mott 26"	8- gray mott. clay structureless
C Horizon clay	30-42+ gray mott. s. clay massive 36"	12"



Over all site classification: Suitable Provisionally suitable Unsuitable
 See diagram above for location of soil borings and area location.
 Evaluated by: Nancy S. Maulny Title: ST Date: 2/9/90
 Re-evaluated by: _____ Date: _____ Reclassification: S PS U
 NOTES: Site/soil limitations too severe to overcome
 Date Mailed: 2/13/90
 Reclassification Code _____ Drainage _____ Fill _____ Alternative System _____ Other _____ SEE REVERSE SIDE OR ATTACHED

Improvement Permit/ Certificate of Completion/Operation Permit Existing System Repair Permit/File No. 90 / 25518

G.S. CHAPTER 130A ARTICLE 11, G.S. 130 A-333 et. Sec.

Permitted for: H _____ MH _____ Bus _____ Multi-Family _____ Trench Bottom Area () ft² Trench bottom no deeper than: ()"

No. Units _____ No. Bedrooms _____ Size of Tank _____

No. Lines _____ Length ea. _____ Trench width _____

Water Supply: Private _____ Public _____

NOTE: ANY CHANGES IN THE NATURE AND VOLUME OF SEWAGE OR CHANGE IN LOCATION OF STRUCTURE WILL VOID PERMIT.
 IMPROVEMENT PERMIT VOID 36 MONTHS FROM DATE OF ISSUANCE.
 IMPROVEMENT PERMIT DATE: _____

Conditions: _____

By: _____ SAN.

Permit Not Valid Unless Signed by Authorized Agent/Sanitarian

This permit not to be altered except by authority of Health Department.
 Installed by: _____ Certificate of Completion/Operation Permit Approved by: _____ SAN.
 NOTE: See important information on reverse side. (Permit Not Valid Unless Signed by Authorized Agent/Sanitarian) Date: _____
 Comments/ Conditions: _____

BCHD 04/88

DATE: 2/13/90

APPLICATION NO: 90/25518

Dear Mr. Yearta:

A Site evaluation was conducted on that property described in Improvement Permit Application above on 2/9/90. This evaluation was conducted in accordance with applicable rules and regulations as specified in the North Carolina Sewage Rules and Regulations.

The site has been classified as unsuitable due to: topography, soil structure, soil wetness, space

The Rules and Regulations Section(s) # 1940, 41, 42, 43 require(s) that: depressional areas are unsuitable; structural soil are unsuitable; SWC must be at least 36" from ground surface; there must be sufficient space for a properly functioning system plus

repair of the system to treat and dispose of the wastewater, for which repair would be costly or impossible is a certainty.

However, the Rules and Regulations allow for certain modifications or alternatives to be made to reclassify the site from unsuitable to provisionally suitable. (See checked section below.)

() **Drainage:** under the conditions of the Sewage Rules and Regulations, drainage may be installed to lower the seasonally high water table and/or overcome surface water drainage problems due to "landscape position". For ground water lowering purposes, a suitable outlet must be obtained and accessible to the site. A proposed drainage plan must be submitted for review showing such things as elevation of the outlet; type of drainage, (subsurface tile or open ditches); and location of drainage system in relationship to the lot or site. **NOTE: If soil texture, structure, or restrictive horizons are present, the drainage will need to be monitored during the wet season to determine its effectiveness.**

() **Use of Fill:** Areal fill must be installed such that there is a minimum separation of "two feet" between the trench bottom and any soil horizon with unsuitable soil characteristics. In such area fill sites, the soil used and the areal extent of fill shall be approved by this department prior to the installation. This fill shall have a sandy, loamy sand, loam or sandy loam texture. There shall be a mix of the fill soil and the original soil at the interface of the two soils. Submit a plot plan showing the areal extent of the fill and fill depth for review prior to when the modification work is started.

(X) Site and/or soil limitations are too severe to overcome except under the provisions listed on "attached letter".
1957 C

(X) Other Alternatives: Combine with another lot; fill will be required

NOTE: The design, construction, operation, and maintenance of sewage, treatment, and disposal system shall be the responsibility of the designer, owner, developer, installer or user of the system as applicable and any design submitted for review is subject to the approval based on any applicable Sewage, Collection, Treatment and Disposal Rules or Regulations.

If you have any questions or would like to meet the Sanitarian on site to discuss these modifications, please call between 8:30 a.m. and 9:30 a.m. from Monday thru Friday or write the Department.

BRUNSWICK COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SECTION
P.O. Box 9
BOLIVIA, NC 28422-0009

(919) 763-1312 Leland
457-5281 Southport/Oak Island
253-4381 All other areas

SIGN Nancy S. Marley

IMPROVEMENT PERMIT INFORMATION

Sewage Treatment and Disposal Systems must be installed in accordance with all applicable laws, rules and regulations.

The sewage system shall not be located under paved areas or driveways.

The sewage system shall not be located closer than;

- 100' from any water supply* (no less than 50' with certain conditions)
- 10' from any water line
- 5' from any building foundation
- 10' from any property line** (no less than 5'-lots of record as of 7/1/77)
- () other specify _____

Any change in location of the sewage system must be approved by the Health Dept. prior to installation.

Call for an inspection upon completion between 8:30 a.m. and 9:30 a.m., Monday thru Friday.