

21416 PINECREST PL

00111208

1/3/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

CERTIFICATE OF COMPLETION/OPERATION PERMIT

Paid in full

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 3717-B DATE: 7-1-97

TC: 001-112-08 TL CRT

SERIAL Nº 17201

Name of Owner DAVID B AUSTIN Juris.: _____

Address of Property 2141 6 PINECREST PLACE

Inspection Data:

Tank Material PCC

Total Length of Drainfield 200

Number of Lines 4 @ 50

Cover Depth 6"

Water Supply Source CMUD

Distance to Water Source ✓

Excavation Inspected 6-23-97

Tank(s) Inspected 6-23-97

Wash Line Inspected ✓

High Water Alarm Inspected ✓

PLOT

Design 1997 1500 ST PDBPS TYPE III CECIL CTR# A CORNELIUS

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☑ installed or constructed ☐ altered or repaired

☑ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☑ ~~Operation~~ Permit

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 document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document 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.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: _____

Environmental Health Specialist

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

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 3917B DATE: 6-3-97

TC: D01-112-08 ☐ L

SERIAL Nº 17344

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 the application dated 9-7-95 & 10-31-96. All work shall be completed on or before 7-3-97, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. 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.

Install According To Approved Plans

PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank N/A gallons

Tank Construction RC

Trench Depth ≤ 36"

Absorption and/or Nitrification Lines:

Trench Width 2 feet

Trench Walls Scored and Porous Yes

Total Line Length 200 feet

Number of Lines 4

Depth of Stone N/A inches

Distance from House 5 feet

Distance from Property Line 5 feet

Distance from Well >50 feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER David B. Austin

LOCATION OF PROPERTY 21416 Pinecrest Place

Comments: Type IIIe 3bedrooms
(4) 2'W x 50'L x ≤ 36"d

Larry B. Thompson Jr., R.S.
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

FEE: 150.00 CHK 3147345
DATE: 11/19/96 GC

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

I ICRT

TYPE APPLICATION: ✓ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 3717B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: Lot 100

TAX/PARCEL NUMBER: 001-112-08

STREET ADDRESS: 21416 Pinecrest Pl., Cornelius

SUBDIVISION OR MOBILE HOME PARK NAME: Island Forest

LOT NUMBER: 100

TYPE OF BUILDING (CHECK ONE): 2,000 SF

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
✓ HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

HEATED SQUARE FOOTAGE: 2000 SF

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

TOWNSHIP (CHECK ONE):

__ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
✓ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

CLOSING DATE: _____

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):
✓ COMMUNITY (C)
__ MUNICIPAL (M)
__ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES __ YES ✓ NO
EXISTING WASTEWATER SYSTEMS __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS __ YES ✓ NO
WELL, SPRINGS OR WATERLINES __ YES ✓ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:

NAME: Austin, David B.
(LAST) (FIRST) (MI)

ADDRESS: P.O. Box 3067

CITY: Concord STATE: NC ZIP: 28025

DAYTIME PHONE: 704 782-1413

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Ford, Randall E
(LAST) (FIRST) (MI)

DAYTIME PHONE: 704 892-5553 679-8623 Pager

21412 Bethel Church Rd.

Cornelius NC 28031

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? October 18, 1972

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the 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 Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Randall E. Ford DATE: 10/31/96

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

MECKLENBURG COUNTY HEALTH DEPARTMENT
700 NORTH TRYON STREET
CHARLOTTE, NORTH CAROLINA 28202
(704) 336-5102

REQUEST FOR TRANSFER OF SERVICE PAYMENT/INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

SERVICE: Improvement Permit
IMPROVEMENT PERMIT, SOIL TEST, E.G.

FILE NUMBER 3718B, 3717B, 3716B, 3715B TAX NUMBER 001-112-07, 001-112-08, 001-112-09, 001-112-10

PROPERTY ADDRESS 21422, 21416, 21410, 21404 Pinecrest Pl., Cornelius, NC

NAME OF ORIGINAL APPLICANT David B. Austin
Austin Farm & Property

NAME OF PERSON PURCHASING PROPERTY/TRANSFEROR Randall E. Ford

I UNDERSTAND THAT THE PERMIT TO CONSTRUCT AND UNUSED MONIES FOR INSPECTIONS ARE FULLY RELINQUISHED BY THIS DOCUMENT.

SIGNATURE OF ORIGINAL APPLICANT

[signature] DATE 10/31/96
Agts for Austin Farm and Property

AS BUYER OF THIS PROPERTY, I UNDERSTAND THAT THE PERMIT IS ONLY VALID WHEN USED EXACTLY AS ISSUED. SHOULD CHANGES BE DESIRED, THEY MUST BE REQUESTED AND APPROVED BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT ACCORDING TO CURRENT REGULATIONS AND FEES.

AN ORIGINAL COPY OF THIS REQUEST MUST BE PRESENTED AND ACKNOWLEDGED BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT TO BE VALIDATED.

SIGNATURE OF TRANSFEREE

Randall E. Ford DATE 10/31/96

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 028702

File: 3178 Action 2

Parcel: 001-112-08 ☐ PC

Location: 21416 Pinecrest Place

Subdivision: Island Forest

Lot: 100 Block: Acres: .23

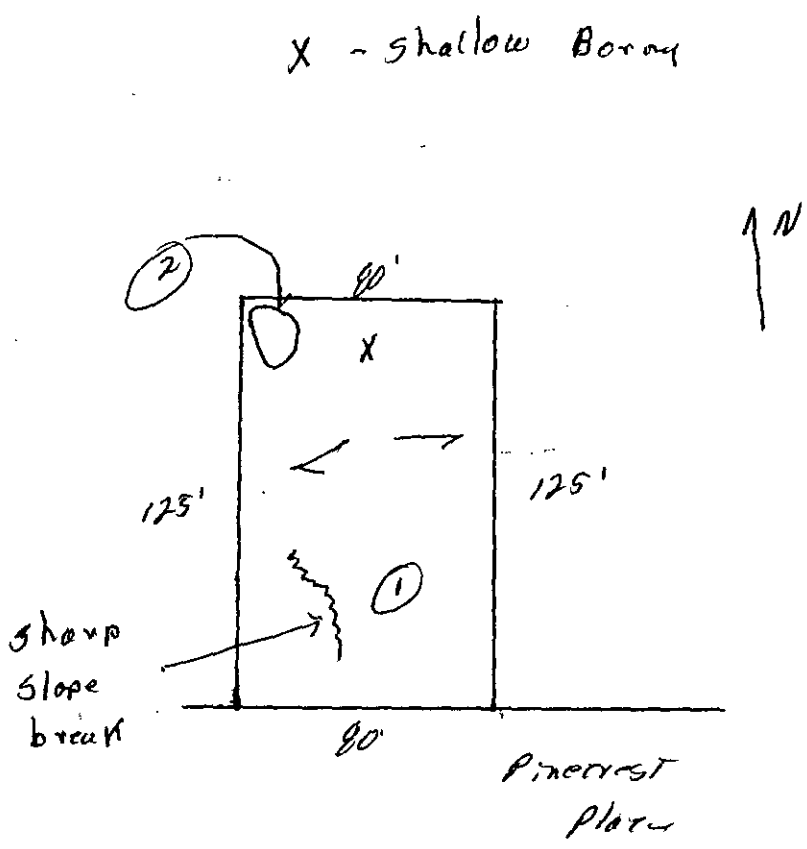
Owner: David & William Austen

Address: PO Box 3067
Concord, N.C. 28025

Comments: 3 gal/ft²/day LTAR recommend drainfield be shallow & based on presence of shallow soils in area

Described by: William A. Marks

Date: 9-19-95



***** EVALUATION KEY *****

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	(S) PS U 6-12%	S PS (U) complex slopes	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U slightly Exp. Clay	S PS U —	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U Blocky	S PS U —	S PS U	S PS U	S PS U	S PS U
Drainage	(S) PS U 7.46" To soil wetness	S PS U —	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U 36-46"	S PS U —	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	(S) PS U 46"	S PS U —	S PS U	S PS U	S PS U	S PS U
Available Space	S PS (U) Restricted	S PS U —	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	IV Cat. 1.1.110	Complex slopes				
Area Classification	S PS (U)	S PS (U)	S PS U	S PS U	S PS U	S PS U

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

3717B

Pd 150.00 ck # 2439 9/7/95 DH
☐ cst

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102

Date: 9-7-95

PERSON FILING APPLICATION:
NAME: ~~David B. Austin~~ AUSTIN (last) David William (first) (mi)
ADDRESS: PO Box 3067 PHONE: (704) 782-1443
CITY: Concord STATE: NC ZIPCODE: 28025

PROPERTY OWNER:
NAME: (Same As above) (last) (first) (mi)
ADDRESS: PHONE: (__) __
CITY: STATE: ZIPCODE:

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: 001-112-08
STREET ADDRESS: Pinecrest Pl 21416
ZONING:

SUBDIVISION OR MOBILE HOME PARK NAME: Island Forest

Township (check one):
☐ 0 Mecklenburg County ☐ 2 Davidson ☐ 4 Pineville ☐ 6 Huntersville
☐ 1 Charlotte ☒ 3 Cornelius ☐ 5 Matthews ☐ 7 Mint Hill

LOT NUMBER: 100 LOT SIZE (in acres):

TYPE APPLICATION (check one):
☒ SOIL TEST - INDIVIDUAL LOT (D)
☐ NEW CONSTRUCTION ON VACANT LOT - 4 BEDROOMS OR LESS (N)
☐ EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
☐ ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or M)
☐ COMMERCIAL OR INDUSTRIAL (N)
☐ SOIL TEST DEVELOPMENT (P)
☐ ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)
☐ MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
☐ REPAIR TO SYSTEM (R)

RESIDENTIAL PROPERTY (Type Building, check one):
☐ SINGLE MOBILE HOME (S) ☒ HOUSE (H) ☐ MULTIPLE FAMILY (U)
☐ DOUBLE WIDE (D) ☐ MODULAR HOME (M) ☐ OTHER _____ (O)

NUMBER BEDROOMS: 3 NUMBER OCCUPANTS:
SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business _____ # Employees ___ Per Shift ___ ___ ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

WATER SUPPLY (check one):
☒ Community (C) ☐ Shared Well (S)
☐ Municipal (M) ☐ Other 'spring' (O)
☐ Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
☐ Swimming Pool ☐ Jacuzzi ☐ Stable/Barn ☐ Workshop ☐ None
☐ Garage ☐ Storage Building ☐ Deck/Patio ☐ Bedrooms ☐ Other

The undersigned, owner, or legal agent for the 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: ✓ [signature] Date: 9-7-95

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the 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 approval is granted by this Department.

...This permit is not transferable.

...

☐ IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
☐ MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
☐ ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Environmentalist Date

Director or Authorized Section Head Date

WATER : 1227(9)

TO: ENVIRONMENTAL HEALTH DEPT.
BUILDING STANDARDS DEPT.
DEPT. OF ENVIRONMENTAL PROTECTION/
SOLID AND HAZARDOUS WASTE

DATE: 9/7/95

FROM: COUNTY ENGINEERING DEPARTMENT

EHD FILE _____ JURISDICTION CODE Coun

PARCEL NUMBER 001-112-08

ASSIGNED ADDRESS 21416 Pinecrest Pl

EXISTING ADDRESS Lot 100

PROJECT NAME N/A

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

		APPROVED	DISAPPROVED
1.	SUBDIVISION REGULATIONS	/	*
2.	FLOODWAY REGULATIONS	/	*
3.	EROSION CONTROL REGULATIONS	/	*
4.	PUBLIC UTILITY EASEMENT	/	*

		PRESENT	NOT PRESENT
5.	PUBLIC UTILITY EASEMENT	*	/
6.	PROPERTY FRONTS ON THOROUGHFARE	*	/
7.	DRIVEWAY PERMIT REQUIRED	*	/

*If checked, further investigation will be required to determine whether a building permit can be issued by Building Standards for the site.

REMARKS: Septic tank

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIER'S OFFICE AT BUILDING STANDARDS WHEN PAYING PERMIT FEES.

A CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL THE TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAYS.

SIGNED: Rwb

OPWEAR 06-88

NEW ADDRESS _____*

FORM 100

CERTIFIED TRUE COPY

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 3717-B Lot 100
PARCEL # 001-112-08

The undersigned, Southeast Structures Corporation, owner of property located at 21416 Pinecrest PL, Cornelius, NC, (the "site") and described in an instrument recorded in Book 08823 at Page 0395/0396 Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, 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 any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

FILE COPY

FILED FOR REGISTRATION	DOC. # 263
DATE 8/14/97	TIME 2:11
BOOK 9202	PAGE 572
STAMPS	REC FEE # 14.00

JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC

1. Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

This instrument was prepared by: Southeast Structures Corporation
Mail after recording to: 20601 Torrence Chapel Road #104-307
Cornelius, NC 28031

- Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located.

- When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to Rule .1961, "Maintenance of Sewage Systems," for further information.)

- Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system.

- At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, 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.

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 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.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this 29 day of July, 1997.

Southeast Structures Corporation (SEAL)

(Corporate Name)

By: _____ (SEAL)

_____ President _____ (SEAL)

_____ (SEAL)

ATTEST:

_____ Secretary

(Corporate Seal)

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

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

WITNESS my hand and notarial seal, this 29 day of July, 1997.

Sheila B. Kerr
Notary Public

My Commission Expires:
7-13-2002

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

I, Sheila B. Kerr, a Notary Public for said County and State, do hereby certify that Elizabeth Gardner personally came before me this day and acknowledged that she is Asst. Secretary of Southeast Structures Corp, a North Carolina corporation, 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 _____ President, sealed with its corporate seal and attested by her as its Asst. Secretary.

WITNESS my hand and notarial seal, this 29 day of July, 1997.

Sheila B. Kerr
Notary Public

My Commission Expires:
7-13-2002

GRAVITY DOSED T&J PANEL SYSTEM PLAN

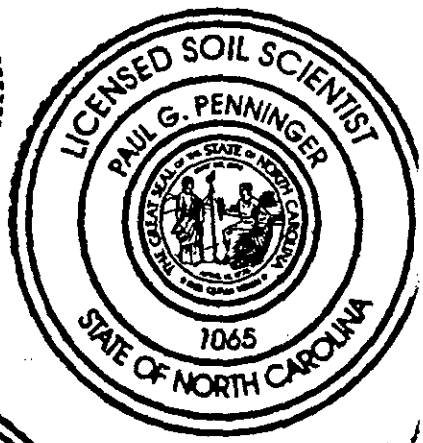
LOT 100- PINECREST PLACE

MECKLENBURG COUNTY - NORTH CAROLINA

by
Toney C. Jacobs & Associates, Inc.
Consulting Soil Scientists
168 Broadbill Drive
Mooresville, N. C. 28115

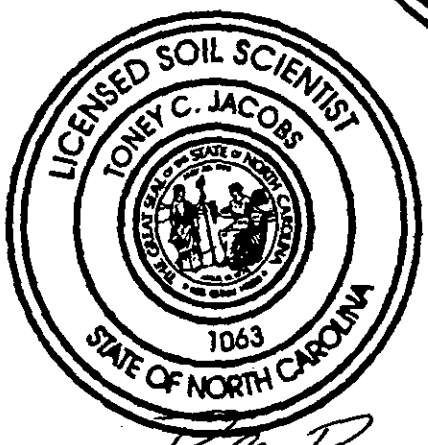
October 28,1996





Submitted to: Mr. Kelly Randall, R. S.
Mecklenburg County Health Dept.
Charlotte, N. C.

Mr. Randy Ford
21412 Bethel Church Road
Davidson, N. C. 28036



Paul G. Penninger

Toney C. Jacobs

Lot #100 - Pinecrest Place

GRAVITY DISTRIBUTION T & J PANEL SYSTEM

Design Considerations

The proposed system is for a 3-bedroom home in a subdivision of single family homes in Mecklenburg County. The lots are generally less than ½ acre with medium sized homes. Lot 100 is approximately 0.23 acre and has 40" of provisionally suitable soil across front of the lot. The lot was recorded prior to January 1983, and 100% repair area is not required.

Soils were evaluated by Mr. Bill Marlin of the Mecklenburg County Health Department and the system layout was by Toney C. Jacobs & Associates. Because of severe space limitations, the panel block system was considered as the best suited system for the lot. The septic system drainfield was flagged in the field as shown in Figure 1. The system will be a gravity dosed panel block system, using 4-50' lines. Fifty feet is the maximum length lines T & J recommends dosing by gravity distribution. There is only limited area on the lot for the proposed system. During construction extreme precautions should be taken to prevent damaging the system area. Flagging or fencing the system area would keep traffic off the system area during construction. If the area is damaged beyond repair, the lot will be deemed unsuitable for a septic system.

Location

The ≈ 0.23 acre building lot is the third lot on the left off of Pinecrest Place.

Reference

[1 *Laws and Rules for Ground Absorption Sewage Disposal Systems 15A NCAC 18A. 1900,* NCDEHNR-DEH.

[2 *Design, Installation and Maintenance of the T & J Panel Wastewater Treatment System for Sanitarians and Septic Tank Installers,* 1988.

Recommendation

Two hundred[200] lineal feet of gravity T & J lines using gravity distribution.

Ownership Responsibility

Conservation measures should be undertaken in plumbing fixture specifications to minimize the volume of wastewater entering the disposal system, including, but not limited to the following precautions:

[a] Provide water conserving plumbing fixtures within the facility. Waterclosets must be 1.6 gal. flush [per code]. Shower head should also have restrictions or be of low volume design.

[b] Develop conservative water use habits.

(c) Monitor and maintain the system as necessary for proper operation. An Operation Permit will not require a maintenance contract to be filed with the Mecklenburg County Health Department for the system.

System must be properly installed by a *qualified* and *competent* contractor following the requirements of the Mecklenburg County Department of Environmental Health, DEH, the N.C. Building Code, Plumbing Code, and the Electrical Code. This plan, as any, is a guide to a minimum standard, but cannot take the place of experience and common sense.

Components of System

1. Two compartment septic tank - 1000 gal.
2. Supply pipe
3. Flow dividers
4. T & J Panels in ground absorption trenches, 2 feet wide, level end to end. If the installer does not understand this or its importance, he should not begin construction until certain of all requirements.

Construction Sequence

1. Lines have been flagged as noted on drawing and in specifications.
2. Clear the area of all organic material with minimum soil disturbance (do not grade). Backfill any low areas with clean sandy loam to natural compaction and look. This includes soil evaluation pits and stump holes.
3. Install trenches per cited reference material and this plan.
4. Carefully backfill distribution trenches to grade with clean clay or clay loam soil fill material which is carefully placed and compacted.
5. The installation contractor shall stabilize the area of construction by planting with Kentucky 31 tall Fescue and mulching. Area to be limed and fertilized with 0.5 tons lime, 75 units of N, 150 units P, and 100 units of K per disturbed acre.
6. *The septic tank shall consist of an approved* 1000 *gallon capacity reinforced*, precast watertight, concrete tank with full baffle and shall have easy access to each chamber from ground level for inspection. The first chamber of the septic tank shall consist of 2/3 to 3/4 of the volume of the total tank and the baffle shall contain a horizontal opening across the tank at about midway . Locate the septic tank at such height as to provide approximately 8" of cover soil over top of the tank.
7. All piping and fitting shall be SCH 40 PVC. Glue for all PVC pipe joints shall be as recommended by the pipe manufacturer.

8. Final Landscaping: After the system is installed, the absorption field should be reshaped to shed rainwater and be free of low areas to insure that the system will not be overloaded with excess rainwater and run-on.

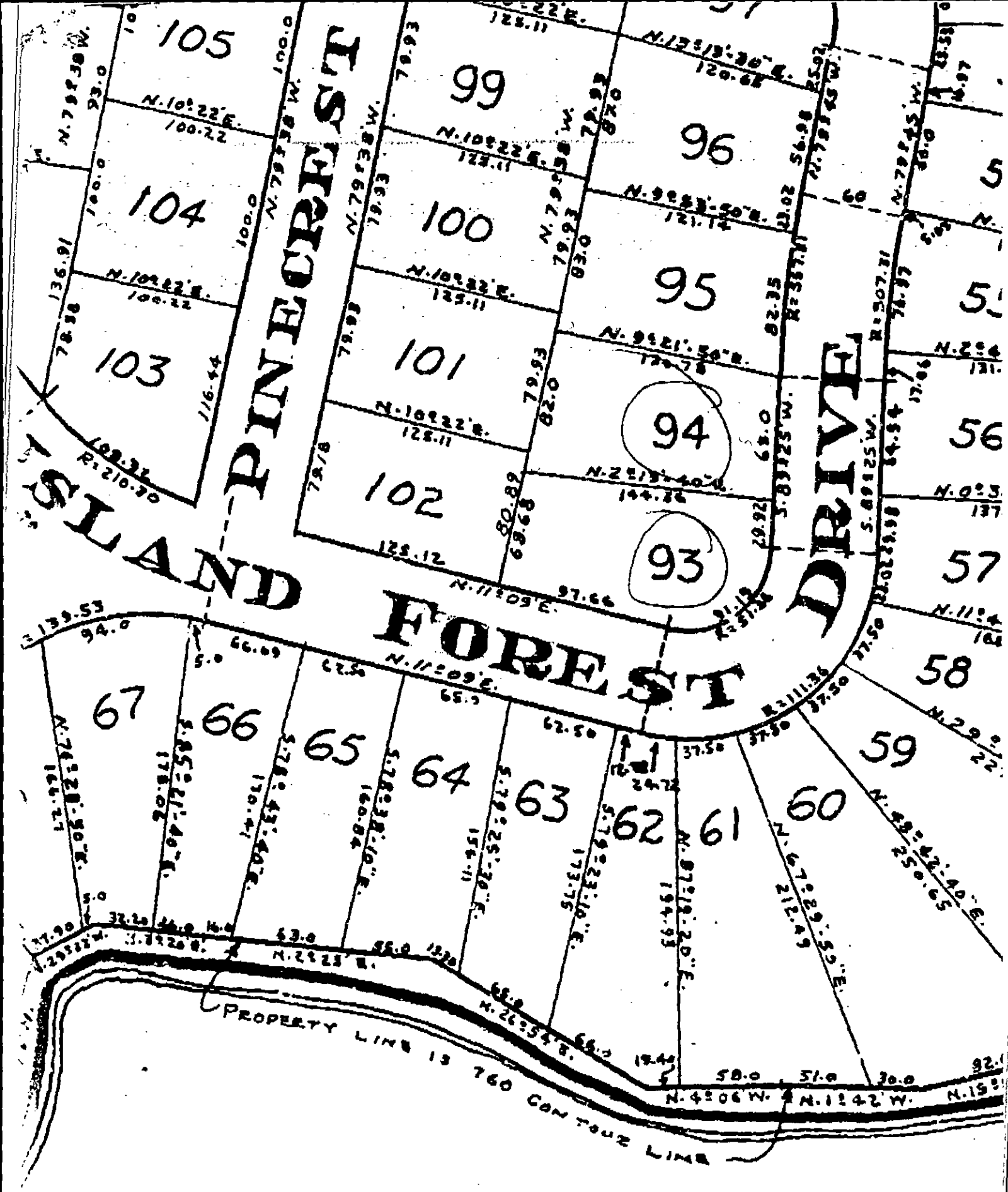
Concluding Note:

This plan was done to facilitate permitting by the Mecklenburg County Health Department by an agent of the owner. Any additions, or additional requirement[s], or deletions to enhance design or workability which will facilitate a permit are welcomed and may be made by note on this plan without returning entire design. The designer realizes that a plan with as many details as this can be changed and/or improved upon. The installer must realize that this is an exact plan and must be installed with exacting measurements. Should the installer desire a change, it must be approved by the health department in writing. Final inspection will also require more time and detail than a conventional system. If there are questions, please give me a call.

Design Specifications

100 Pinecrest Place

Daily design flow:	360 gpd. - 3 bedroom house
Septic tank size;	1000 gal. (2 compartments)
Effluent loading rate:	0.3 gpd/sf
Number and length of trenches:	4 @50' using T & J Panels
Number of panels:	11 per trench; total of 44 panels


PINECREST
FOREST DRIVE
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104
103
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102
96
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93
67
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56
PROPERTY LINE IS 760 CONTOUR LINE

0400 0RT

FEE: _____ **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION**
DATE: _____ **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 12-2-96 **PERMIT NO:** 3717-B
PARCEL NO: 001-112-08

JOB LOCATION ADDRESS: 21416 Pinecrest Places
PROPERTY OWNER: Randall Ford
BUILDING CONTRACTOR: " "
SUBDIVISION NAME: Island Forest
AUTHORIZATION ISSUED BY: _____ **DATE:** 12-2-96
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 3717-B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: -agreement form must be recorded prior to installation approval
-Inspect system

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

Randall E. Ford
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number 3717-B

Tax Number: 001-112-08

The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.

CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.

Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	___ Yes	___ No	___ Partial Basement	
Type Primary Wastewater System Type (circle one): I II III IV V VI	___ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1	
___ Long-term acceptance rate	___ Max gallons/day wastewater flow	___ Absorption Area (sq ft)	___ Trench spacing (min. on centers)	
___ Serviced by private well	___ Gallon septic tank	___ Total trench length (ft)	___ Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)	
___ Bedrooms in residence	___ Gallon pump tank	___ Depth of stone		
Any surface waters present:	Type:	Minimum separation distance:		
Site modifications required:				
Additional Conditions:				
Repair Area System Type Type (circle one): I II III IV V VI	___ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1	
___ Absorption Area (Sq ft) ___ Total Trench Length (Ft)	___ Depth of Stone Trench	___ Trench spacing (min. on centers)	___ Maximum Trench Depth	
For existing system, enter the year originally installed:				

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, 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 Sewage, 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 Approval is granted by this Department
- This Improvement permit is transferable.

12-29-99

DEHNR Authorized Agent Date

Randall C. Ford

Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION