Date Received 14 June 84

RECEIVED
JUN 15 1984
ENVIRONMENTAL HEALTH

SIR No. 10284

T. C. No 001-102-02, 04

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Copeland (LAST) Donald (FIRST) L. (MIDDLE)

2) ADDRESS OF OWNER RT 4 Box 907 Huntersville, N.C. ZIP 28078

3) PHONE NO Home 892-8340 Office 663-7599

4) LOCATION OF PROPERTY N.C. 73 E Bethel Church Rd. (STREET OR COUNTY ROAD)

5) SUBDIVISION _____ LOT NO _____ BLOCK NO _____

MAP BOOK NO _____ PAGE NO _____

6) DEED REFERENCE DEED BOOK 4563 PAGE NO 0551 - 0555

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and 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

D. L. Copeland Jr. MD
OWNER

EHD-5-76

Environmental Health Department's Copy

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

SITE INVESTIGATION REPORT
INDIVIDUAL SEPTIC TANK SYSTEM
WITH SUBSURFACE,
SOIL ABSORPTION,
EFFLUENT DISCHARGE

S.I.R. # 18784

T.C. # PO 001-102-32.04

DATE 6-15-82

NAME OF OWNER Copland, Donald L.

ADDRESS OF OWNER Rt. 4, Box 907, Huntersville, NC 28078

LOCATION OF LOT Bethel Church Road & Hwy. 73

As determined under the Rules and Regulations promulgated by the Commission for Health Services, Division of Health Services, North Carolina Department of Human Resources, Raleigh, North Carolina, the soils on the lot described above were found to be unsuitable for the installation of an individual septic tank - soil absorption system, due to the following reason:

SOIL STRUCTURE (fill compacted)	UNSUITABLE
SOIL DEPTH (less than 48 inches)	UNSUITABLE
RESTRICTIVE HORIZONS 18"-30")	UNSUITABLE
SOIL PERMEABILITY (slow)	UNSUITABLE

Mike Sexton

Michael A. Sexton, Environmentalist
On Premises Waste Disposal Section

NORTH CAROLINA
DEPARTMENT OF HUMAN
DIVISION OF HEALTH SERVICES
RALEIGH, NORTH CAROLINA

APPENDIX H
SITE EVALUATION

S.I.R. NO. 18204
T.C. NO. H 84-102-0204

(Ground Absorption Sewage Disposal)

OWNER: Donald J. Copeland
ADDRESS: Rt. 4, Box 90-J
COUNTY: Huntersville, N.C. 28078
LOCATION OF SITE: Bethel Church Rd

DATE REQUESTED:
PLAT NO:
LOT SIZE: Approx 50,000 sq. Ft. / acre

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 2-8% U	S PS U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2:1 Clay)	S PS clay U	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS Fill compacted U	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	S Land disturbed PS soil U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S 18-30" PS Fill compacted U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S 7-10 ft to ground water PS U	S PS U	S PS U	S PS U
7. SOIL PERMEABILITY (Percolation rate)	S PS slow U	S PS U	S PS U	S PS U
8. OTHER (Specify)	S PS Area may be limited U	S PS U	S PS U	S PS U
9. SITE CLASSIFICATION	unsuitable			
10. SOIL SERIES	Fill over Cecil			

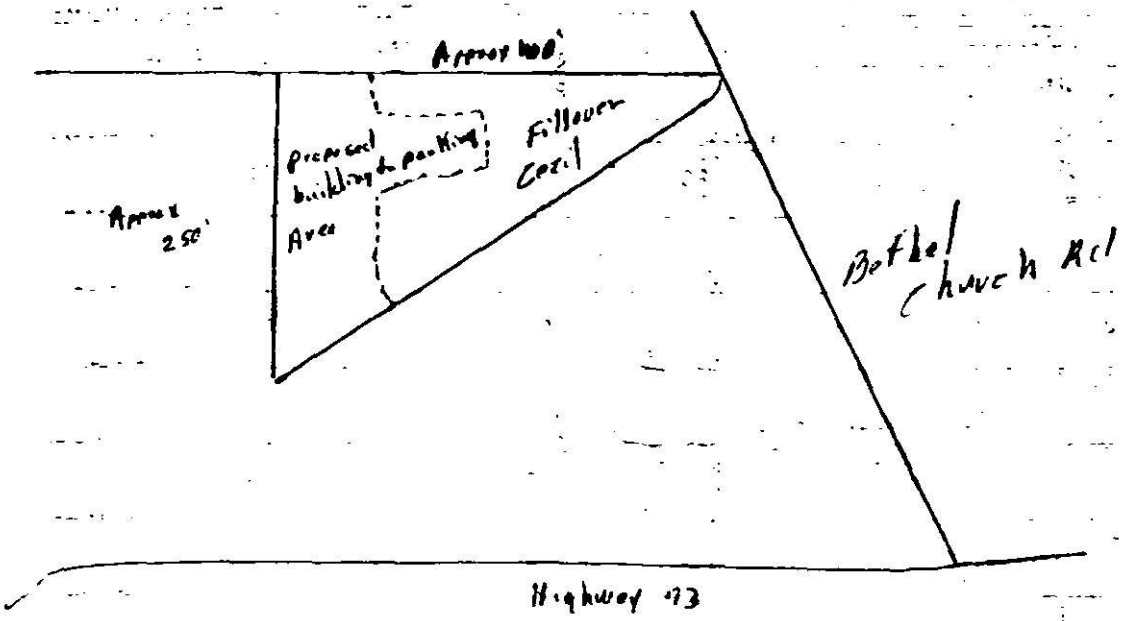
S - Suitable PS - Provisionally Suitable U - Unsuitable

**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slope)

Recommendations/Comments:

Described By: William R. Martin
Title: Soil Scientist
Date: 6-14-82

DHS Form 2601
Sanitation
EHD 539 (3/82)


Approx 100'
Proposed building & parking Area
Approx 250'
Fellowes Creek
Bethel Church Rd
Highway 13

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 18784

T.C. NO. A0001-B202,04

(Ground Absorption Sewage Disposal)

OWNER: Donald L. Copeland
ADDRESS: Rt. 4, Box 207, Huntersville, N.C. 28078
PLAT NO:
LOT SIZE: Approx 3400 sq. ft.
LOCATION OF SITE: Beckel Church Road & Highway 73

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	(S) PS U 2-6%	S PS U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) Clay U	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S (PS) Blocky U	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	(S) PS U 36-48"	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	(S) PS None U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	(S) >6' to ground PS water U	S PS U	S PS U	S PS U
7. OTHER (Specify)	S Limited PS Area U See Note	S PS U	S PS U	S PS U
8. SOIL GROUP	IC A			
9. SITE CLASSIFICATION	provisionally Suitable			
10. SOIL SERIES	Cec. I			

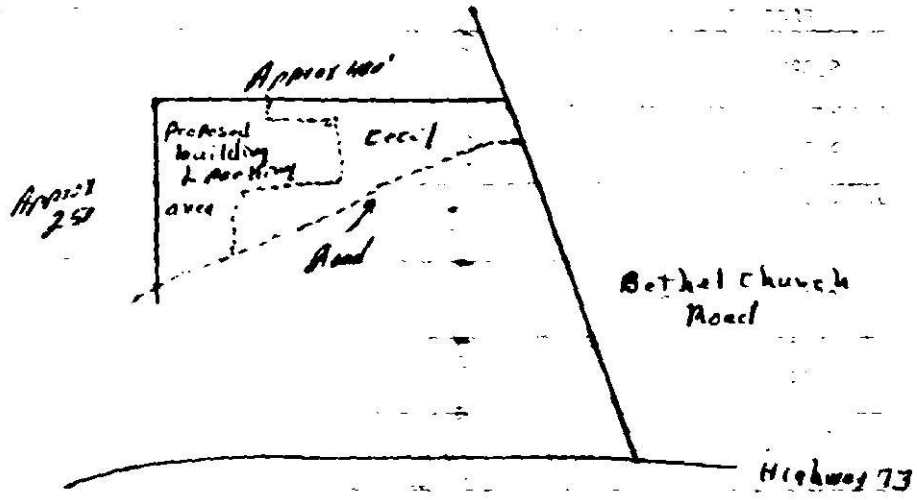
S - Suitable PS - Provisionally Suitable U - Unsuitable

**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: Limited Area- Plans need to be submitted & checked before permit is issued

Described by: William R. Martin
Title: Soil Scientist
Date: 7-30-82

EHD 539 (Revised: 6/82)


Approx 400'
Proposed building & parking area
Approx 250'
Pond
Bethel church Road
Highway 73

Serial No. 4641

PTR No. 18784

Date Issued August 2, 1982

T C No. 001-102-02,04

Map Date

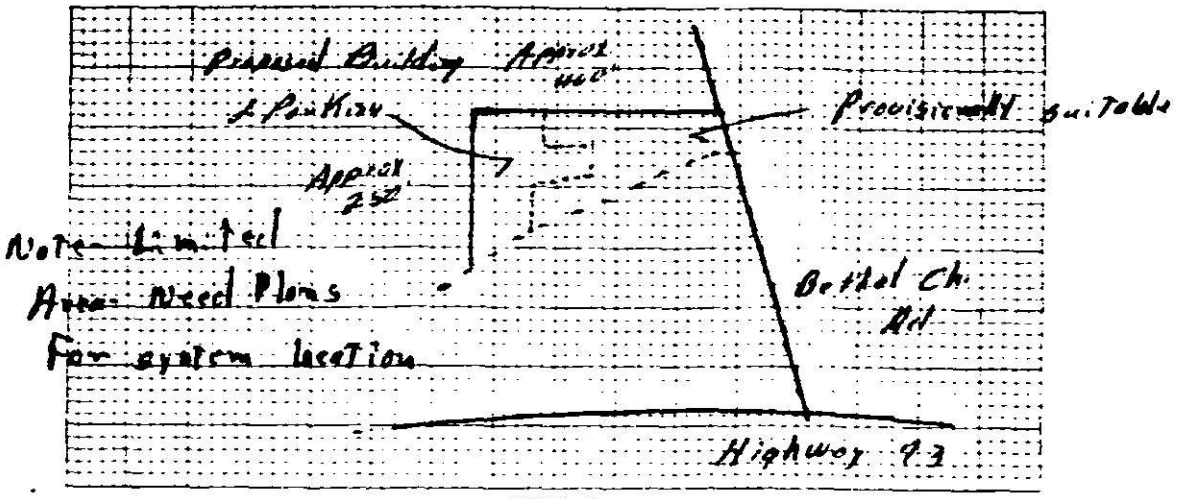
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER Copland (LAST) Donald (FIRST) L. (MIDDLE)

ADDRESS OF OWNER Rt. 4, Box 907, Huntersville, N. C. ZIP 28078

LOCATION OF PROPERTY Bethel Church Road and Highway 73 (STREET OR COUNTY ROAD)

SUBDIVISION LOT NO BLOCK NO



PLOT PLAN

This is to certify that [illegible] and in the manner [illegible] by the Mecklenburg County Department of Environmental Health [illegible] on that part of the [illegible] The permeability [illegible] Provisionally Suitable The soil [illegible] for the installation of an individual [illegible] subsurface, soil absorption effluent disposal subject to the following terms and conditions:

1. A [illegible] by the Mecklenburg County Department of Environmental Health [illegible] the Authorized Agent [illegible]
2. The [illegible] by the Mecklenburg County Department of Environmental Health [illegible]
3. This [illegible]
4. The [illegible]

This approval is granted based on the laws of the State of North Carolina and the rules and regulations of the North Carolina Department of Human Resources, Division of Health Services and the Mecklenburg County Health Commission in effect on the date of issuance and should not any time in the future prior to completion of the system, these laws, rules and regulations are changed such that this approval would not have been granted had the new laws, rules and regulations been in effect on the issue date.

William H. Martin
Soil Scientist

Environmental Health Director or Authorized Section Head

EHD-S-76

Environmental Health Department's Copy

Date Received 8-20-82 ICAR(S) Application No. 18784

T. C. No 001-102-02, 04

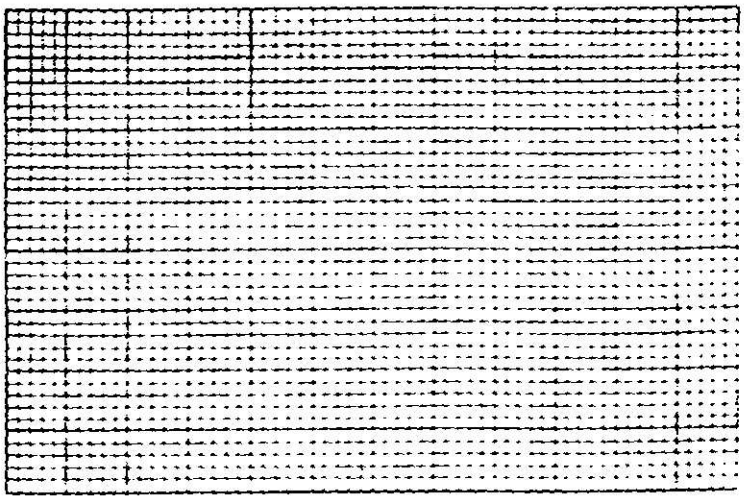
Map Date

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 ✓ No
Residence ___ Yes ✓ No

4) No of Bedrooms ___
5) Business Use — Max No DAYCARE Employees 30 & CHILDREN 80
6) Washing Machine ✓ Yes ___ No
7) Garbage Disposal ✓ Yes ___ No
8) Dishwasher ✓ Yes ___ No
9) Water Supply
A) Individual Well ✓
B) Governmental System ___
C) Community System
1) Well source ___
2) Governmental source ___
10) Sewage System
House located within 200 feet of public sewer ___ Yes ✓ No
House located within 200 feet of community sewer ___ Yes ✓ No
11) FHA Case No ___
12) VA Case No ___

13) NAME OF OWNER ~~[illegible]~~ KEID (LAST) DAVID (FIRST) HAROLD (MIDDLE)

14) ADDRESS OF OWNER 15721 SCHRIVER DR HUNTERSVILLE N.C. 28078

15) PHONE NO Home 875-2771 Office 333-7784

16) LOCATION OF SYSTEM [illegible] (STREET OR COUNTY ROAD)

17) SUBDIVISION ___ Lot No. ___ Block No ___

Map Book No ___ Page No ___

18) DEED REFERENCE — DEED BOOK 4563 AT PAGE 0551-0555

19) HAS A SOIL INVESTIGATION BEEN RUN? ✓ YES ___ NO DATE RUN 7-30-82

20) PTR NUMBER (See Instructions) 15764

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.

8-20-82
DATE OF APPLICATION

OWNER

END-5-76

FILL SYSTEM - LAKE NORMAN.

80 PEOPLE X 15 GAL/PERSON = 1200 GAL.

~~V = .75(1200) + 1,125 = 900 + 1,125 = 2025 GAL TANK~~

V = 1.17(1200) + 500 = 1404 + 500 = 1904

USE 2,000 GAL TANK GOOD FOR
2,000 - 500 = 1500 ; 1500/1.17 = 1282 = 81 PEOPLE X 15.

USE .4 GPD/FT²

$\frac{12.82 \text{ GPD FT}^2}{.4 \text{ GPD}} = 3205 \text{ FT}^2$ $\frac{3205 \text{ FT}^2}{3 \text{ FT}} = 1068 \text{ FT}$

USE 1,100 FT OF LINE 4" ϕ LINE

AREA 4" = $\frac{3.1416 \times 4 \text{ in}^2}{144 \text{ in}^2} \text{ FT}^2 = .087267 \text{ FT}^2$

.087267 FT² X 1,100 FT = 96 FT³

DOSE = 60% TO 75% OF FIELD. USE 66⅔% AS AVE.

.66⅔ X 96 FT³ = 64 FT³ / DOSE

TRY TANK 13' LONG, 5 PASS WITH 17" DRAFT.

WIDTH = $\frac{64 \text{ FT}^3}{13 \text{ FT} \times 1\frac{17}{12} \text{ FT}} = 3.475 \text{ FT} = 3' - 5\frac{3}{4}"$

TRY 75% OF FIELD = 72 FT³

$\frac{72}{64} \times 3.475 = 3.797 \text{ FT} = 3' - 10\frac{7}{8}"$

USE WIDTH OF 4'-0" TO COMPENSATE FOR DISTRIBUTION MAIN.

P. C. Wilder P.E.

AUG. 10, 1982.

NORTH CAROLINA PROFESSIONAL 3504 ENGINEER STEPHEN CHARLES WILDER, JR.

Date Issued 8-23-82

Serial No. 5857

LA No. 18784

T C No. 001-102-02.04

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

TO THE BUILDING INSPECTION DEPARTMENT

APPROVAL OF LOT FOR INSTALLATION OF AN INDIVIDUAL SEPTIC TANK WITH SUBSURFACE, SOIL ABSORPTION, EFFLUENT DISCHARGE

NAME OF OWNER Reid, (LAST) David (FIRST) Harold (MIDDLE)

ADDRESS OF OWNER 15921 Cramur Dr., Huntersville, NC ZIP 28078

LOCATION OF LOT 19619 Highway 73 (STREET OR COUNTY ROAD)

SUBDIVISION _____ LOT NO _____ BLOCK NO _____

MAP BOOK NO _____ PAGE NO _____

The above specified lot is approved by the Mecklenburg County Department of Environmental Health for the installation of an individual septic tank system with subsurface, soil absorption, effluent discharge based on the soil investigation and on an on site inspection of the said lot, and upon the information supplied in the "Application for an Installation, Construction, Alteration and/or Repair Permit", number 18784. This approval is subject to the following terms and conditions

1. That the nitrification field be installed constructed altered and/or repaired in the same area where the soil investigation was run
2. That an "Installation Construction, Alteration and or Repair Permit" be issued and in full force and effect when the system is installed constructed, altered and/or repaired and that the system be installed in accordance with same

This approval may be revoked and the building inspection department requested to revoke any building permit(s) which have been issued to authorize construction on the said lot at any time it is determined that any information contained in the "Application for an Installation Construction, Alteration, and/or Repair Permit" is not correct or is untrue or that the septic tank system is not being installed, constructed, altered and/or repaired in accordance with a valid Installation, Construction, Alteration, and/or Repair Permit

Environmentalist

Mike Sexton
Environmental Health Director, or Authorized Section Head

EHO-5-76

Environmental Health Department's Copy

Serial No. 5997

Date Issued 1-26-83

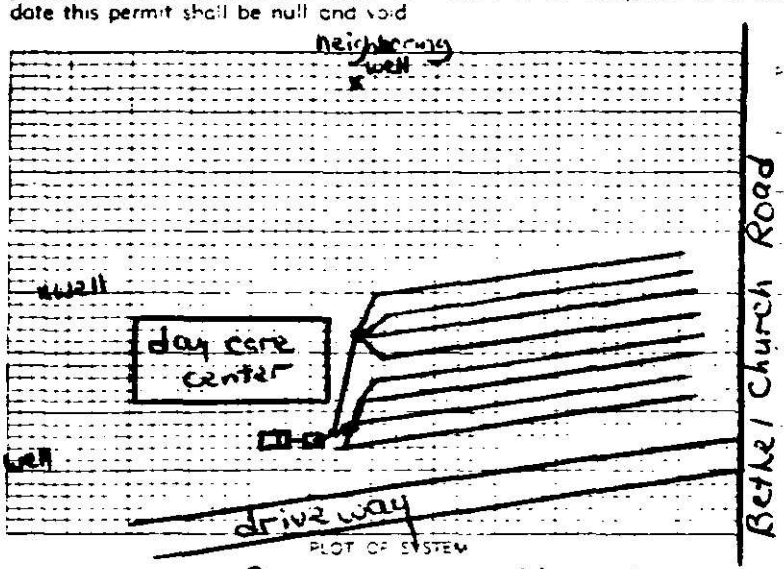
ICAR (S) Permit No. 18784

T C No 001-102-02-4

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
INSTALLATION, CONSTUCTION, ALTERATION, AND/OR REPAIR PERMIT
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Permission is hereby given to ✓ Install or Construct ___ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in application 18784, dated 8-20-82 and this permit shall be void and of no effect if the information provided in the application is not true or is erroneous. All work shall be completed on or before 2-25-83, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permit for P.S.

1000 gallon lift station

Tank Capacity 2000 gallons

Construction 8" concrete block

Distance from building 1125'

Number of lines 8

Distance from property line >5'

Distance from water supply >10'

Distance from stream >100'

NAME OF OWNER Reid, David Harold

LOCATION OF PROPERTY 19619 Highway 73

The system must meet all of the construction requirements as set forth in the Regulations of the Mecklenburg County Health Commission which are in effect on the date of the granting of this permit. A certificate of approval must be issued by the Environmental Health Director before any system can be covered up or otherwise rendered uninspectable or can be used. The issuance of this permit does not in any way guarantee that the system constructed to be constructed will operate properly or relieve any person now or hereafter owning, controlling or using such system from any and all responsibility resulting from the operation of such system.

Comments: set pump to cycle 330 gallons (13.5") to flow divider - two distribution boxes - 8 drain lines - 3' wide x 12" stone x 141' long - 2' max. cover

Division or Section Head

Mike Sexton
Environmentalist

* If this permit is for the installation or construction of a new system it must be signed by the division or a section head of the Department of Environmental Health in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

EHO-S-76

File 18784

Wilber Kendrick Workman and Warren
Architects • Engineers • Planners

4624 Albemarle Road
Charlotte N C 28210

P O Box 25644
704/535-2562

February 18, 1983

MECK COUNTY DEPARTMENT OF
HEALTH
FEB 22 19--
ENVIRONMENTAL HEALTH

Environmental Health Department
1200 Blythe Boulevard
Charlotte, North Carolina 28203

RE: Waste Disposal System
Playschool

Gentlemen:

This letter is to confirm that the disposal system installed at Playschool on Highway 73 at the intersection of Bethel Church Road is installed in accordance with good engineering practices. In my opinion this installation meets all of your requirements for this type of occupancy.

If you would like any further confirmation on this system, please let me know.

NORTH CAROLINA PROFESSIONAL 3984 ENGINEER STEPHEN CHARLES WILBER, JR.

Sincerely,

WILBER, KENDRICK, WORKMAN & WARREN

S. C. Wilber, Jr. AIA - PE

SCW:ma

S C Wilber Jr A A P E Roy F Kendrick A A Robert P Workman A A A Eugene Warren A A W Dale Thompson P E
George C Hedden Jr A I A Fern E Lee Jr A A G Bonsal Hobson A I A John G Watkins A I A Ken D Johnson I E S

C of A (s) No. 18784

Date Issued 3-22-83 Serial 5621 T. C. No. 001-102-02-04

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

CERTIFICATE OF COMPLETION
CERTIFICATE OF APPROVAL
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Name of Owner Reid (LAST), David (FIRST) Harold (MIDDLE)

Location of Property 19619 Highway 73

Application Number 18784 Permit Number 18784

Inspection Data: 1000 gallon lift station precast concrete

Liquid Capacity of Tank 2800 gallons Tank Material 8" concrete block

Total Length of Drain Tile 1125' + 425' Number of Lines 8 + 1

Depth of Filter Materia 12' stone Cover Depth 6" to 2'

Water Supply Source well Distance from Water Source >100'

Excavation Inspected — (DATE) Tank Inspected 1-27-83 (DATE)

Nitrification Field Inspected 1-27-83 (DATE) + 1-26-83 + 1-28-83 + 2-5-83

Washing Machine Line Inspected, If Applicable — (DATE)

The undersigned has inspected the individual Septic Tank System with subsurface, soil absorption effluent discharge as described above and it has been ✓ installed or constructed altered or repaired in accordance with the permit issued and the regulations of the Mecklenburg County Health Commission in effect on the date of issuance of the permit. The issuance of this Certificate of Approval does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly. This Certificate of Approval is issued subject to those restrictions and conditions shown on the permit in addition to those listed below under comments. This Certificate of Approval shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Comments 425' linear of drainfield added as an overflow for the lift station and the washing machine was connected to it.

Mike Sexton
Environmentalist

EHD-5-76

MECKLENBURG COUNTY HEALTH DEPARTMENT COPY

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

RECEIVED
MAR 1 2 1986
ENVIRONMENTAL HEALTH

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

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

(OFFICE USE ONLY)
FILE: 18784
TC:
SERIAL: № 10093

☑ L ☐ CRT

JOB LOCATION

① ADDRESS: 19619 Highway 73 West, Davidson, NC (STREET NO / STREET) ② FILE: SIR #18784

③ JURISDICTION: ④ TAX PARCEL NO.: 001-101-05

⑤ SUBDIVISION: ⑥ LOT: ⑦ BLOCK:

OWNER

⑧ NAME: Kiddie Korner Day Schools, Inc. (FIRST / MIDDLE / LAST)

⑨ MAILING ADDRESS: PO Box 18565

⑩ CITY: Charlotte ⑪ STATE: NC ⑫ ZIP: 28218-0565

⑬ PHONE: WORK: 535-1136 ⑭ (HOME): (Center) 892-3279

REQUEST

This request is for a(n):

⑮ ☐ New permit ⑰ ☐ Authorization for mobile home exchange

⑯ ☒ Repair or alteration permit ⑱ ☐ Other (specify):

DESIGN CRITERIA

System will serve:

⑲ ☐ Residence ⑳ ☐ Mobile home ㉑ ☒ Business or place of public assembly

㉒ Number of bedrooms? ㉕ Type? Child day care center

㉓ Maximum occupancy? ㉖ Maximum number of employees? 17

㉔ Basement? ☐ yes ☐ no ㉗ Maximum number of seats? 12

WATER SUPPLY

㉘ Water supply from present or proposed:

A ☒ Individual well

B ☐ Municipal system

C ☐ Community well

D ☐ Community system

㉙ 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: Kiddie Korner Day Schools, Inc.
BY: Robert L. Eagle, V. Pres.

Date: 3-10-86

IMPROVEMENT PERMIT

The undersigned, an authorized agent of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and or Repair permit is issued by this Department.

This permit is not transferable and shall become null and void 36 months from the date of issuance.

Environmentalist — Date

Director or Authorized Section Head — Date

*This permit must be signed by the Director of Environmental Health or an authorized section head in order to be valid.