Date Received_____ 2 APT No. 15259

T. C. No._____

Map Date_____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Ash Development Company
LAST FIRST MIDDLE

2) ADDRESS OF OWNER 5511 Monroe Road ZIP 28212

3) PHONE NO. Home - Office 568-5517

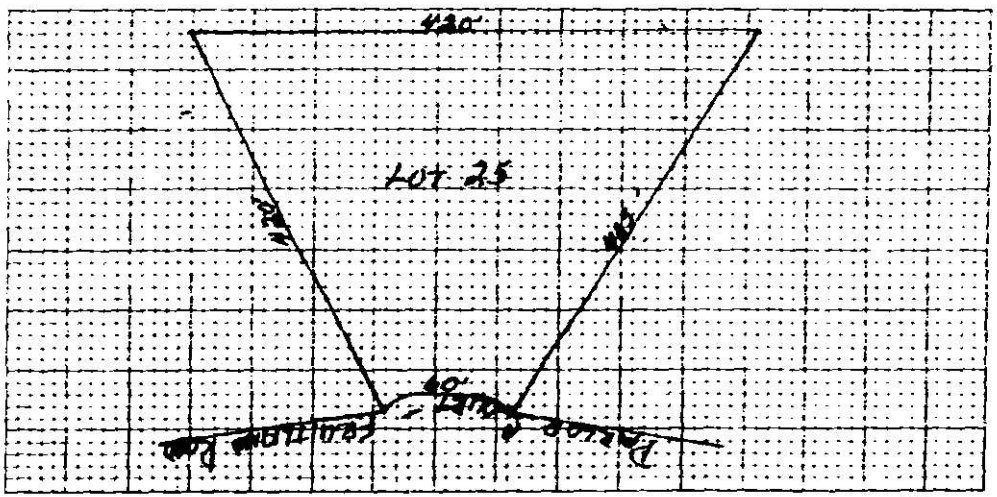
4) LOCATION OF PROPERTY Fruitland Road
STREET OR COUNTY ROAD

5) SUBDIVISION Farmington LOT NO. 25 BLOCK NO. -

MAP BOOK NO._____ PAGE NO._____

6) DEED 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

Serial No. 3337

PTR No. 15759

Date Issued February 7, 1980

T C. No.

Map Date

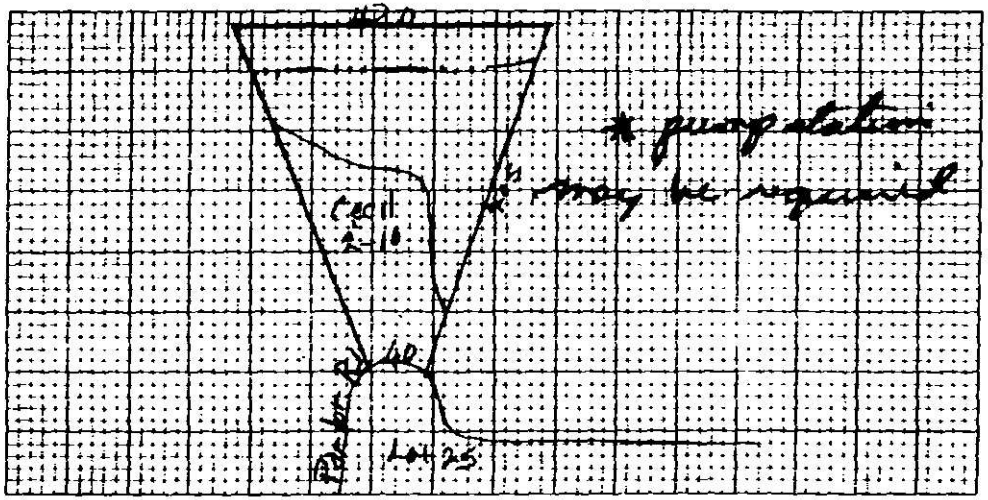
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER (LAST) (FIRST) (MIDDLE) Ash Development Company

ADDRESS OF OWNER 5511 Monroe Road, Charlotte, NC ZIP 28212

LOCATION OF PROPERTY Parlor Road (STREET OR COUNTY ROAD)

SUBDIVISION Farmington LOT NO. #25 BLOCK NO.



PLOT PLAN

This is to certify that a soil investigation and on-site investigation was made by the Mecklenburg County Department of Environmental Health on the lot described above. The said investigation was conducted on that portion of the lot as indicated on the above plot. Provisionally Suitable

The permeability rate determined by the investigation was The said lot is approved for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption effluent discharge subject to the following terms and conditions

1. A permit to install, construct, alter, or repair the specific system shall be obtained from the Mecklenburg County Department of Environmental Health prior to the beginning of any construction of buildings or of the wastewater treatment system on the said lot.
2. The size of the septic tank wastewater treatment system which must be installed will be determined by the Mecklenburg County Department of Environmental Health prior to installation based on the permeability rate obtained above and on the size and type of building constructed thereon.
3. This approval is valid only if the system is installed in the immediate area indicated as acceptable for system installation on the above plot.
4. This approval is void if any grading, filling or construction, including the drilling of a well, is performed on the lot which in the opinion of the Mecklenburg County Department of Environmental Health renders the area indicated as acceptable for system installation unsuitable for installation, construction, alteration and/or repair of such a system.

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 which were in effect on the date of issuance and is void if at 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 or revised laws, rules and regulations been in effect on the issue date.

W. B. Ramsey
Soil Scientist

John R. Atkinson
Environmental Health Director or Authorized Section Head

EHD-5-76

Environmental Health Department's Copy

S. I. R. NO. 1579

T. C. #

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

APPENDIX II
SITE EVALUATION

(Ground Absorption Sewage Disposal)

OWNER: ASH DEVELOPMENT CO
ADDRESS: 5611 MONROE RD
COUNTY: MECKLENBURG 28212
LOCATION OF SITE: FRUITLAND RD

DATE REQUESTED:
PLAT NO.:
LOT SIZE: 21950
FARMINGTON

LOTIS

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-10	S (PS) U [illegible]	S PS U	S PS U
2. SOIL TEXTURE (12-36 in.) (Sandy, loamy clayey, Note 2:1 Clay)	S (PS) U CLAYEY	S PS U [illegible]	S PS U	S PS U
3. SOIL STRUCTURE (12.36 in.) (Clayey Soils)	S (PS) U BLOCKY	S PS U [illegible]	S PS U	S PS U
4. SOIL DEPTH (In.)	S (PS) U 48>	S PS U [illegible]	S PS U	S PS U
5. RESTRICTIVE HORIZONS (In.) (Impervious Strata, Rock)	S (PS) U NONE	S PS U [illegible]	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (External & internal)	S (PS) U Adequate	S PS U [illegible]	S PS U	S PS U
7. SOIL PERMEABILITY (Percolation Rate)	S (PS) U Moderate	S PS U [illegible]	S PS U	S PS U
8. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
9. SITE CLASSIFICATION	P. SUITABLE	[illegible]		
SOIL SERIES	Cecil			

S - Suitable PS - Provisionally Suitable U - Unsuitable

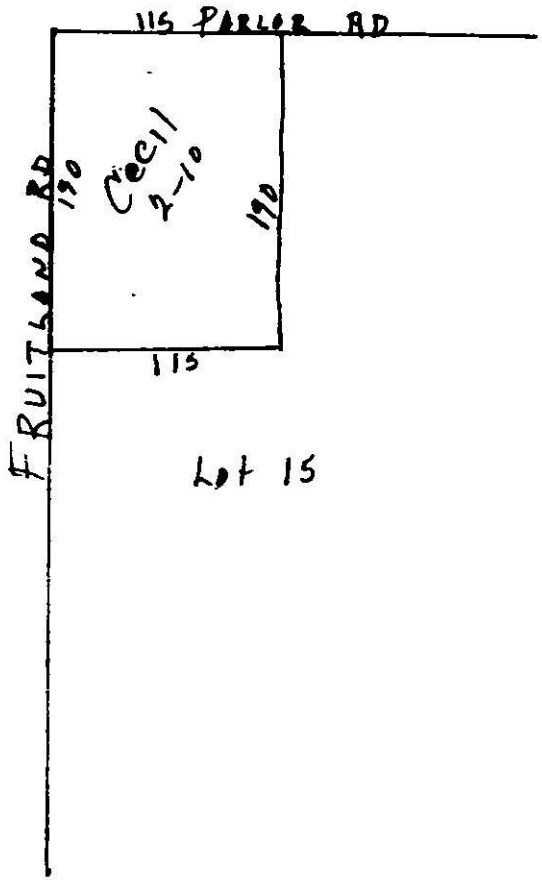
* See Diagram on Back (Include: Soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slope patterns, etc.

Recommendations/Comments:

Described By: W. B. Ramsey

Title: Soil Scientist Date: 12-17-79

DHS Form 2601
Sanitation
EHD 539 (3/79)


115 PARKER RD
FRUITLAND RD
190
Cecil
2-10
190
115
Lot 15

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 15759

T.C. NO. 223-271-11

(Ground Absorption Sewage Disposal)

OWNER: Ash Development Co
ADDRESS: 5511 Alexander Rd Mecklenburg 28212
LOCATION OF SITE: Lot 25

PLAT NO:
LOT SIZE: 93,466

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-10	S (PS) U 2-10	S (PS) U 2-16	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) U Clayey	S PS (U) Fill From 11'-7Ft	S PS (U) Mixed Clay	S PS U
3. SOIL STRUCTURE (12-36 inches)	S (PS) U Blocky	S PS (U) Mixed Fill Material	S PS (U) Weak Blocky	S PS U
4. SOIL DEPTH (inches)	S (PS) U 36-45	S PS (U) Fill material 11"-7Ft	S PS (U) 30-35	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) U None	S (PS) U None	S (PS) U None	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) U Adequate	S PS (U) Slow	S PS (U) Slow	S PS U
7. OTHER (Specify) Restricted Area	S PS (U)	S PS U	S PS U	S PS U
8. SOIL GROUP	IVa	IV & (Fill) IVa		
9. SITE CLASSIFICATION	Unsuitable	Unsuitable	Unsuitable	
10. SOIL SERIES	Cecil	Fill Cand IN Phase cut.	Helena	

S - Suitable PS - Provisionally Suitable U - Unsuitable

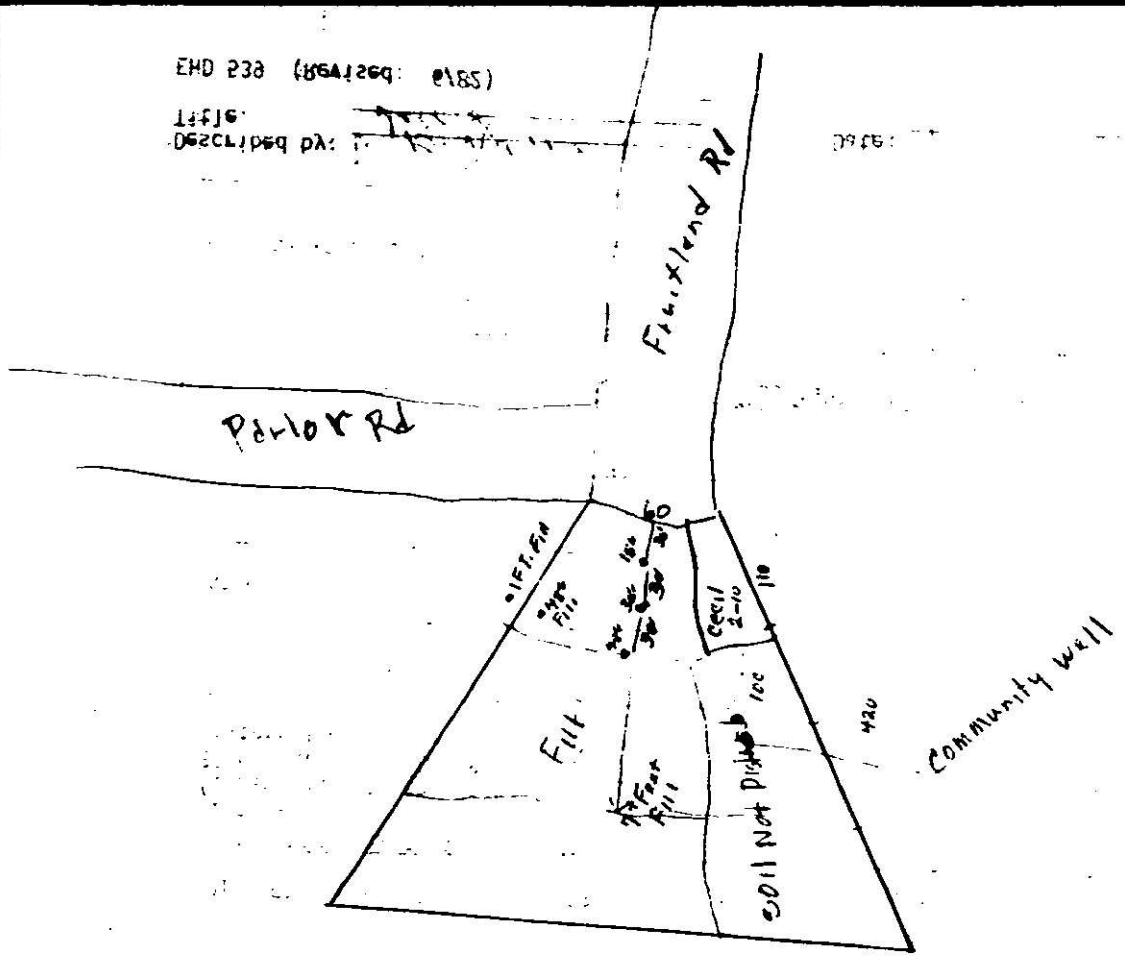
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: W. B. Ramsey
Title: Sanitarian

Date: 11-8-83

EHD 539 (Revised: 6/82)


Franklund Rd
Parlor Rd
Cecil 2-10
Fill
Community well

156-120

S. I. R. NO. 15259

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

APPENDIX II
SITE EVALUATION

T. C. P. _____

(Ground Absorption Sewage Disposal)

OWNER: ASH DEVELOPMENT CO
ADDRESS: 6611 MONROE RD
COUNTY: MECKLENBURG 28212
LOCATION OF SITE: PARLOR RD/FARMINGTON

DATE REQUESTED: _____
PLAT NO.: _____
LOT SIZE: 98400

LOT 25

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-10	S (PS) U 2-10	S PS U	S PS U
2. SOIL TEXTURE (12-36 in.) (Sandy, loamy clayey, Note 2:1 Clay)	S (PS) U CLAYEY	S PS U Mix Clays	S PS U	S PS U
3. SOIL STRUCTURE (12.36 in.) (Clayey Soils)	S (PS) U BLOCKY	S PS U Massive	S PS U	S PS U
4. SOIL DEPTH (In.)	S (PS) U 48>	S PS U <48	S PS U	S PS U
5. RESTRICTIVE HORIZONS (In.) (Impervious Strata, Rock)	S (PS) U NONE	S PS U Clays	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (External & Internal)	S (PS) U Adequate	S PS U SLOW	S PS U	S PS U
7. SOIL PERMEABILITY (Percolation Rate)	S (PS) U Moderate	S PS U SLOW	S PS U	S PS U
8. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
9. SITE CLASSIFICATION	P. SUITABLE	Unsuitable		
SOIL SERIES	CECIL	HELENA		

S - Suitable PS - Provisionally Suitable U - Unsuitable

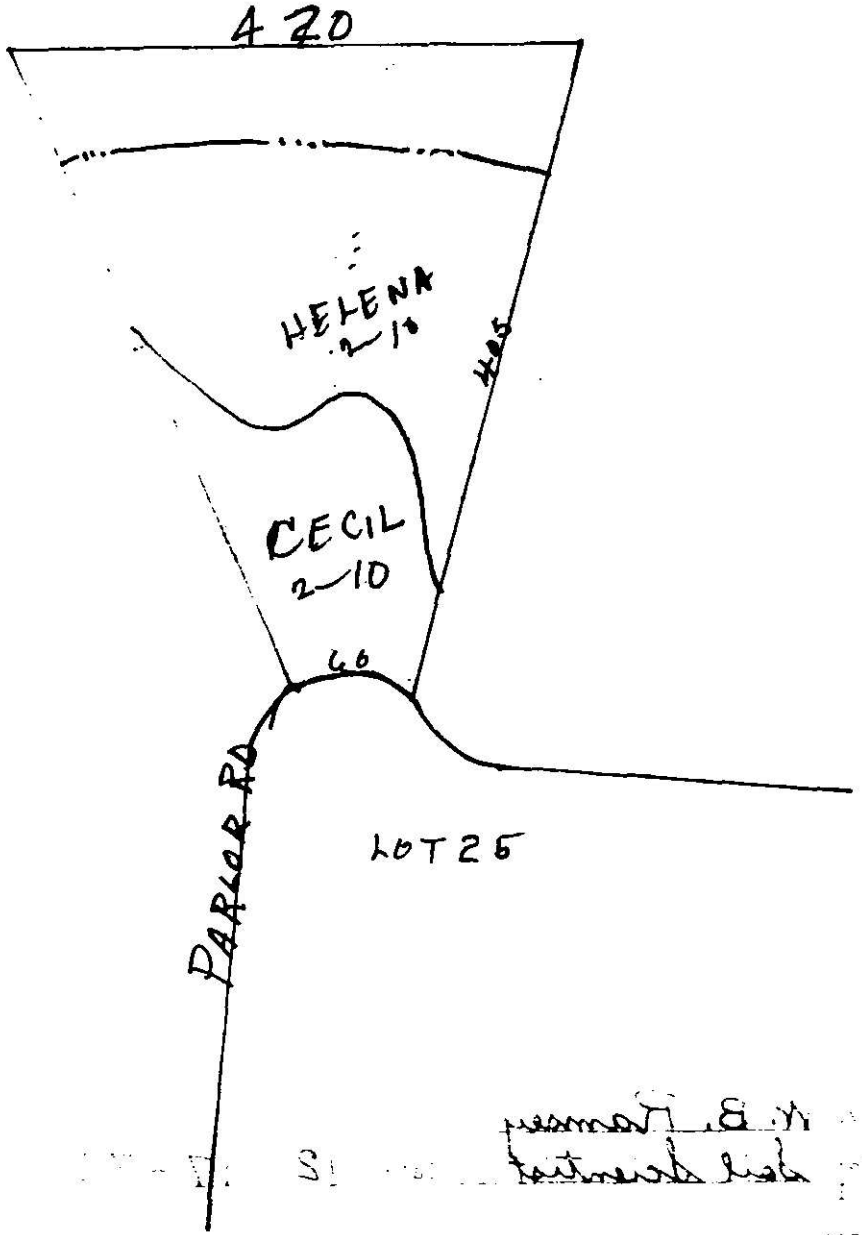
* See Diagram on Back (Include: Soil areas, property lines, roads, streams, gullies wet areas, fill areas, wells, water bodies, slope patterns, etc.

Recommendations/Comments: _____

Described By: W. B. Ramsey

Title: Soil Scientist Date: 12-17-79

DHS Form 2601
Sanitation
EHD 539 (3/79)


A 20
HELENA
2—18
CECIL
2—10
66
PARKER RD
LOT 25

SEE INSTRUCTIONS ON BACK

Date Received 9-12-83

MECK COUNTY DEPARTMENT OF RECEIVED SEP 12 1983 ENVIRONMENTAL HEALTH

ICAR(S) Application No. 15759

T. C. No. 223-271-19

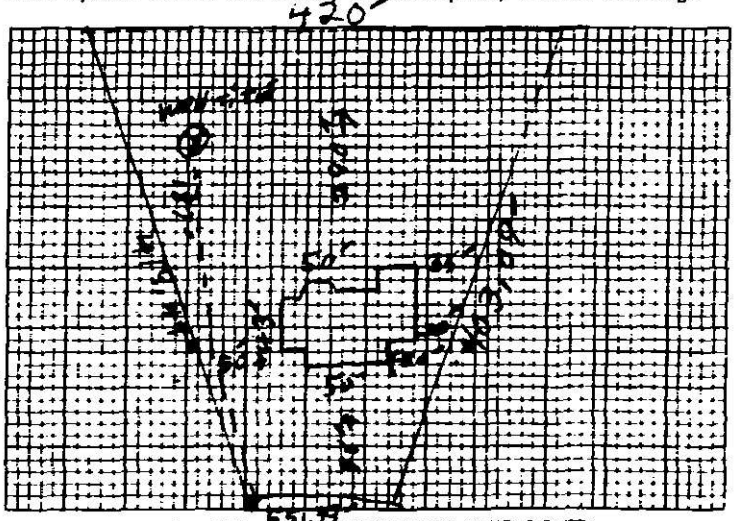
Map Date

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.


420
50'
55'
55'
55

Appendix 1. Design specifications for example LPP (Chapters 3 and 4)

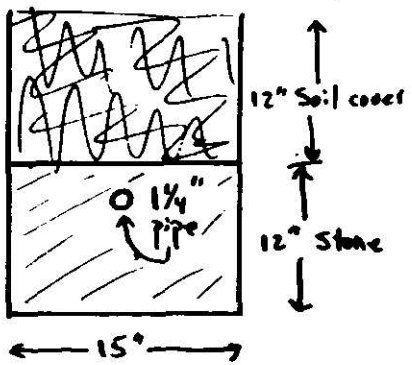
File a copy of this sheet along with an accurate sketch for each LPP designed.

Daily waste flow 450 gallons
Septic tank size 1500 gallons
Pumping tank size 1000 gallons
Effluent loading rate 0.2 gpd/ft²
Absorption area 2250 ft²
Total length of laterals 450 ft
Lateral diameter 1¼ 160 psi pipe
Lateral configuration See below
Supply line length 110 ft.
Supply line diameter 2" Sch. 40 pipe
Manifold placement Side. Split manifold.

Lines 1, 2, 3 in upper field
Lines 4, 5, 6, 7 in lower field

Hole size*
Hole spacing
Number of holes
Pressure head
Flow per hole*
} See chart

Total flow 46 gallons per minute
Elevation head 13'
Friction head 3.8'
Pressure head ~~20.0'~~ 3.0'
Total head 20.0'
Pump requirements 46 gpm @ 20' TDH
Storage volume in laterals 41.2 gallons
Storage volume in supply line 18.0 gallons
Total storage volume 59.2 gallons
Dosing volume 224 gallons
Dosing depth use 8.5"
Check valve needed? No



*Data on hole size, spacing, pressure head and flow must be listed for each line for systems where lines are different (such as sloping lots).

Line No.	Length (ft)	No. holes	Spacing	Hole size	Ft. Head	Flow/Hole	Flow/Lin. ft.	Flow/Line
1	40	10	4.0'	5/32"	2	0.41	0.01	4.0
2	40	8	5.0'	5/32"	3	0.50	0.1	4.0
3	50	10	5.0'	5/32"	3	0.50	0.1	5.0
4	60	13	4.6'	3/16"	1.1	0.44	0.095	5.72
5	65	11	5.9'	3/16"	1.8	0.56	0.095	6.16
6	70	15	4.7'	5/32"	2.4	0.45	0.096	6.75
7	70	14	5.0'	5/32"	2.7	0.47	0.095	6.60
8	70	14	5.0'	5/32"	3.0	0.50	0.1	7.00

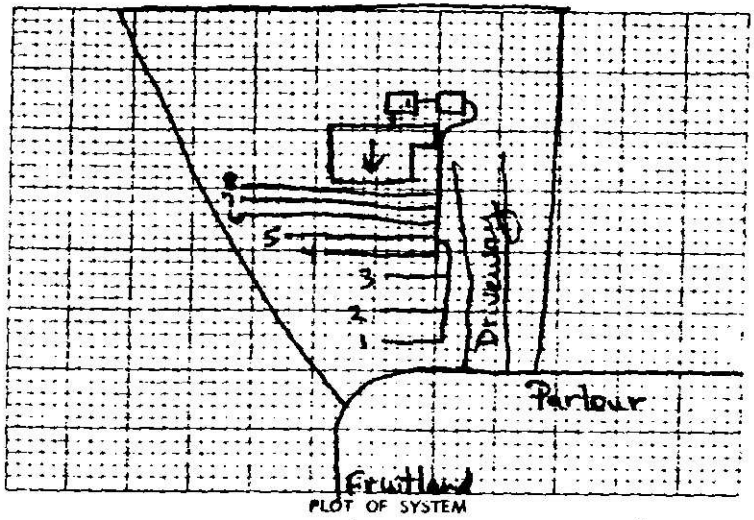
Date Issued 4-16-84 Serial No. 6951 ICAR (S) Permit No. 15759

T. C. No. 223-271-19

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 15759 dated 9-12-83 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 5-16-84, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate IVa

Liquid Capacity of Tank 1500 + 1000

Tank Construction R/C Concrete

Absorption and or Nitrification Lines

Total Line Length 465' LPP

Number of Lines 8

Distance from House 5'

Distance from Property Line 10'

Distance from Well 100'

NAME OF OWNER Smith-Allen Co. Inc.

LOCATION OF PROPERTY 10616 Fruitland 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.

LPP - 2 fields with gate valve preceeding each field.

Comments: See attached design.

Division or Section Head

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.

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

OPERATION PERMIT

Date Issued 4-19-84

Serial 6559

C of A (s) No. 15759

T. C. No. 223-271-19

L. CRT

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

~~OPERATION PERMIT~~

CERTIFICATE OF APPROVAL

(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Name of Owner Smith Allen Co. (LAST, FIRST, MIDDLE)

Location of Property 10616 ~~Smithard Rd~~ Parlor Rd

Application Number 15759 Permit Number 15759

Inspection Data:

Liquid Capacity of Tank 1500 + 1000 Tank Material PVC

Total Length of Drain Tile 465' LPP Number of Lines 8

Depth of Filter Material 12" Cover Depth 12"

Water Supply Source well Distance from Water Source 100'

Excavation Inspected 4-19-84 (DATE) Tank Inspected 4-19-84 (DATE)

Nitrification Field Inspected 4-19-84 (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 ✓ 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

D. R. Fryman
Environmentalist

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY