Date Received 7 Aug 1984

SIR No. [redacted] 21285

P. O T. C. No. 005-131-08

Map Date L

Bill Marlin
376-4603

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Carpenius Center Associates
(LAST, FIRST, MIDDLE)

2) ADDRESS OF OWNER 125 Scaleybark Rd, Charlotte, N.C. ZIP 28209

3) PHONE NO. Home 455-6251 Office 523-8111 + 455-9326

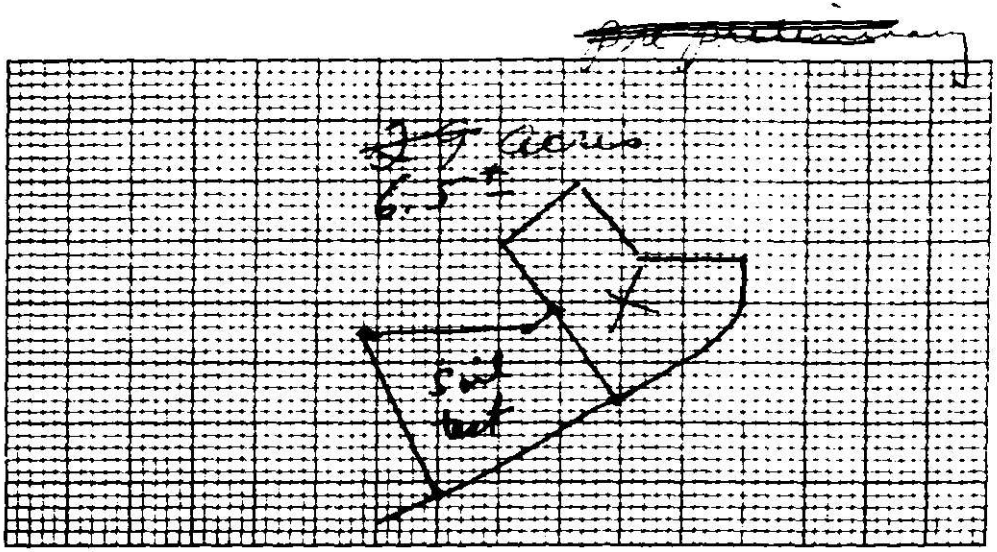
4) LOCATION OF PROPERTY I 77 + Hwy 73
(STREET OR COUNTY ROAD)

~~5) SUB~~DIVISION — LOT NO — BLOCK NO. —

MAP BOOK NO — PAGE NO —

~~6) D~~EED REFERENCE DEED BOOK — PAGE NO —

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and an on site inspection of the lot hereinabove described for the purpose of determining if the lot is suitable for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge



7) ACCURATELY DIAGRAM & DIMENSION LOT

OWNER

EHD-5-76

Environmental Health Department's Copy

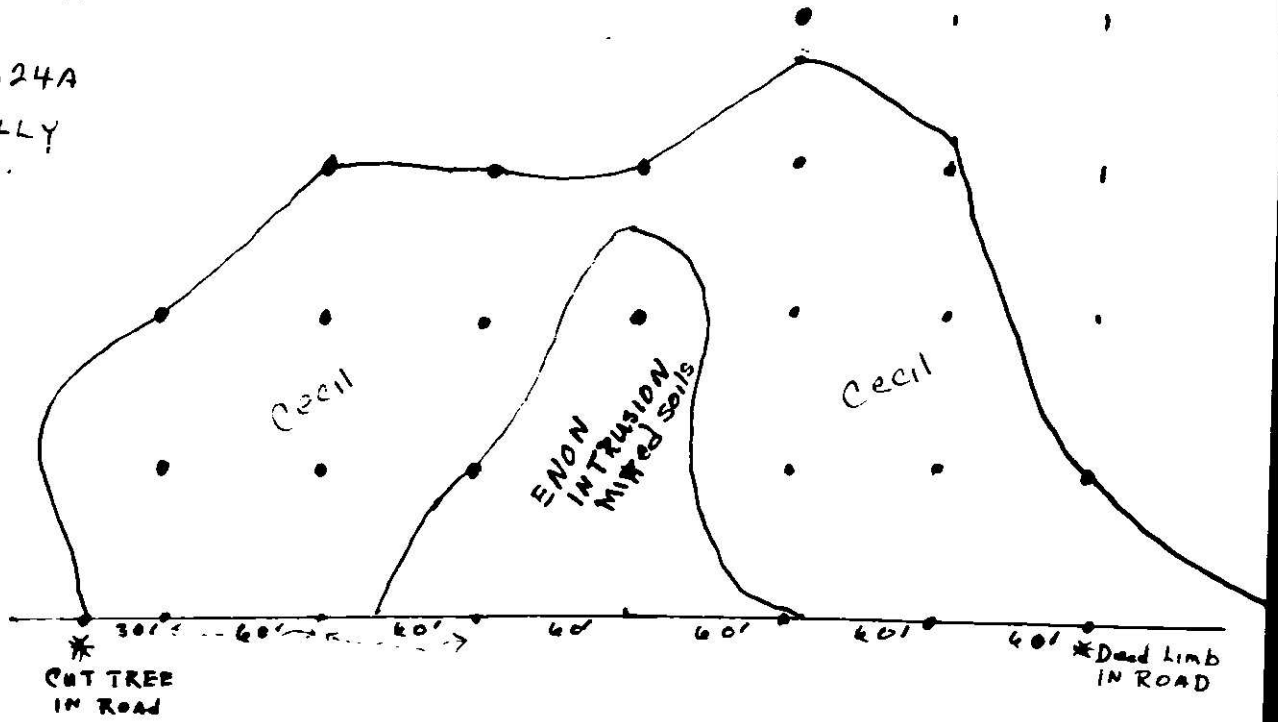
1200

BDH
8/29/84

☐ UNSUITABLE

☐ PROVISIONALLY SUITABLE

53,760 ± = 1.24A
OF PROVISIONALLY
SUITABLE SOILS.



(2.4)

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 BLYTHE BOULEVARD
CHARLOTTE NORTH CAROLINA 28203

August 31, 1984

Larry D. Almond
Route 2, Box 282
Midland, NC 28107

Reference: Property located at Tax Parcel No. 005-131-08

Dear Mr. Almond:

Receipt of the Application For An Improvement Permit, dated August 29, 1984, for the above referenced property, is hereby acknowledged. I am also in possession of the daily water usage figures you provided to John Adkisson.

As I understand, the proposed construction would include a grocery store with meat market, a drugstore, a fast food restaurant, seven shops employing four (4) persons each and a barber shop with three chairs. Based upon State standards regarding sewage flow, and the data submitted by you, an expected effluent flow rate of 6275 gallons per day would result from these establishments. Assuming a system to receive such a flow was located in provisionally suitable soil a total of 7000 linear feet of drainfield would be required. This would require an area of approximately 62,400 square feet for the original installation. In addition, an equivalent area of provisionally suitable soil would need to be set aside for future repairs bringing the total area required to 124,800 square feet. Mr. Ramsey has determined that there is approximately 53,760 square feet of provisionally suitable soil in the area proposed for the septic system. As this area is inadequate for even the original system, this department would be unable to issue any permits or approvals for the proposed construction.

In accordance with our conversation of August 29, 1984, we would suggest that inquiries be made to the Charlotte-Mecklenburg Utilities Department for possible connection to the municipal sewer system or to the Department of Natural Resources and Community Development to assess the feasibility of constructing a package treatment plant to treat the effluent prior to discharging to a stream.

If there are any questions concerning this matter, please feel free to contact me.

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor
On Premises Waste Disposal Section

BDH/kbg

SIR 21285

In conclusion, it is my opinion that your department has correctly classified the site unsuitable for its proposed use and would recommend the developers continue in their efforts to connect to the county sewer system. I would also recommend they explore with the N. C. Division of Environmental Management the use of a surface water or land surface discharge system.

If I can be of further service to you, please let me know.

Sincerely,

Dean Harrillson

Dean Harrill, R.S.

MDH/dgh

cc: Joel Cawthorn
Steve Steinbeck

SIR 21285

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
WESTERN REGIONAL OFFICE
Building 3
Black Mountain, N.C. 28711
(704) 669-3349

September 26, 1984

Mr. Bill Hardister, Jr., R.S.
Environmental Health Supervisor
Mecklenburg Environmental Health
1200 Blythe Blvd.
Charlotte, NC 28203

Dear Bill:

On September 11, 1984, I met with you and Mr. W. B. Ramsey of your department to evaluate a 29-acre site for a proposed shopping center near Cornelius. We were also accompanied by Messrs. Almond and McLamb who propose to build the center.

According to their application information the total estimated flow would be 6275 gallons per day. Our effort was to determine if a ground absorption treatment and disposal system could be utilized on the site.

Prior to my visit Mr. Ramsey had spent quite some time evaluating the site and concluded that the site was unsuitable for the proposed system. The problem being a very limited area of provisionally suitable soil that could be utilized for a ground absorption system. Mr. Ramsey had very effectively platted the area of usable soil and estimated the size of this area to be approximately 53,760 square feet.

Messrs. Almond and McLamb's main objective in asking me to look at the site was to look at the remainder of the property and determine its suitability for their proposal. Therefore, we spent the major portion of our time doing that by augering several holes using the back property line and the small stream in front as reference points.

In my opinion, there is no other area of provisionally suitable soil on the property. The remaining area consists of soils which are in some cases shallow in depth and in most all cases characterized by poor internal drainage. Severe drainage mottles were characteristic at varying depths some evidenced in the topsoil or surface layer. As you know, these mottles are indications of very poorly drained soils and unsuitable for ground absorption systems at that depth. As a matter of fact, we are required to have at least twelve inches of usable soil between any indications of drainage problems (mottles) and the bottom of the trenches being used for the system.

It is most unfortunate, but these type problems were consistent throughout the property.

Date Received 9-12-84

RECEIVED
SEP 12 1984
ENVIRONMENTAL HEALTH

ICAR (S) Application No. 21285

T. C. No. 005-131-08

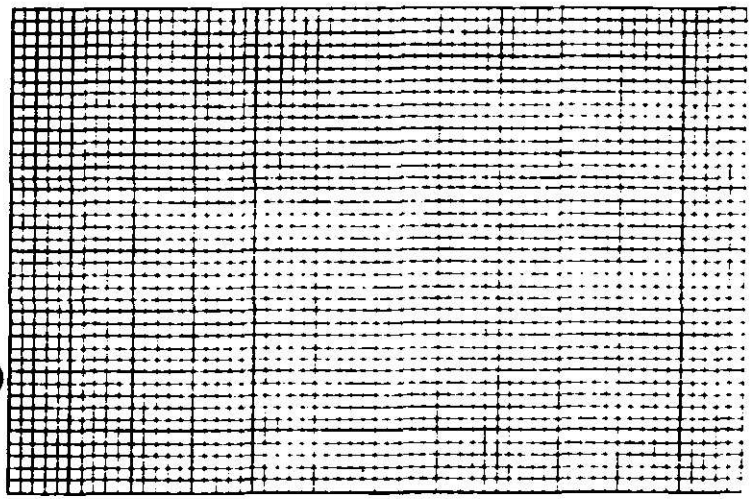
Map Date L

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Application for an
Installation, Construction, Alteration, and/or Repair Permit
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

The owner of that property described hereinafter hereby applies to the Mecklenburg County Department of Environmental Health for a permit to

1) ___ Install or Construct 2) ___ Alter or Repair an individual septic tank wastewater treatment system with a subsurface soil absorption, effluent discharge



3) PLOT PLAN (ACCURATELY DIMENSIONED)

Mobile Home ___ Yes L No
Residence ___ Yes L No
4) No of Bedrooms ___
5) Business Use ___ Max No. Employees 6225 Gal/Day
6) Washing Machine ___ Yes L No
7) Garbage Disposal ___ Yes L No
8) Dishwasher ___ Yes L No
9) Water Supply
A) Individual Well ___
B) Governmental System L
C) Community System
1) Well source ___
2) Governmental source ___
10) Sewage System
House located within 200 feet of public sewer ___ Yes L No
House located within 200 feet of community sewer ___ Yes L No
11) FHA Case No ___
12) VA Case No ___

13) NAME OF OWNER Cornelius (LAST) Carter (FIRST) Hoke (MIDDLE)

14) ADDRESS OF OWNER Rt 2, Box 282, Midland NC 28107

15) PHONE NO. Home 455-6251 Office 455-5326

16) LOCATION OF SYSTEM ___ (STREET OR COUNTY ROAD)

17) SUBDIVISION ___ Lot No ___ Block No. ___

Map Book No. ___ Page No. ___

18) DEED REFERENCE — DEED BOOK ___ AT PAGE ___

19) HAS A SOIL INVESTIGATION BEEN RUN? ___ YES ___ NO DATE RUN ___

20) PTR NUMBER (See Instructions) ___

The undersigned person hereby agrees that he has read the foregoing application and that the contents of same are true. It is understood that any permit applied for herein shall be void and of no effect if any of the above facts are not true.

9/29/84
DATE OF APPLICATION

Cornelius Carter Hoke
OWNER

BMB-5-76

Environmental Health Department's Copy

APPLICATION FOR AN IMPROVEMENT PERMIT

L

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH ·

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)
FILE: 21285
TC: 005-131-08

JOB LOCATION

① ADDRESS: Hwy 73 & I 77 (STREET NO / STREET) ② FILE:
③ CITY: Cornelius ④ TAX PARCEL NO.: 005-131-08
⑤ SUBDIVISION: ⑥ LOT: ⑦ BLOCK:

OWNER

⑧ NAME: Cornelius Center Associates (FIRST / MIDDLE / LAST)
⑨ MAILING ADDRESS: 125 Scaleybark Rd
⑩ CITY: Charlotte ⑪ STATE: N.C. ⑫ ZIP: 28209
⑬ PHONE: (WORK) Larry Almond 455-9236 ⑭ (HOME) Larry Almond 455-6251

REQUEST

This request is for a(n):

⑮ ☑ New installation permit
⑯ ☐ Repair or alteration permit
⑰ ☐ Authorization for mobile home exchange
⑱ ☐ Other (specify)

DESIGN CRITERIA

System will serve:

⑲ ☐ Residence ⑳ ☐ Mobile home
㉑ ☑ Business or place of public assembly
㉒ Number of bedrooms?
㉓ Maximum occupancy?
㉔ Basement? ☐ yes ☐ no
㉕ Type? Wendy's Restaurant
㉖ Maximum number of employees? 12
㉗ Maximum number of seats? 127

See Attachment

WATER SUPPLY

㉙ Water supply from (present or proposed):

A ☐ Individual well
B ☑ Municipal system
C ☐ Community well
D ☐ Community system

㉚ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed:
Date: 4/16/85

㉘ Accurately dimensioned plot

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY

File 21285

Almond Enterprises

Rt. 2 Box 282 • Midland, N.C. 28107 • (704) 455-9326

MECK COUNTY DEPARTMENT OF
RECEIVED
MAY 15 1985
ENVIRONMENTAL HEALTH

May 14, 1985

Mr. Bill D. Hardister, Jr.
Environmental Health Supervisor
Mecklenburg County
Department of Environmental Health
1200 Blythe Boulevard
Charlotte, North Carolina 28203

Re: Septic Tank/ Wendy's Cornelius Center Association

Dear Mr. Hardister,

The Wenar Company, a franchisee of Wendy's Restaurants, has identified the Wendy's at 6018 East Independence Boulevard, Charlotte, North Carolina, as the store that will be similar in design and use to the one we plan to construct at Interstate 77 and Highway 73.

If you need any additional information, please contact me.

Sincerely,

Larry D. Almond

Larry D. Almond

LDA/ast

MSH
6/6/85
Wendy's Cornelius

Low Pressure Pipe System

Cecil Soil - use 0.13 GPD/SF

No. Seats - 127

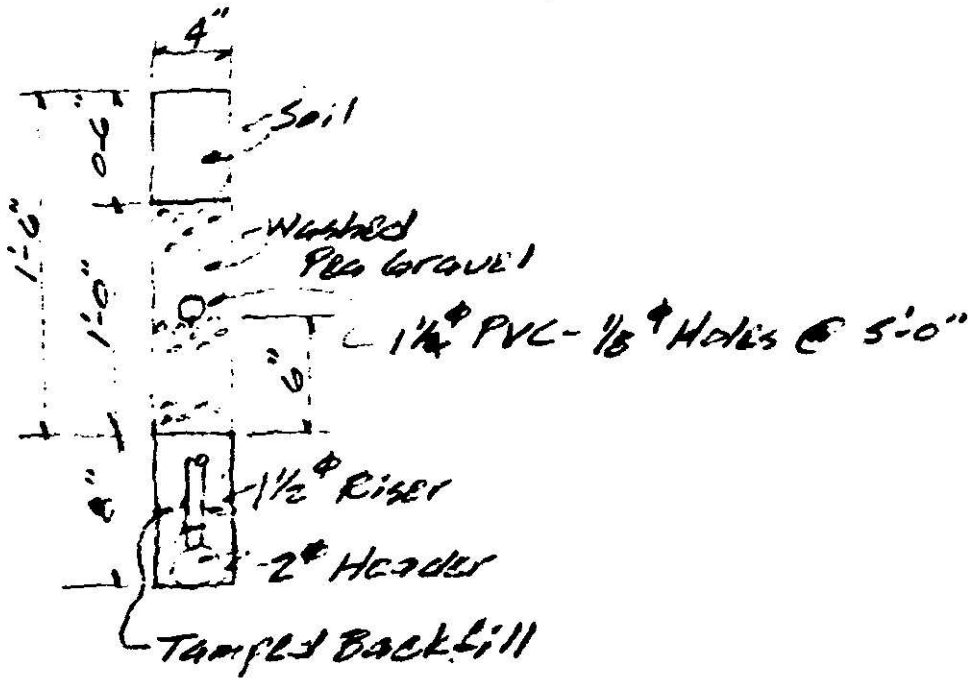
Wendy's Ind. Bldg., uses 2,359 - 3,709 GPD ave.
For month of May - 2,228 GPD ave.

Design assumption - 4,000 GPD

Area = 4,000/0.13 = 30,769 SF = 0.71 Acres

Cecil soil available = 1.52 Acres = 66,425 SF

Pressure Lines - 30,769/5 = 6,160'



Section Through Distribution Line

MSH
6/10/85
Wendy's Cornelius

Pumping

5/32" Holes, 1' Pressure Head = 0.29 GPM/Hole

No. Holes = 6,160/6.5 Max. Space = 948

Flow = 948 x 0.29 = 275 GPM

Use two fields; alternate flow to fields with two 140 GPM pumps.

Assume 3 doses/day/field:
Pump Rate = 2 x 140 GPM = 280 GPM
Pump Cycle = 4,000/3 x 280 = 5 minutes

NJSN
4/7/85
Wendy's Cornelius

Septic Tank

Use Tindall 10×20×5 Vault

Required Storage - One day's flow = 4,000 Gal.

With 1'-0" Freeboard: Vol. = 10×20×4×7.48 = 5,980 Gals.

Dosing Tank

Use Tindall 10×20×6 Vault

Rigid. Storage - Two day's flow = 8,000 Gals.

0'-6" Freeboard: Vol. = 10×20×5.5×7.48 = 8,228 Gals.