Date Received 12-28-83

RECEIVED
DEC 28 1983
ENVIRONMENTAL HEALTH

PO

SIR No. 20350

T. C. No. 03704106

Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER DUKE (LAST) POWER (FIRST) COMPANY (MIDDLE)

2) ADDRESS OF OWNER P.O. BOX 33189 CHARLOTTE, NC ZIP 28242

3) PHONE NO. Home _____ Office 331-4293

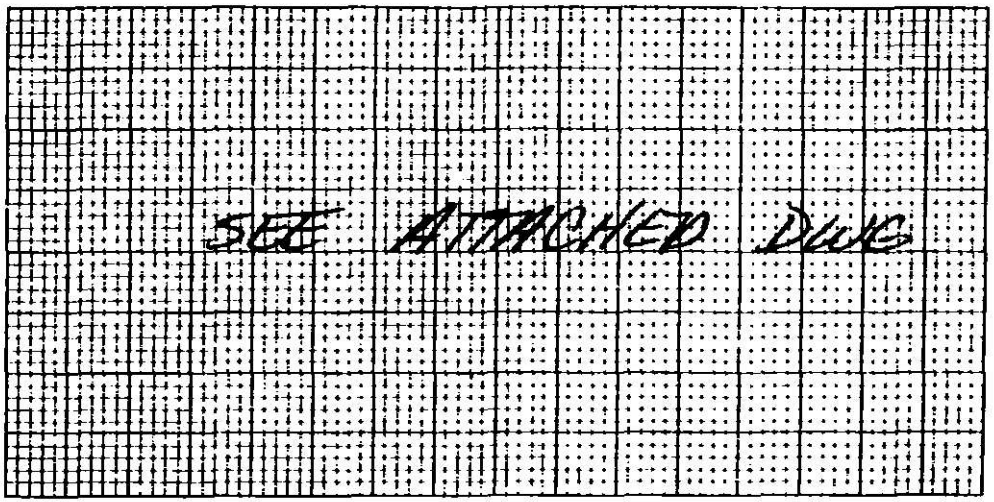
4) LOCATION OF PROPERTY 9629 MALLARD CREEK RD (STREET OR COUNTY ROAD)

5) SUBDIVISION _____ LOT NO. _____ BLOCK NO. _____

MAP BOOK NO _____ PAGE NO. _____

6) DEED REFERENCE: DEED BOOK 3903 PAGE NO. 557

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

Kenneth W Myers
OWNER

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20350

T.C. NO. PO 027-04406

(Ground Absorption Sewage Disposal)

OWNER: Duke Power Co.
ADDRESS: PO Box 33189
Charlotte, N.C. 28242
LOCATION OF SITE: 9627 Mallard Creek Road

PLAT NO:
LOT SIZE: Approx 10,800

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 2-% U	S PS 2-10% U	S PS Complex U slopes	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS clay U	S PS 2-1 Clay U	S PS — U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S Massive PS U	S PS Blocky U	S PS — U	S PS U
4. SOIL DEPTH (inches)	S PS <36" U	S PS 36-48" U	S PS — U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S compacted Fill PS U + cut	S PS >36" U	S PS — U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS >36" to ground water U	S PS >36" to ground water U	S Eroded PS Area channels U water	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	VA	VB	—	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	Cut & Fill	Mecklenburg-Like	Eroded	

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)

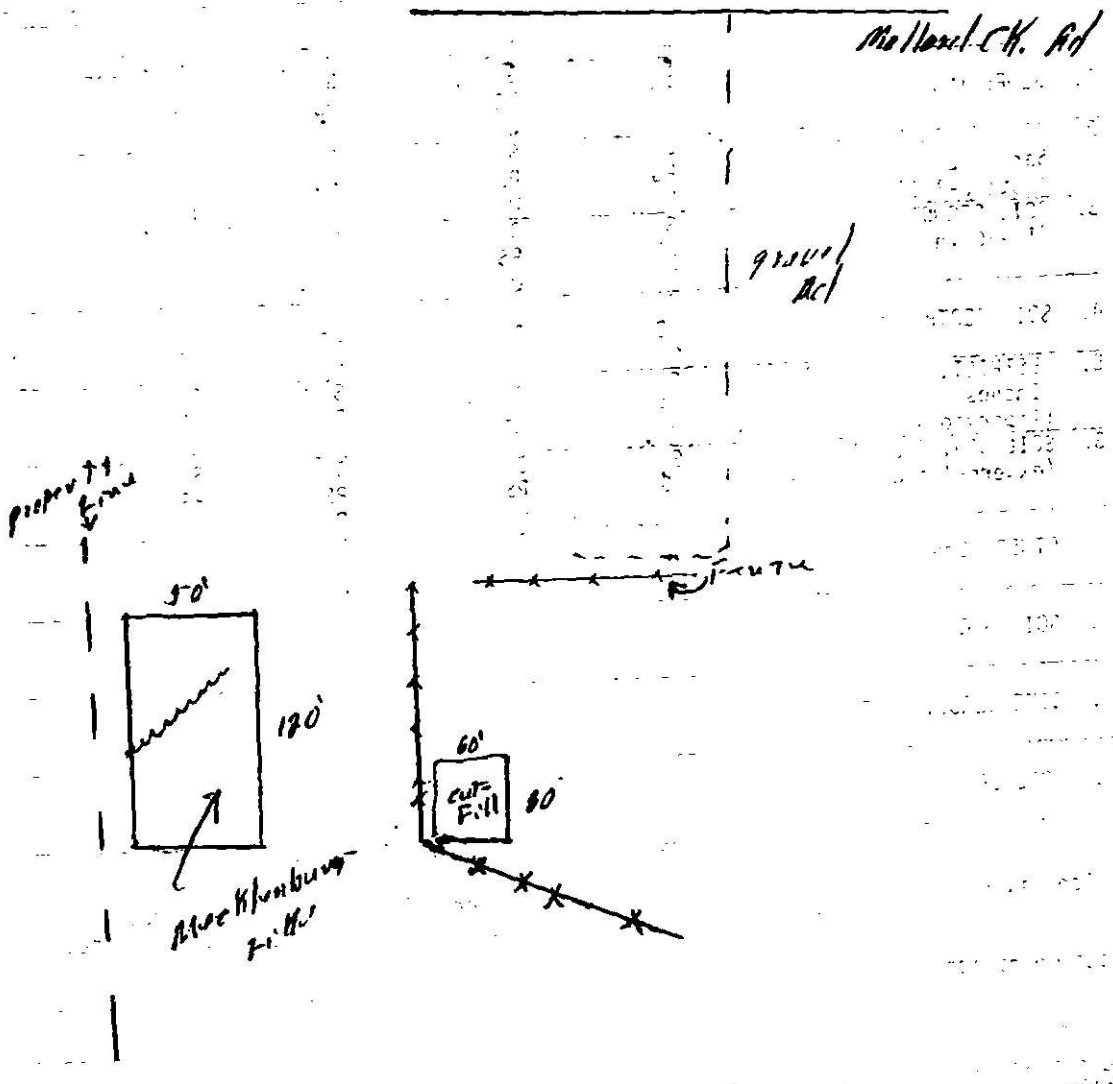
Recommendations/Comments:

Described by: William B. Martin
Title: Soil Scientist

Date: 1-04-84

EHD 539 (Revised: 6/82)

24


Mallard Ck. Rd
gravel Rd
Fence
property line
50'
120'
Mecklenburg Fill
60'
cut-Fill
80'

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

SIR. NO. 20350
T.C. NO. PO 027-041-06
DATE: 1-9-84

Duke Power Company
P. O. Box 33189
Charlotte, NC 28242

RE: Property located at 9639 Mallard Creek Road

Dear Sirs:

At your request, a field investigation was conducted on the property designated above and was classified unsuitable for the installation of a ground absorption sewage disposal system. A copy of the site evaluation report is enclosed for your information.

Sites classified as unsuitable may be utilized for soil absorption disposal systems provided engineering, hydrogeologic, soil and environmental studies indicate that a suitable septic tank system or a suitable alternate system can be reasonably expected to function satisfactorily.

Should you desire to file for permission to install an alternate system, plans and specifications prepared by a person with a demonstrated knowledge of ground absorption sewage treatment disposal systems, soil and rock characteristics, groundwater hydrology and drainage systems should be submitted to this office. They will be reviewed and if it is found that the system may be reasonably expected to function satisfactorily, approval will be given upon the execution by you of "Septic Tank Agreemnt Form" provided by this office.

If I may be of assistance, please feel free to call.

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

BDH/kbg

Enclosure

Date Received 2/14/84

RECEIVED
FEB 14 7:34
ENVIRONMENTAL HEALTH

CAR(S) Application No. 20350
PO
T. C. No. 027041060
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) X Install or Construct 2) _____ Alter or Repair an individual septic tank wastewater treatment system with a subsurface, soil absorption, effluent discharge.

SUBSTATION CONTROL HOUSE

Mobile Home ____Yes X No
Residence ____Yes X No

4) No. of Bedrooms NONE
5) Business Use — Max No Employees 1
6) Washing Machine ____Yes X No
7) Garbage Disposal ____Yes X No
8) Dishwasher ____Yes X No
9) Water Supply:
A) Individual Well X
B) Governmental System
C) Community System:
1. Well source
2. Governmental source
10) Sewage System:
House located within 200 feet of public sewer ____Yes X No
House located within 200 feet of community sewer ____Yes X No
11) FHA Case No.
12) VA Case No.

SEE ATTACHED PLOTS AND SKETCHES

3) PLOT PLAN (ACCURATELY DIMENSIONED)

13) NAME OF OWNER DUKE POWER COMPANY (LAST FIRST MIDDLE)

14) ADDRESS OF OWNER SUBST. ENGR. P.O. BOX 33189 CHARLOTTE, NC 28242

15) PHONE NO. Home _____ Office 331-4293

16) LOCATION OF SYSTEM 9629 MALLARD CREEK ROAD (STREET OR COUNTY ROAD)

17) SUBDIVISION _____ Lot No. _____ Block No. _____

Map Book No. _____ Page No. _____

18) DEED REFERENCE — DEED BOOK 3903 AT PAGE 557

19) HAS A SOIL INVESTIGATION BEEN RUN? X YES ____ NO DATE RUN 1-4-84

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.

2-13-84
DATE OF APPLICATION

Kenneth W Myers
OWNER

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

DUKE POWER COMPANY

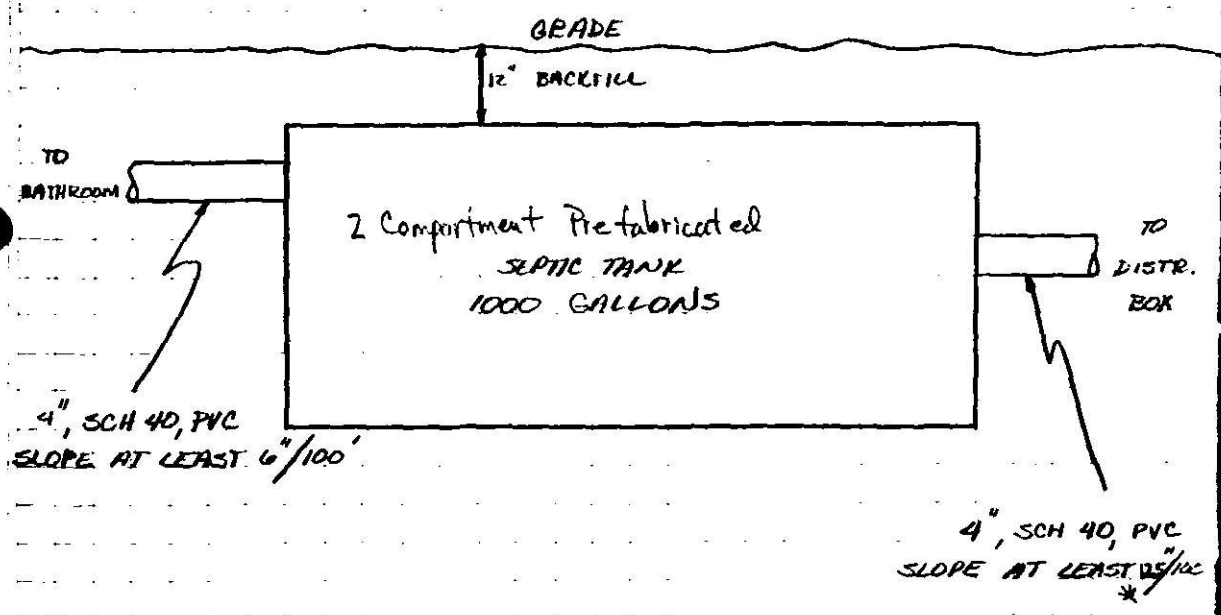
Form 00184 (6-81)

Dev./Station DERITA SUBSTATION Unit File No. 20350

Subject SEWAGE DISPOSAL SYSTEM

By KWM Date 2-13-84

Sheet No. 1 of 3 Problem No. Checked By Date



* indicates change made from original submission

DUKE POWER COMPANY

Form 00184 (6-81)

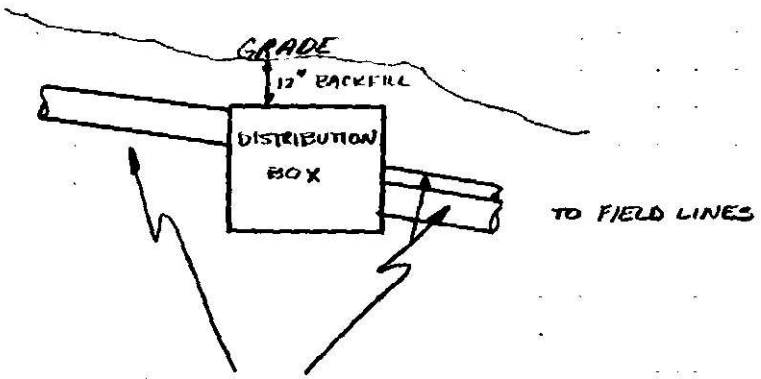
Dev./Station DERITA SUBSTATION Unit File No. 20350

Subject SEWAGE DISPOSAL SYSTEM

By KWM Date 2-13-84

Sheet No. 2 of 3 Problem No Checked By Date

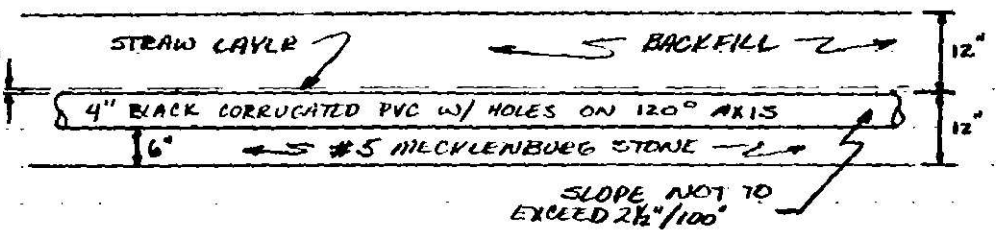
SOURCE LINES

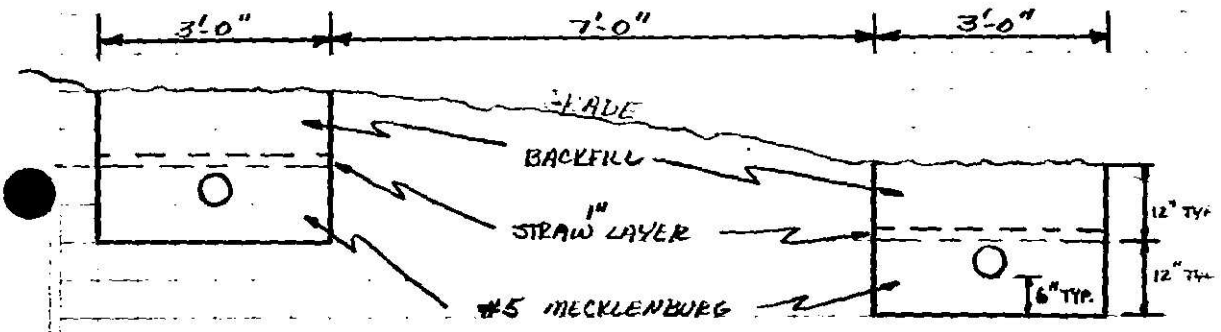


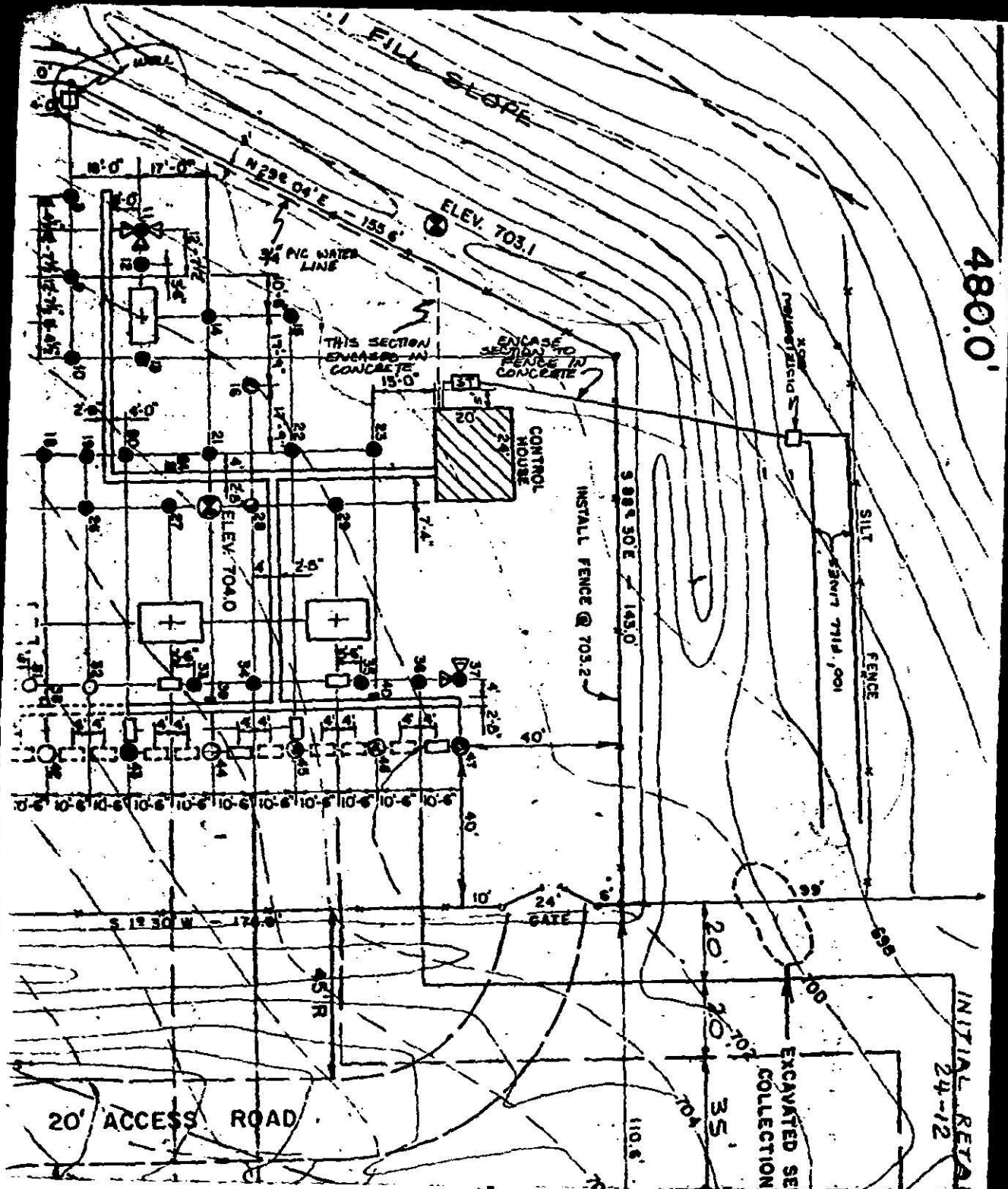
4" SCH 40 PVC

SLOPE OF AT LEAST 12.5/100' on inlet lines
Outlet lines to be level on contour

FIELD LINES







FILE # 20350

SHEET 3 OF 3

WATER/SEWER SYSTEM
DERITA SUBSTATION

Date Issued 2-14-84

Serial No. 7216

SIR No. 20350

T. C. No. 027-041-06

IMPROVEMENT PERMIT

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 Duke Power Company
(LAST / FIRST / MIDDLE)

ADDRESS OF OWNER P.O. Box 33189, Charlotte, NC ZIP 28242

LOCATION OF LOT 9629 Mallard Creek Road
(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, 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 20350. 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 if 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.

*** AGREEMENT FORM ON FILE ***

Ralph Nobles
Environmentalist

Environmental Health Director, or Authorized Section Head

EHD-S-76

Environmental Health Department's Copy

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

COPY

SEPTIC TANK AGREEMENT 20350

The undersigned, Duke Power Company, owner of property located at 9629 Mallard Creek Road, ("the site") and described in instrument recorded in Book 3903 at Page 557, Mecklenburg Public Registry, hereby acknowledges that he applied to the Department of Environmental Health for a permit to install a septic tank sewage disposal system on the site; the Department evaluated the site for suitability for such a system in accord with the regulations promulgated by the North Carolina Commission for Health Services as 10 NCAC 10A .1900 et seq; that the Department classified the site as unsuitable and an appropriate permit was issued by the Department.

The undersigned further acknowledges that the proper design, construction, and maintenance of such septic tank system is his responsibility and that neither the Department nor its officials, employees or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for damages, consequential or direct, which are caused, or which may be caused by a malfunction of such system.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

And the undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department and its successors, as well as Mecklenburg County, for any damages or other claims of any person or persons whatsoever arising out of the installation operation, or failure of said septic tank system.

And the undersigned further agrees for his heirs and assigns that, in the event any septic tank system installed under authority of the aforesaid permit fails to perform adequately, in any respect, he will take whatever measures are required to correct same; or if such is impossible he will discontinue use of said system immediately.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This 15th day of February, 1984. DUKE POWER COMPANY

ATTEST: John C. Goodman, Jr.
Assistant Secretary

By: [signature] (XXXX)
Vice President (Seal)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, _____, a Notary Public for said County and State, do hereby certify that _____ personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this _____ day of _____, 19__.

_____
Notary Public
My Commission Expires: _____

PRESENTED FOR REGISTRATION
FEB 16 2 04 PM '84
CHARLES E. CROWDER
REGISTER OF DEEDS
MECKLENBURG CO. N.C.

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, Patricia C. Walters, a Notary Public for said County and State, do hereby certify that John C. Goodman, Jr. personally came before me this day and acknowledged that he is Asst. Sec. of Duke Power Co., and that by authority duly given and as the act and deed of said corporation, the foregoing instrument was signed in its name by its Vice President, sealed with its corporate seal and attested by himself.

WITNESS my hand and notarial seal, this 15 day of February, 1984.

Patricia C. Walters
Notary Public
My Commission Expires: Feb. 5, 1985

Serial No. 6983

ICAR(S) Permit No. 20350

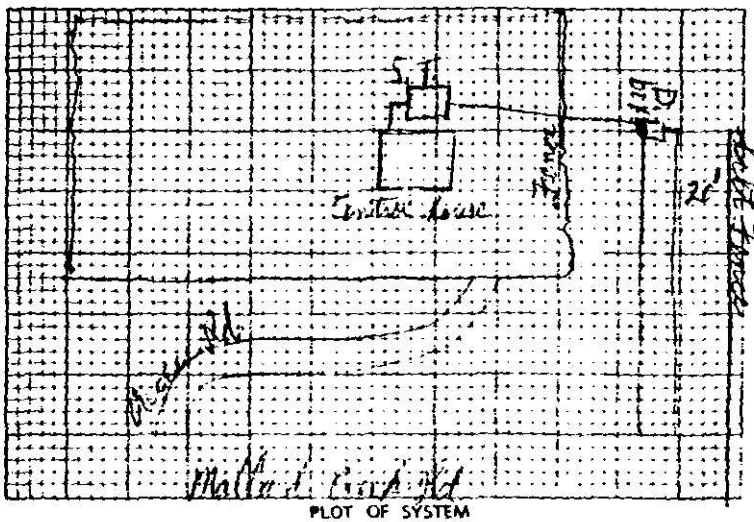
Date Issued Feb. 23, 84

T. C. No. 027-041-06

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 20350, dated 2-13-84 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 April 1, 84, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate U IV B

Liquid Capacity of Tank 1000

Tank Construction Pre Cast Concrete

Absorption and/or Nitrification Lines:

Total Line Length 200'

Number of Lines 2

Distance from House 10

Distance from Property Line 50+

Distance from Well not in yet

NAME OF OWNER [illegible]

LOCATION OF PROPERTY [illegible] Mallard Creek Rd.

The system shall 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 anticipated to be constructed 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.

2 trenches 100 X 3' X 12" stone, straw or hay cover, grade tile.

Comments:

B. [illegible]
Division or Section Head

Ralph Nelles
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or 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.

EHD-S-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

C of A (s) No. 20350

Date Issued 5-23-84 Serial 6661 T. C. No. 027-041-06

L CRT

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 DUKE POWER
LAST FIRST MIDDLE

Location of Property 9629 MALLARD CREEK RD

Application Number 20350 Permit Number 20350

Inspection Data:

Liquid Capacity of Tank 1000 gal Tank Material Pre Cast Concrete

Total Length of Drain Tile 200 LIN FT Number of Lines Two

Depth of Filter Material 12 inches Cover Depth 1 TO 4 FT.

Water Supply Source well Distance from Water Source Keep 100' away not in yet

Excavation Inspected 5-23-84 DATE Tank Inspected 5-23-84 DATE

Nitrification Field Inspected 5-23-84 DATE

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 X 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(s) 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 _____

Ralph Miller
Environmentalist

EHD-5-74

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

4