

10551 MT HOLLY-HUNTERSVILLE RD

01703223

1/8/2008

duponbj

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

CERTIFICATE OF COMPLETION/OPERATION PERMIT

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

FILE: 5211B DATE: 4/30/05

TC: 017-032-23 ☐ L ~~☐ CRT~~

SERIAL 19808

Name of Owner James E. Smith Juris.: _____

Address of Property 10551 Mt. Holly - Huntersville Road

Inspection Data:

Tank Material PCC

Total Length of Drainfield 260

Number of Lines 5 @ Varying lengths

Cover Depth 8"

Water Supply Source WELL

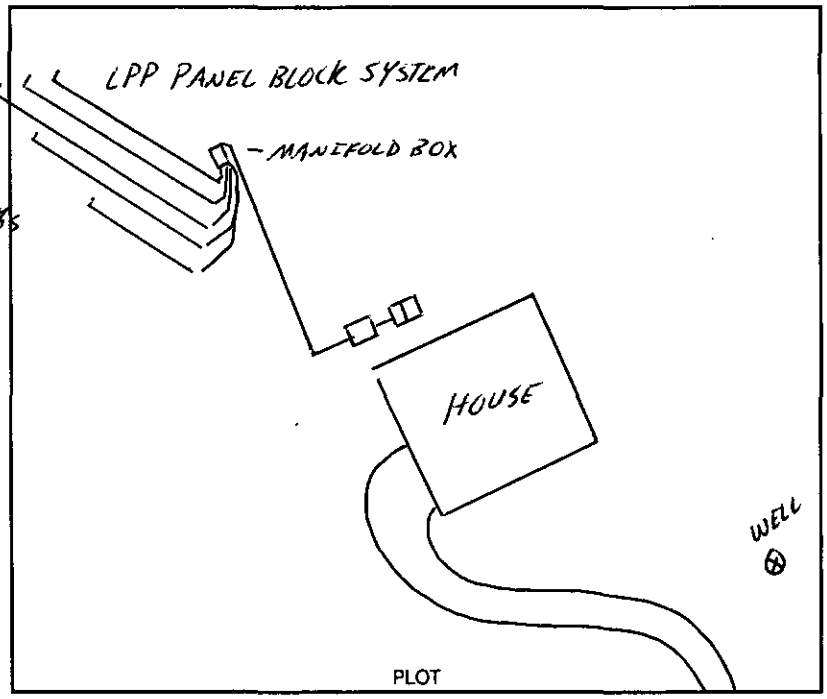
Distance to Water Source >100'

Excavation Inspected 4/28/05

Tank(s) Inspected 4/28/05

Wash Line Inspected —

High Water Alarm Inspected 4/30/05



Design 1500 ST, 1000 DT, P1, MOD 520SFT, LPP PANEL BLOCK CTR# JAMIE

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 15A 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 15A 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: THREE BEDROOM HOUSE

5 Lines @ VARYING LENGTHS (260 TLF)

TYPE III Pump TO PANEL BLOCK SYSTEM

Tommy Melton R.S.
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) 336-5103

FILE: 52118 DATE: 4/25/05

TC: 017-032-23 ☐ L

SERIAL Nº 20017

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 4/14/05. All work shall be completed on or before 5/25/05, 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 SYSTEM
ACCORDING TO DESIGNED
PLANS IN FILE.

PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank 1000 gallons

Tank Construction PCC

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Trench Walls Scored and Porous yes

Total Line Length 360-260 feet

Number of Lines 5 lines

Depth of Stone NA inches

Distance from House >5' feet

Distance from Property Line >10' feet

Distance from Well >100' feet

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

NAME OF OWNER JAMES E. SMITH

LOCATION OF PROPERTY 10551 Mt. Holly-Huntsville Road

Comments: Three Bedroom Residence
5 lines @ varying lengths with LPP.
Type III Pump to Panel Block system

Tommy Mudd, R.S.
Environmental Health Specialist

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

X37450 ND 97779

FEE: 300.00
DATE: 9/29/05
JKA

AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION

ACS

PERMIT NUMBER: 5211B
PARCEL NUMBER: 01703223

JOB LOCATION ADDRESS: 10551 Mt. Holly-Huntersville Road
PROPERTY OWNER: Destiny Homes, LLC
BUILDING CONTRACTOR: Destiny Homes
SUBDIVISION NAME:
AUTHORIZATION ISSUED BY: Jeremy Michelone, R.S. DATE: 09/22/04

Jeremy Michelone R.S.
DENR/DEH AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 5211B, 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 THE 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 CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

5. OTHER CONDITIONS:
   Agreement forms on file before CA release.
   Certified operator agreement on file before O.P. release.

CONDITIONS OF IMPROVEMENT PERMIT

it Number: 5211B

Tax Number: PO 017-032-01

The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be 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

0.24 Long-term acceptance rate	360 Max gallons/day wastewater flow	520 Absorption Area (sq ft)	8' Trench spacing (min. on centers)
Yes Serviced by private well	1500 Gallon septic tank	260 Total trench length (ft)	24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
3 Bedrooms in residence	1000 Gallon pump tank	NA Depth of stone PAVER BLOCK	

Any surface waters present: NO Type: Minimum separation distance:

Site modifications required:

Additional Conditions: Agreement Forms on file before CA Release
Certified Operator on file before O.P. Release

Repair Area System Type Type (circle one): I II (III) IV V VI (EASEMENT AREA) 0.3 LTAR	___ 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

900 Absorption Area (Sq ft) 300 Total Trench Length (Ft)	NA Depth of Stone Trench	9' Trench spacing (min. on centers)	24" 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.

Tommy Michael R.S. 12/22/03
DEHNR Authorized Agent Date

X [signature] 1-22-04
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

To county

017-032-23

5211B

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

CONTRACT FOR INSPECTIONS OF ON-SITE WASTEWATER SYSTEMS
TYPE II, III, IV and V

This Contract is entered into this 28th day of June, 2006 by and between TCW Wastewater Management, Inc., a North Carolina Corporation of Union County, North Carolina (hereinafter "TCW") and Destiny Homes, LLC (hereinafter "The Owner").

Preamble

TCW is contracting with The Owner to provide inspection services as described on Attachment A for the fees or charges also shown in Attachment A.

The Owner owns or controls the property upon which a ground absorption sewage treatment system ("System") is installed, such System being designated as a type II, III, IV or V system under the Rules for Sanitary Sewage Collection. Treatment and Disposal found at 15A N.C. Admin. Code 18A. 1900 et seq.; and 15A N.C. Admin. Code 18A.1961 requires that a condition of the Operation Permit for certain systems be that a properly executed inspection contract between the System Owner and a management entity shall be in effect for as long as the System is in use. TCW is a management entity which employees certified operators of a type authorized by 15A N.C. Admin. Code 18a.1961 to manage and inspect type II, III, IV, and V systems.

In consideration of the premises and of the mutual covenants and promises contained in this Agreement, it is hereby agreed by and between the Owner and TCW as stipulated below.

Conditions of the Contract

A. TCW, in consideration of the payment by the Owner as set out in the schedule of services and charges in Attachment A, incorporated herein, agrees:

1) To provide the services set out in Attachment A according to the minimum schedule of inspections/services required by regulations for the lots or parcels set out in Attachment B.

2) To report results of the inspections to the local environmental regulatory agency having jurisdiction as required by applicable laws or regulations.

3) If inspections indicate the need for System repairs:

a) to notify the local environmental regulatory agency within 48 hours.
b) to give notice to the "Owner" of needed repairs, and, if the necessary repairs are outside the scope of the routine maintenance described in Attachment A, then The Owner may request TCW to provide an estimate. At the authorization of The Owner TCW will perform the necessary repairs at TCW's then prevailing charges for services and materials.

4) If TCW's services are terminated, TCW will notify the local environmental regulatory agency within 48 hours.

B. The Owner, in consideration of the services performed, agrees:

1) To pay TCW for its services according to the schedule of charges as set out in Attachment A.

2) Within 30 days of receipt of notice of repairs under A (3) above, the Owner(s) must provide proof that repairs have been performed by a licensed or qualified entity and the System is functioning properly or request and authorize TCW to complete the needed repairs.

3) To notify TCW promptly of any emergency or malfunction known to it which may violate environmental, health, or other laws and regulations, and to authorize immediate repair as necessary to restore the System to proper function and operation.

4) To use reasonable efforts to provide and to maintain at all times, such access to the Systems as is reasonably necessary for TCW to comply with its obligations under this Agreement.

C. **Terms of the Agreement**

1) This Agreement shall be effective for one year from the date of this contract, and will be automatically renewed from year-to-year thereafter, unless written notice of termination and non-renewal is given to the other party not less than 60 days prior to the end of the then current annual contract year.

2) The real property to be serviced under this contract is listed on Attachment B.

3) This Agreement automatically terminates if the Operation Permit for the system is revoked and all appeals of the revocation are exhausted or time for making an appeal has passed.

4) The parties may terminate at the end of the then current term by consent of each party or by not less than 60 days written notice to the other party prior to the end of the then current contract year, and not less than 30 days written notice to the local environmental regulatory agency.

5) This Agreement may be terminated for cause for breach which remains unremedied after 15 days written notice to the defaulting party.

D. **Limited Warranty**

TCW'S SOLE DUTIES AND RESPONSIBILITIES UNDER THIS AGREEMENT IS TO PROVIDE INSPECTION AND ROUTINE MAINTENANCE ONLY AS SPECIFIED IN THIS AGREEMENT. INSPECTIONS WILL COMPLY WITH APPLICABLE CODES, LAWS, AND REGULATIONS IN FORCE AT THE TIME OF THE INSPECTION AND REPORT. WORK AND MATERIALS USED IN REPAIRS ARE WARRANTED ONLY TO BE OF GOOD WORKMANSHIP, FREE OF DEFECTS, AND CONFORM TO THE SYSTEMS SPECIFICATIONS AND EQUAL TO THE ORIGINAL PARTS AND EQUIPMENT. THE OWNER'S SOLE REMEDY UNDER THIS EXPRESS WARRANTY IS REPAIR OR REPLACEMENT AND CONSEQUENTIAL DAMAGE OR DAMAGES FOR DELAY ARE LIMITED TO TOTAL SUMS PAID TCW UNDER THIS AGREEMENT FOR THE PARTICULAR LOT OR PARCEL FOR THE THEN CURRENT YEAR. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, ARE EXPRESSLY AND SPECIFICALLY EXCLUDED. REPAIRS, REPLACEMENTS, ADDITIONS AND CHANGES BY OTHERS TO THE SYSTEMS COVERED BY THIS AGREEMENT WITHOUT PRIOR NOTICE TO TCW OR ACCEPTANCE OF THE WORK BY TCW DURING THE TERM OF THIS AGREEMENT VOIDS ANY WARRANTY GRANTED HEREIN AS TO TCW.

E. **Miscellaneous**

1) Transfer of rights, responsibilities, and duties under this Agreement by any party shall be valid only on written notice and consent signed by all parties, which consent shall not be unreasonably or arbitrarily withheld.

2) TCW may perform its duties and responsibilities by subcontract but TCW will remain directly liable and responsible to the Owner under the terms of this Agreement.

3) Waiver of default or a breach of the Agreement by any party shall not operate nor be construed as a waiver of further or subsequent defaults or breach of this Agreement. Failure to take action in any default or breach does not bear action on such default at any time subsequent to such breach or default.

4) This Agreement constitutes the entire agreement of the parties, incorporating, and superseding all prior representations and negotiations and may not be changed or amended except in writing signed by the parties. The Agreement shall be interpreted under North Carolina law. Any part of the Agreement declared void, illegal, or unenforceable will not affect other provisions of the Agreement.

5) Disputes arising under this Agreement shall be determined by any method of Alternative Dispute Resolution the parties choose, including but not limited to, mediation or arbitration, under the Uniform Arbitration Act of North Carolina or its equivalent, or such means or methods as the parties agree to in writing.

6) Notices are deemed delivered if delivered in person; by certified or registered mail; by courier; or delivery service, if properly receipted, charges and postage prepaid, as follows:

Owner:
Destiny Homes, LLC
PO Box 235
Harrisburg, NC 28075

TCW Wastewater Management, Inc.
P. O. Box 1830
Indian Trail, NC 28079

Environmental Regulatory Agency:

Mecklenburg DEH
700 N. Tryon St., #211
Charlotte, NC 28202

A party may change its address my giving notice in the manner provided above.

Each party has executed this Agreement with full power, authority, and legal right to enter into; to bind itself to the rights, duties and responsibilities under this Agreement, which is binding on the parties, their successors and assigns, heirs and personal representatives, on the date first above written.

ATTEST:

X _____

OWNER:

X Destiny Homes, LLC By _____

ATTEST: _____

TCW Wastewater Management, Inc.

By: _____

Title: President

License numbers: SS 12248
SI 23910
2WW 24666

EXHIBIT A
TYPE II, III, IV

MONITORING & INSPECTION PLAN

1. **COST:** **INITIAL CONTRACT YEAR:** $275.00 **(2 required inspections)**
$ N/A **(0 required lab)**
$275.00 **Total Initial Year**

RENEWAL YEARS: $275.00 **(2 required inspections)**
$ N/A **(0 required lab)**
$275.00 **Total Renewal Years**

c. The Owner shall pay to TCW the aforementioned sums for each parcel listed on Attachment B. The initial annual fees are payable upon the execution of the contract. Annual billings will be made thereafter and payable within 30 days of billing. The annual billings will be made on the anniversary dates. The annual renewal fees may increase no more than 5% per year. The Owner shall pay to TCW his normal and customary fees for any authorized work performed on the System as a result of non-scheduled service or maintenance calls. These fees are due and payable within 30 days of billing. Payments due to TCW, and unpaid by the Owner after 30 days, shall be assessed late payment fee of 15% per month, accruing monthly on the unpaid balance.

4. **PERFORMANCE DUTIES:**

- Inspections and services that meet state requirements, i.e., inspections of System using an itemized check list, monitoring "septic tanks" to insure proper operation, and make adjustments of imbalances to systems through the distribution devices.
- Inspection report copies are sent to the environmental regulatory agency (if applicable) and homeowner
- New Homeowner Package (educational material about their septic system) is provided
- Emergency service calls at no additional charge.
- 24-hour availability
- The Owner will be advised of any repairs needed and estimated cost or repairs. Repairs will not be made without Owner authorization.
- The Owner will be advised when pumping is recommended

Bacteria Additive Option – Additional $40 per year:

- The addition of a bacterial product into the individual septic tank as needed to maintain the proper level of bacteria.

EXHIBIT B

1. PHYSICAL ADDRESS OF SYSTEM(S):

a. 10551 Mt. Holly-Huntersville Rd
Huntersville NC 28078

Lot 4

b.

c.

d.

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2004 SEP 29 11:19 AM
BK:17809 PG:397-400 FEE:$20.00

INSTRUMENT # 2004209266

2004209266

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 # 5211B
PARCEL # 017-032-23

The undersigned, Destiny Homes, LLC, owner of property located at 10551 Mt Holly-Huntersville RD, (the "site") and described in an instrument recorded in Book 12344 at Page 592, 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:

This instrument was prepared by: Destiny Homes, LLC
Mail after recording to: P.O. Box 235 Harrisburg, NC 28075

-- Any changes on the property may make the Improvement Permit null and void and may make the Improvement Permit subject to revocation.

-- 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 theDepartment, 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 _____ day of _____, 20___.

Destiny Homes, LLC _____(SEAL)
(Corporate Name)

_____(SEAL)

By: _____ _____(SEAL)

Member ~~President~~ _____(SEAL)

ATTEST:

_____

_____ Secretary

(Corporate Seal)

STATE OF NORTH CAROLINA
COUNTY OF Mecklenburg

I, Tamara D Blankenship, a Notary Public for said County and State, do hereby certify that Jeffrey D Yuckel, member Destiny Homes, LLC personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 29th day of September, 2004.

Tamara D Blankenship
Notary Public

TAMARA D BLANKENSHIP NOTARY PUBLIC MECKLENBURG COUNTY, N.C.

My Commission Expires: 11/11/2004

STATE OF NORTH CAROLINA
COUNTY OF _____

I, _____, a Notary Public for said County and State, do hereby certify that _____ personally came before me this day and acknowledged that he is _____ Secretary of _____, 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 _____ as its _____ Secretary.

WITNESS my hand and notarial seal, this _____ day of _____, 20____.

_____
Notary Public

My Commission Expires:

_____

REVISED 8-13-02

Unofficial Document

FOR REGISTRATION JUDITH A GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2004 JAN 12 01:29 PM
BK:18660 PG:633-640 FEE:$32.00

INSTRUMENT # 2004007739

2004007739

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

SEPTIC TANK DRAIN FIELD EASEMENT AGREEMENT

This EASEMENT made this 2 day of January, 2003, by and between

GRANTOR	GRANTEE
Blythe Lackey Clan LLC	Ernest G. Peterson Jr. and Frances R. Peterson 10681 Mt. Holly-Huntersville Rd. Huntersville, NC 28078

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g., corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee an easement as hereinafter described, to run with the land upon that certain lot or parcel of land owned by Grantor and located in the City of Huntersville, _____ Township, Mecklenburg County, North Carolina, and more particularly described as follows:

This instrument was prepared by: Susan E. Ross

Mail after recording to: 19410 Jetton Road Suite 110 Cornelius NC 28031

UNOFFICIAL DOCUMENT

Grantor's Parcel:
Mecklenburg Tax Parcel No. 01703205 as shown on a page of the County Tax Map attached hereto as Exhibit A

As described as shown on Deed 8455|764 recorded in Map Book 40 Page 5 (if applicable)

See the plat attached hereto as Exhibit B and the parcel shown thereon identified with Grantor's name for the legal description of Grantor's parcel and of the Septic Tank Drain Field Easement Area located thereon, said parcel labeled thereon and hereinafter referred to as the "Easement Parcel."

Grantor hereby imposes said easement for the benefit of Grantee as the present owner and for the benefit of future owners of the following lot or parcel of land, situated in the City of Huntersville Township, Mecklenburg County, North Carolina, and more particularly described as follows:

Mecklenburg Tax Parcel No. 01703223 as shown on a page of the County Tax Map attached hereto as Exhibit A
Lot 4 Block _____ of Mecklenburg recorded in Map Book 40 Page 5 (if applicable)

See the plat attached hereto as Exhibit B and the parcel shown thereon identified with Grantee's name for the legal description of Grantee's parcel, said parcel labeled thereon and hereinafter referred to as the "Benefited Parcel."

Said Easement shall enable the Grantee to place, if, as and when needed, such need to be determined by the Grantee in his sole discretion, a septic tank and drain field or portions thereof, upon the Septic Tank Drain Field Easement Area on the Easement Parcel and to inspect, maintain, repair and replace the components of said septic tank and drain field at any time and from time to time. If the Easement Area also includes a connector strip for ingress and egress, Grantee shall have the right to use said connector strip for access as needed. *This Easement may not be altered, amended or cancelled without the express written permission of the Mecklenburg County Health Department, which written permission must be part of any document recorded to alter, amend or cancel this Easement.* This Easement shall automatically expire, however, should Grantee ever hook up the structure located or to be located on the Benefited Parcel to a public or community sanitary sewage system but shall otherwise be perpetual.

Grantor acknowledges that the Septic Tank Drain Field Easement Area cannot be used and will not be used for any of the following activities or in any of the following ways:

- Grading or filling
- Parking or driving heavy equipment in the area or in any other way compacting the soil in the Area
- Excavating soil from the Area
- Placing footings or foundations or engaging in any other construction activity in the Area
- Placing in-ground or above-ground swimming pools in the Area
- Placing irrigation systems in the Area

- Placing underground utility lines or cables in the Area
- Planting trees or gardens in the Area
- Removing any large trees in the Area unless dead or diseased
- Using the area for the burial of stumps, trash, or any other type of construction material
- Using the Area for gravesites
- Diverting the natural flow of water onto the Area by way of drainage ditches or diversion ditches or using the Area to receive water from any gutter or downspout discharges

IN WITNESS WHEREOF, the Grantor and Grantee have hereunto set their hands and seals, or if corporate, have caused this instrument to be signed in their corporate names by their duly authorized officers and their seals to be hereunto affixed by authority of their Boards of Directors, the day and year first above written.

GRANTOR

Blythe Landing Center LLC _____ (SEAL)
(Corporate Name)

BY: _____ _____ (SEAL)
_____ President

ATTEST: _____ (SEAL)

_____ _____ (SEAL)
_____ Secretary (Corporate Seal)

SEAL-STAMP

North Carolina, Mecklenburg County

I, Anna P. Gatlin a Notary Public of the County and State aforesaid, certify that _____ Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. WITNESS my hand and official stamp or seal, this 8th day of January, 2004

My Commission Expires: 10-30-2005 Anna P. Gatlin
(Notary Public)

Unofficial Document

UNOFFICIAL DOCUMENT

SEAL-STAMP North Carolina, Mecklenburg County

I, Anna P. Gatlin, a Notary Public of the County and State aforesaid, certify that ~~Ernest G. Peterson, Jr.~~ Louise L. Blythe personally came before me this day and acknowledged that ~~s~~ he is aq ~~Secretary~~ of Blythe Lock Clan LLC president a corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its _____ President, sealed with its corporate seal, and attested by _____ as its _____ Secretary. WITNESS my hand and official stamp or seal, this 8th day of January, 2004.

My Commission Expires: 10/30/2005 Anna P. Gatlin (Notary Public)

GRANTEE

Ernest G. Peterson, Jr. Ernest G. Peterson, Jr. (SEAL)
(Corporate Name)

BY: _____ Frances R Peterson (SEAL)
_____ President

ATTEST: _____ (SEAL)

_____ _____ (SEAL)
_____ Secretary (Corporate Seal)

SEAL-STAMP North Carolina, Mecklenburg County

I, Anna P. Gatlin, a Notary Public of the County and State aforesaid, certify that Ernest G. Peterson, Jr. and Frances R. Peterson Grantee, personally appeared before me this day and acknowledged the execution of the foregoing instrument. WITNESS my hand and official stamp or seal, this 8th day of January, 2004.

My Commission Expires: 10/30/2005 Anna P. Gatlin (Notary Public)

SEAL-STAMP

North Carolina, Mecklenburg County

I, Anna P. Gatlin, a Notary Public of the County and State aforesaid, certify that Frances R. Peterson personally came before me this day and acknowledged that s he is _____ Secretary of _____, a corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its _____ President, sealed with its corporate seal, and attested by _____ as its _____ Secretary. WITNESS my hand and official stamp or seal, this 5th day of January, 20 04.

My Commission Expires: 10/30/2005 Anna P. Gatlin (Notary Public)

This document is not to be recorded until approved by the Mecklenburg County Health Department.

APPROVED AS TO THE SEPTIC REPAIR AREA REQUIREMENTS:

MECKLENBURG COUNTY HEALTH DEPARTMENT

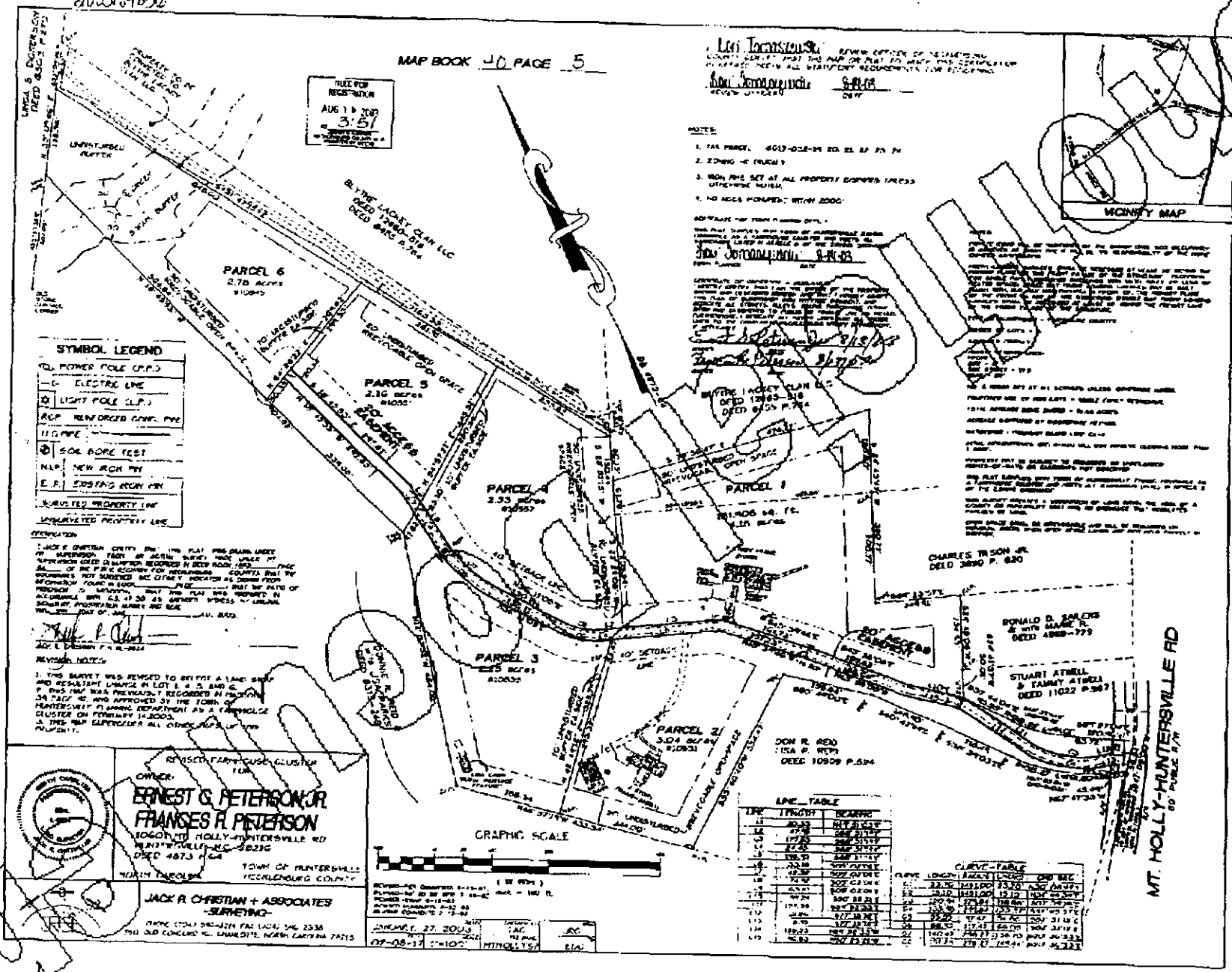
BY: Kelly Randall DATE: 12 19 03

Kelly Randall
(print name)

Approval by the Mecklenburg County Health Department does not certify or extend to matters of title. The purchaser of property subject to or affected by this easement is responsible for ascertaining all matters affecting the validity and enforceability of this instrument.

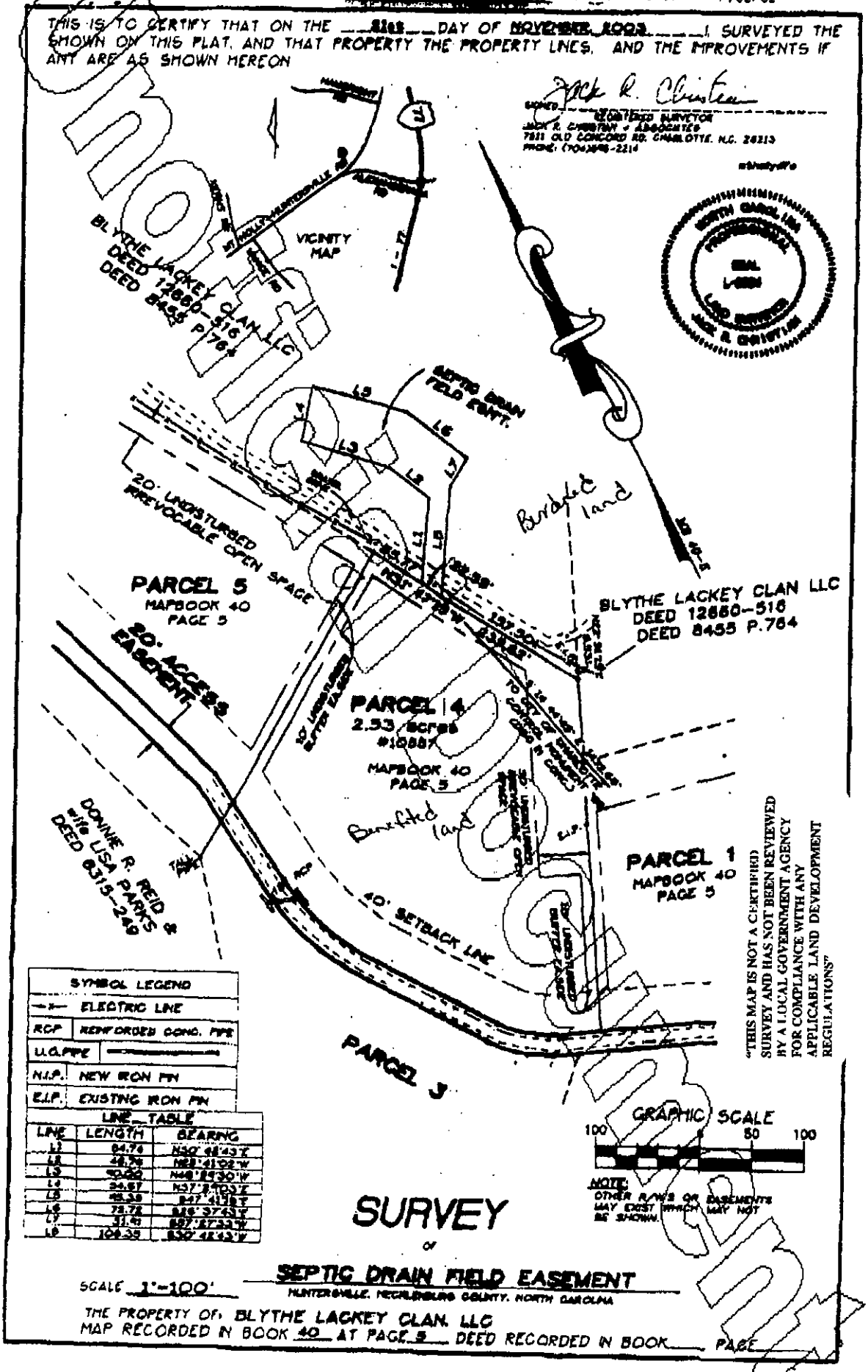
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200318985



FOR REVIEW

EXHIBIT B


THIS IS TO CERTIFY THAT ON THE 21st DAY OF NOVEMBER 2003 I SURVEYED THE SHOWN ON THIS PLAT, AND THAT PROPERTY THE PROPERTY LINES, AND THE IMPROVEMENTS IF ANY ARE AS SHOWN HEREON
SIGNED
REGISTERED SURVEYOR
JACK R. CHRISTIAN & ASSOCIATES
7811 OLD CONCORD RD. CHARLOTTE, N.C. 28213
PHONE: (704)598-2214
NORTH CAROLINA PROFESSIONAL SEAL L-4884 LAND SURVEYOR JACK R. CHRISTIAN
VICINITY MAP
BLYTHE LACKEY CLAN LLC DEED 12660-516 DEED 8455 P.764
SEPTIC DRAIN FIELD EXPT.
20' UNDISTURBED IRREVOCABLE OPEN SPACE
PARCEL 5 MAPBOOK 40 PAGE 5
20' ACCESS EASEMENT
PARCEL 4 2.53 acres #10887 MAPBOOK 40 PAGE 5
BLYTHE LACKEY CLAN LLC DEED 12660-516 DEED 8455 P.764
Disturbed land
Disturbed land
PARCEL 1 MAPBOOK 40 PAGE 5
DONNIE R. REID & WIFE LISA PARKS REID DEED 6315-249
40' SETBACK LINE
PARCEL 3
SYMBOL LEGEND
ELECTRIC LINE
RCP REINFORCED CONC. PIPE
U.G. PIPE
N.I.P. NEW IRON PIN
E.I.P. EXISTING IRON PIN
LINE TABLE
LINE LENGTH BEARING
L2 84.74 N30°48'43"E
L3 48.76 N68°41'02"W
L5 50.00 N48°15'30"W
L6 34.67 N37°39'05"E
L7 48.38 S47°41'58"E
L8 78.78 S18°37'43"W
L9 31.41 S87°27'33"W
L10 109.39 S30°48'43"W
"THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS"
GRAPHIC SCALE
100 50 100
NOTE: OTHER R/W'S OR EASEMENTS MAY EXIST WHICH MAY NOT BE SHOWN.
SURVEY OF
SEPTIC DRAIN FIELD EASEMENT
HUNTERSVILLE, MECKLENBURG COUNTY, NORTH CAROLINA
SCALE 1"=100'
THE PROPERTY OF: BLYTHE LACKEY CLAN, LLC
MAP RECORDED IN BOOK 40 AT PAGE 5 DEED RECORDED IN BOOK ____ PAGE ____

Unofficial Document

JUDITH A. GIBSON
REGISTER OF DEEDS, MECKLENBURG
COUNTY & COURTS OFFICE BUILDING
720 EAST FOURTH STREET
CHARLOTTE, NC 28202

****

Filed For Registration: 01/12/2004 01:29 PM
Book: RE 16660 Page: 633-640
Document No.: 2004007739
ESMT 8 PGS $32.00

Recorder: LINDA CASTLEBERRY

****

State of North Carolina, County of Mecklenburg

The foregoing certificate of ANNA P GATLIN Notary is certified to be correct. This 12TH of January 2004

JUDITH A. GIBSON, REGISTER OF DEEDS By: Linda C. Mayo
Deputy/Assistant Register of Deeds

****

2004007739

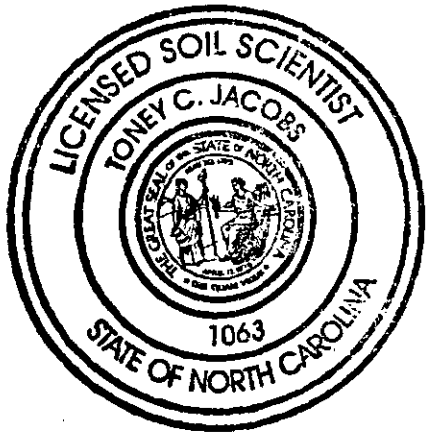
RESIDENTIAL LOW PRESSURE T & J PANEL
SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
PETERSON FARMHOUSE CLUSTER – LOT 4

MCHD FILE # 5211B

Prepared for:
Mr. Ernest Peterson, Jr.
10601 Mt. Holly-Huntersville Road
Huntersville, North Carolina 28216

Prepared by:
Toney C. Jacobs & Associates, Inc.
168 Broadbill Drive
Mooresville, North Carolina 28117
office (704) 663-6905
fax (704) 662-9845
e-mail jacobs@i-america.net

November 26, 2003



Copy: Mr. Jeremy Michelone, R.S.
Mecklenburg County Health Dept.-IWWS
700 N. Tryon Street
Charlotte, N.C. 28202

Toney C. Jacobs, CPSS, LSS

BACKGROUND

Lot 4 Peterson Farmhouse Cluster is in a new subdivision in Mecklenburg County. Subdivision is in an area of widely spaced houses on farms or tracts. Mr. Bill Marlin, LSS, of the Mecklenburg County Health Department (MCHD), evaluated the soils on the lot. He classified the soils in a small corner of the lot as provisionally suitable at a 0.25 gpd/ft^2 LTAR. The County evaluation included numerous auger borings and one ps pit near the middle of the ~ 2800 sq. ft. of suitable area.

Toney C. Jacobs and Associates, Inc. flagged and laid out the proposed system. TCJ & Assoc. also placed numerous auger borings to be sure the system was being placed in suitable soil. Due to the limited available space on the lot, a T & J panel block system with 360 ft of line for the primary system is planned. The proposed system will be a Type IV and require a maintenance contract with a certified operator. As stated previously, each line of the proposed system is flagged in the field, as shown on the attached site plan. The repair is proposed as a 25% reduction system, pressure dosed, on an easement on the adjoining property. This area was first identified as ps by TCJ & Assoc. and then later evaluated and approved by Bill Marlin. (map included)

APPLICATION INFORMATION

1. Prepared for:
   Owner:

   Mr. Ernest Peterson, Jr.
   10601 Mt. Holly-Huntersville Road
   Huntersville, North Carolina 28227

   Soil Scientists
   and Designers: Toney C. Jacobs, CPSS, LSS
   Mr. Paul Penninger, LSS
   Toney C. Jacobs & Associates, Inc.
   168 Broadbill Drive
   Mooresville, NC 28117
   (704) 663-6905 (Office)
   (704) 662-9845 (fax)
   E-mail jacobs@i-america.net

2. Water supply is provided by an on-site well greater than 100' from any part of the septic system.
3. Facility to be served by the proposed system is a 3-bedroom single family residence.

LOCATION

The property is located left of a private drive off Mt. Holly-Huntersville Road, just past Alexanderana Road.

REFERENCES

Design and Installation of Low Pressure Pipe Waste Treatment Systems by: Craig Cogger, Bobby L. Carlile, Dennis Osborne, Ed Holland; published by UNC Sea Grant College Pub. UNC-SC-82-03, May 1982.

Law and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment Health and Natural Resources, August 1, 1998.

T & J Design Manual.

PLANS AND SPECIFICATIONS FOR SPECIFIC SYSTEM COMPONENTS

Septic Tank

1. The septic tank receives wastewater directly from the house.
2. A septic tank shall be watertight, structurally sound, and not subject to excessive corrosion or decay.
3. The septic tank must be of two-compartment design for maximum solids retention. The inlet compartment of two-compartment tank shall hold between two-thirds and three-fourths of the total tank capacity.
4. Effluent from the two-compartment septic tank flows by gravity through a State approved effluent filter and a four-inch solid PVC pipe to the pumping tank.
5. Both the septic tank and pumping tank must be provided with above ground approved manhole risers to provide easy access for clean-out and pump service.
6. When prefabricated concrete tanks or tanks of other material are used, they shall be constructed in accordance with the plans which have been approved by the State and shall comply with all requirements of Section .1953 of 15A NCAC 18A.
7. On the outlet tee of the septic tank an effluent filter must be installed. This filter should be equivalent to a Zabel Model A1800 or other State approved unit supplied by the tank manufacturer.

Pumping Tank

1. The pumping tank shall have an access manhole extending at least 6 inches above finished grade.
2. A septic tank effluent pump that will not be corroded by sewage shall be used in the pumping tank.
3. The pump must be placed on two concrete blocks set next to each other on the bottom of the tank. This prevents the pumping of any solid particles that can clog the system.

4. A piece of nylon rope or other non-corrodible material should be attached to the pump and to the outlet pipe for lifting the pump in and out of the chamber.
5. The lower level control or "pump-off" must be positioned above the pump, so that the pump remains submerged at all time.
6. The pump outlet pipe should be connected to the supply manifold with a threaded PVC union to allow quick removal.
7. Pump and Simplex control circuits shall be provided with manual circuit disconnects within a watertight, corrosion-resistant, outside enclosure (NEMA 4X or equivalent) adjacent to the pump tank, securely mounted at least 12 inches above finished grade. Pump control (Simplex) may be mounted on side of house if long cord pump is used. The pump shall be manually operable without requiring the use of special tools or entrance into the tank for testing purposes. Conductors shall be conveyed to the disconnect enclosure through water proof, gas proof, and corrosion-resistant conduits, with no splices or junction boxes provided inside the tank. Wire grips, duct seal or other suitable material shall be used to seal around wire and wire conduit openings inside the pump tank and disconnect enclosure. There shall be two electric circuits for controls: one for pump power, one for the alarm. These will require 2 circuit breakers.
8. The pump tank shall have a properly functioning high-water alarm. The alarm circuit shall be supplied ahead of any pump overload and short circuit protective devices. It should be on a separate electrical circuit from the pump power line. The alarm shall be audible and visible by system users and included in the pump and control enclosure (Simplex Panel). The alarm is activated if the water level in the pump tank rises above the "pump-on" float control. The tank provides at least one day or more of excess storage capacity (depending on water use in the home) during which time the system must be repaired.
9. Float switch for the high water alarm shall be set no more than 3 inches above the high water level of pump cycle.
10. Float switch tie downs to be made of corrosion resistant material, no tape or metal hose clamps. For maintenance flexibility, tree must be used to set floats.
11. Watertight testing per .1900 rules shall be required on two piece pump tanks.
12. Wiring between the pumping tank and the house should meet State and local code requirements.

Pipe and Fittings

1. All pipes and fitting should be made of SCH 40 PVC.
2. All joints must be sealed with appropriate PVC-solvent cement.
3. There should be a threaded PVC union above the pump to allow easy removal or replacement.
4. A gate valve for final pressure adjustment is installed in the supply line inside the pumping tank.
5. Manifold and valve as shown in specifications.
6. Lateral lines are made of 1 1/4 inch SCH 40 PVC placed in T & J panels. Holes in laterals are drilled on-site.
7. The end of each lateral is equipped with a capped "turn-up" that provides above ground access for clean-out or back flushing of the laterals. Using (2) 45-degree elbows rather than a 90-degree elbow for the turn-ups will make clean-out easier.

CONSTRUCTION INSTALLATION

Site Preparation

1. One of the most important concerns for an on-site system is to protect the site from soil disturbance by heavy equipment. This site has some minor tree clearing required, but if done with caution the septic field should not have to be restaked. No equipment should be on drainfields until the clearing for installation of septic system.
2. Now that the absorption area has been designed and flagged, it should be cordoned off and protected from construction traffic.

Tank Installation

1. The two-compartment septic tank is installed.
2. The pumping tank is installed next to the septic tank.
3. The tanks are connected with an appropriate length of solid, four-inch PVC pipe.

Supply Manifold

1. The supply manifold conveys effluent from the pump to the distribution laterals.
2. Design of the manifold is shown on attached diagrams.
3. After the supply manifold has been placed in its trench and lateral lines connected, it should be backfilled with tightly tamped soil. The supply manifold trench must not be backfilled with gravel, or the trench may become a conduit for downslope flow effluent from the laterals.

T & J Lateral Lines

1. Install T & J Panels per cited reference material and this plan.
2. Trenches shall be 24" wide, and 8' minimum on center. This layout has a minimum 9' o.c. Trenches shall be "level" from end to end.
3. There should be one 5/32 inch hole near the center of each panel, pointed up. (Note this system uses five valves; one on each lateral.)
4. A short turn-up with a capped end is at the end of each lateral. The capped end must be brought up above or flush with the final grade. Using two 45-degree elbows for constructing cleanouts is recommended. A larger diameter sleeve with cap or approved box with lid shall be placed over the turn-up.

PROPER OPERATION CHECK AND PRESSURE HEAD ADJUSTMENT

1. After all connections have been installed and connected, the system should be checked for proper operation. With electrical power turned off, fill the pump tank with a garden hose until the liquid rises to the level of the high-water alarm float.
2. Turn on the electrical power. The alarm light should go off when the liquid level falls below the high-water float. The pump should turn off when the liquid reaches the lowest float control. Be sure the pump is still completely submerged.

3. The pressure head is measured as the height liquid will rise above the turned-up elbow when the pump is running. To set or check the pressure head:

   - Glue a three-foot length of pipe (preferable clear) to a threaded adapter that will screw onto the turn-ups at the end of each lateral.
   - Replace each turn-up cap with the pipe and adapter.
   - Turn the power on to allow liquid to rise in the pipe.
   - Adjust the gate valves until the effluent reaches the desired height in the pipe. Remember to include the distance below the ground surface to the lateral line when measuring the height.

FINAL LANDSCAPING

1. After the system is installed, the following should be checked to ensure that the system will not be overloaded with excess rainwater and runoff:
   - The distribution field is shaped to shed rainwater and is free of low areas.
   - No depression to allow surface water infiltration.

2. Finally, the entire area should be planted with grass in order to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized before planting. After applying an appropriate grass seed, the area should be heavily mulched with straw or other suitable material.

QUALITY ASSURANCE REQUIREMENTS

The system must be installed by a qualified, contractor that is on the Mecklenburg County list of competent contractors. Critical stages of the installation, which should be checked, are:

1. System layout
2. Septic and pump tank installation prior to backfilling.
3. Manifold and lateral installation prior to backfilling.
4. Final landscaping, operation and pressure head check.

The system design is based on a maximum waste flow of 480 gallons per day. Homeowners should pay particular attention to the section titled Homeowner Suggestions for ways to minimize the burden on the system.

OPERATION AND MAINTENANCE PROCEDURE

The system is classified as **Type IV and DOES require a maintenance contract** with a certified operator. The contract shall be executed between the system owner and a management entity prior to the issuance of an Operation Permit. The contract shall include the specific requirements for maintenance and operation, responsibilities of the owner and system operator, and provisions that the contract shall be in effect for as long

as the system in use.

Operating, Maintenance and Inspection procedures shall include, but not be limited to the following:

- Minimum inspection/maintenance frequency shall be 2 times per year, with reporting frequency every 6 months to the local health department.
- Septic system shall be pumped every 4 years or when solids accumulate to 1/3 the volume of the tank.
- At 6-month intervals, inspect the effluent filter. When washing the filter, debris must be sprayed directly back into the septic tank and not onto the lawn.
- All laterals shall be checked and if necessary, flushed annually with clean water.
- Pressure head for laterals should be checked and adjusted one month after installation and semi-annually thereafter.
- All piping and fittings shall be checked annually for damage and/or proper operation and corrections made immediately.
- The property should be inspected to insure all surface water is diverted away from the fields and tank. Any ponding of surface water should be corrected.
- Grasses shall be mowed and maintained and any erosion shall be corrected promptly.
- The nitrification field area shall be checked for leakages, blowouts or malfunction, indications of damp or mushy areas compared to surrounding area or evidence of noticeable odor of sewage. Repairs shall be made immediately.
- The pump electrical should be checked to insure tight, clean connections with no corrosion and proper operation.
- Pump switches shall be checked for free operation and proper level set.
- Pump draw down depth and delivery rate shall be checked each year.
- Check septic tank and pump tank for evidence of damage or leakage. Check the quality of effluent including grease and sludge accumulation.

The system operator, in conjunction with the local Health Department shall establish an operation and maintenance program and procedure based on experience obtained from similar installations.

HOMEOWNER SUGGESTION

Most systems do not require much effort to operate and maintain. Even though the effort is small, the system must be maintained properly so that it operates reliably and at a minimum cost. Following are suggestions for the homeowner to minimize the burden on the septic system.

1. Garbage disposals should not be used in on-site systems. The ground garbage adds large amounts of solids to a septic tank, causing sludge to build up at a quicker rate than without. If disposal is installed, use should be limited.
2. Grease, cooking oils and coffee grounds should never be put into a septic tank.
3. Items such as disposable diapers, cigarettes, facial tissues and other solid or paper wastes should not be flushed into the on-site system.

4. Used motor oil and other such oily liquids should not be put into a septic tank.
5. Using less water can reduce the amount of water flowing to the treatment and disposal field.
6. Water-saving fixtures and devices can be installed on sinks, toilets and showers to reduce the rate at which the water flows from the fixture.
7. Dishwashers and washing machines should only be run with full loads.
8. Leaky faucets and toilets can add large volumes of water to the daily flow of water into the on-site system. Repair the leaks to save water and give the treatment and disposal field a rest.
9. Roof drains, basement sump pumps, foundation drains, and other such drains should not empty into or onto the surface near the on-site system. These drains should be directed to another part of the lot away from the treatment and disposal field.

DESIGN SPECIFICATIONS (Lot 4 Peterson Farmhouse Cluster)

Daily design flow:	360 gpd.
Septic tank size:	1500 gal. (2 compartments)
Pumping tank size:	1000 gal.
Effluent loading rate, Initial system	0.24 gpd/ft^2
Effluent loading rate, Repair system	0.3 gpd/ft^2
Total length and diameter of supply pipe:	approx. 100 ft. 2" SCH 40 PVC)
Number and length of laterals:	5 @ varying lengths, end-fed (1¼ SCH 40 PVC
Hole size:	5/32"
Hole spacing:	1 per panel
Total number of holes:	60 (one in each T & J Panel near the center with the hole turned up) (approx. 1 panel per 54" of run)
Flow rate through the system:	30 gpm
Elevation head:	Approx. 10'
Pressure head:	3.0'
Friction head:	2.0'
20% contingency	3.0'
Total head:	18.0'
Pump requirements:	30 gpm at 18.0' of head; use Goulds WE 03L pump or equivalent with compatible electrical
Dosing volume:	210 gal. – ~1.7 doses/day at design flow*
Depth of water pumped per dose:	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump run per dose:	approx. 6.8 min
Check valve:	No
Siphon break hole:	yes

* Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

OPEN SPACE

L 5

res

51

GRAVEL DRIVE

20' buffer

235.82'

N22° 51' 15" E
8.53'

E.I.P.

approx limit of ps soil boundary marker

Strg Preserve mark/ell box

Water line

1000gal pump-house

500gal septic tank

50' UNDISTURBED IRREVOCABLE OPEN SPACE

80.15'

S 22° 51' 15" W
150.44'

61.76'

E.I.P.

S 22° 25' 05" W
205.59'

10' UNDISTURBED BUFFER EA. SIDE

PARCEL 4
2.53 acres
#10557
#52118
~ house box

L6 N 54° 37' 21" E - 345.31'

280.59'

10' UNDISTURBED BUFFER EA. SIDE

23.10'

L7

L8

L9

RCP

C7

C8

40' SETBACK LINE

N36° 11' 05" W
130.11'

130.11'

S36° 11' 05" E

C5

L2

C6

L4

1" = 50'

Design, Installation and Maintenance

of the

T & J Panel Wastewater Treatment System

For

Environmental Health Specialist

And

Septic Tank Installers

Although this manual is sectioned for specific user groups, we at T & J Panel suggest that you familiarize yourself with the complete manual. Sixth Edition.

System Design

In the early days of the T & J Panel system when it was still Considered an experimental system the primary reason for permitting the Panel System was because of insufficient space for a conventional system. Now with inclusion in the Sewage Regulations [10NCAC 10A .1956 (3) (a) (ii)] , the Panel System should be considered when a quality effluent may be needed, space is limited, usable soil is limited, or there are indications that at some future time space may be needed for other development. When there is a trend for added development such as additions to homes, pools, or other special landscaping development the T & J Panel System may prevent insufficient space later. As the environmental health specialist who is designing a system, and you can foresee such a trend of continued development, the Panel System may be an option the home owner would like to utilize.

As noted in the regulations a PPBPS is only permitted where soils are suitable, provisionability suitable, or reclassified provisionability suitable, however only one half of the area needed for a conventional system is required. This is one reason that the Panel System can help you use the best soils available on the lot. The system can be gravity fed, pumped to pressure manifold and gravity fed into the lines, or pumped to Low Pressure Panel lines. Most of the concepts for a Panel System layout are the same as for a conventional system. The biggest difference being the areal area needed and the quality of effluent being introduced into the ground.

The T & J Panel system can be installed as either gravity, pump to gravity, pump to pressure manifold, or low pressure pipe distribution system. When designing a pressure system the principles of low pressure distribution are as described in the LPP manual. There is futher discussion on pressure systems in the installer section of this manual.

Conversion

A three bedroom house with a 0.4 gpd application rate. (The first three steps are the same as for the conventional system.)

1) 120 gallons per bedroom x 3 bedrooms = 360 gallons per day design flow rate.

2) 360 gallons flow rate / 0.4 application rate = 900 sq. ft. of conventional trench bottom.

3) 900 sq. ft. / 3 ft. wide trench = 300 lineal feet of conventional system.

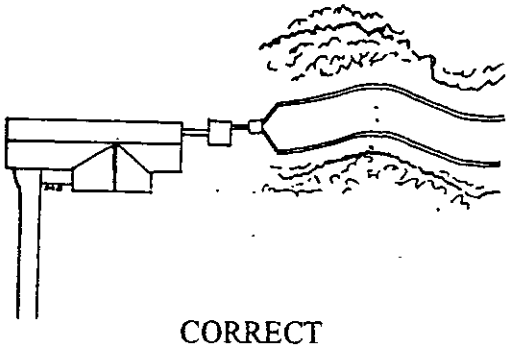
This conventional layout requires 2700 sq. ft. of area on the lot with another equal area of repair space for a total of 5400 sq. ft. of suitable usable area. To calculate the size of the T & J Panel system , the above calculations must be made with an additional fourth step as described in 10NCAC 10A .1956 (3) (a) (ii) (B) for a PPBPS, (the T & J panel system).

4) 300 lineal feet of conventional system x 0.5 for a 16 inch high Pane System = 150 lineal feet of T & J Panel System.

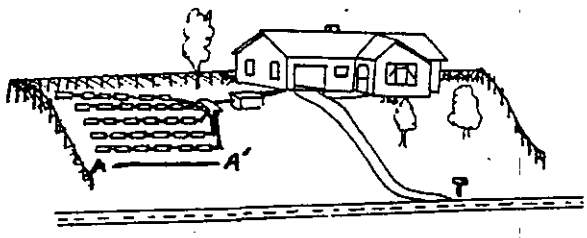
A Panel System requires only a 1200 sq. ft. area on the lot for the system with an equal area for repair, for a total of 2400 sq. ft. . With the panel system the installation and repair can go into the same area as the initial area required for a conventional gravel trench system.

Window Effect

To prevent hydraulic overload in the soil areal space should always be a consideration for any system, however, it is especially notable with the Panel System as with any system that reduces the size of the areal area drainfield. The following is a simplistic example of this concept.



CORRECT

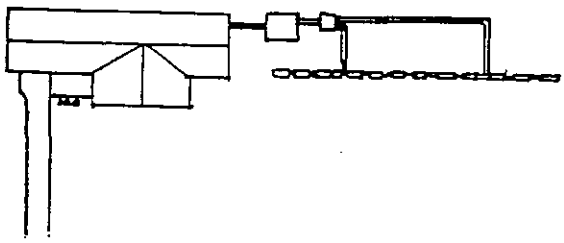


INCORRECT

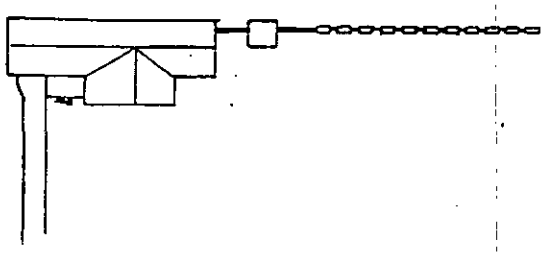
While both systems have the same lineal footage of trench the incorrect diagram is not a desirable design. The effluent must pass through the area A-A' which can cause a strain on that area and even a failure because of hydraulic overloading.

Distribution

Another extreme would be the use of a long single trench fed from only one end. In the first example, below the areal space is good and the chance of hydraulic over loading is greatly reduced. However, downline distribution in the panel line will not give optimum treatment.



CORRECT



INCORRECT

In the lower example we see that the trench has been fed from multiple points. Because the Panel lines are put in as level as possible, never exceeding 1/4 inch of rainfall in 10 feet of run, they feed both ways equally. T & J recommends that no gravity line exceed 50 feet, unless it is fed from multiple points. In both of these examples, we are specifying the Panel System, but the logic applies to the conventional system as well.

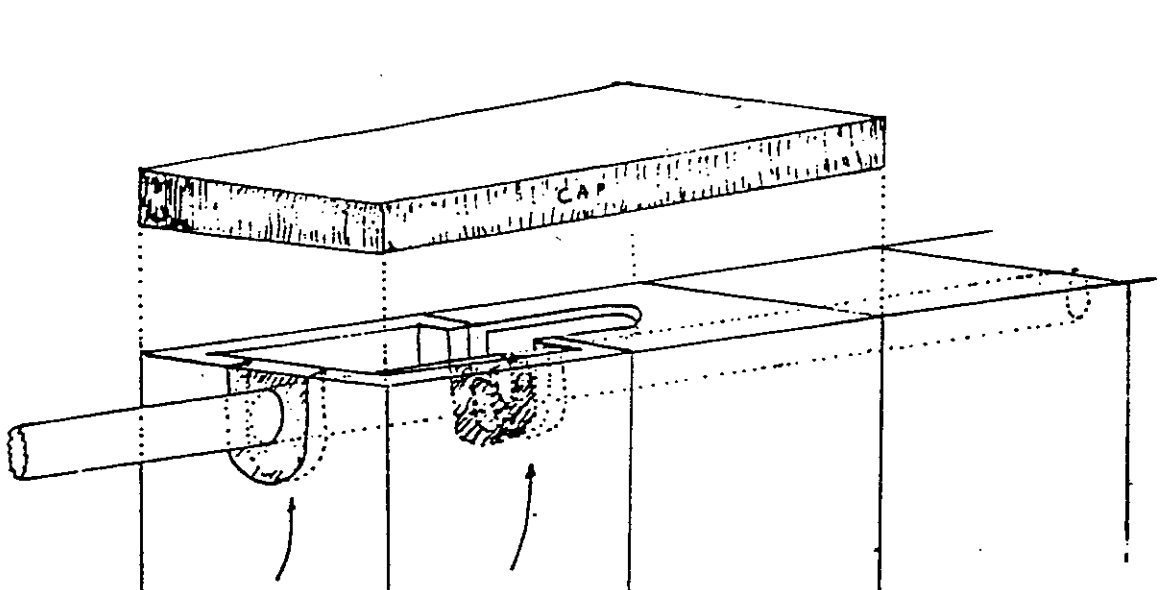
To calculate the number of 16 inch high panels needed for a 150 foot line, multiply 150' x 12" = 1800" then divide by 52" which is 46 inches for the panel and 6 inches for the space between the panels in the trench. 1800" /52" = 34.6 panels, so you would call for 34 panels. (A material order chart is included in the installer section of this manual.) If there is to be more than one trench, the sizing of the lines should be as equal as possible with as close to the same number of panels in each trench as is practical. Environmental Health Specialists should show the panel as small blocks on the line of the trench.

Backfill

Backfill sand shall be a clean, washed, medium sand that is naturally occurring and falls within the gradation of ASTM C-33 specification. This specification is one that is used in the ready mix industry and is readily available in all areas. The second type of sand that you will need is a clean particle sand to coat the bottom of each panel's top chamber with a bed of sand one inch thick. This sand is a medium grade of sand blasting sand. Each one hundred pound bag should cover eight panels. Backfill sand calculations should be taken from the material sheet.

Tar Seals

The two drawings below illustrate the inner and outer seal. Note that while the outer seal is a complete seal, the inner seal is only up to the top of the connecting pipe. This is to allow for over flow of the effluent at peak use periods into the lower air chambers. At this point the air chamber become additional storage chambers for the effluent. These seals can be inspected by lifting the caps at the ends of the panels while inspecting the system installation



INNER and OUTER SEALS

Trench Preparation

Trench grade should be established so that backfill cover will be four to six inches over the tops of the panels. (Note on several slopes system depth should be adjusted to protect against brakeout of effluent) In clay type soils the trench side walls should be raked to bring slicked over areas back as near to original structure as possible. A light dusting of lime on the side walls will help the system to continue the brake down of solids.

Final Inspection

The following list of points are things that an inspector should look for when issuing a completion permit.

1) Is depth of the panels within guidelines?

2) Are drain lines level or less than 1/4 inch fall in ten feet?

3) Have seals been properly constructed?

4) Was the proper sand used in the trench backfill?

5) If in clay type soils were the side walls raked and limed?

(For Pumped Systems)

6) Have pump size, head pressure, and dose cycle been properly sized and set?

7) Record field data on operations permit.

(Set dose cycle for 3.6 gallons per 16 inch high panel.)

Installer

The Panel Block System

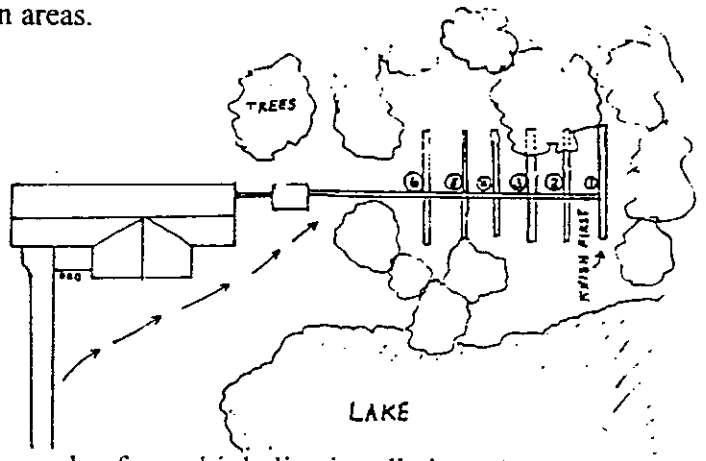
Generally, on level open land, a Panel System can be installed in about the same time as a conventional system; however traditionally, Panel Systems have been installed where space and topography have restricted use of a conventional system. For this reason Panel System installations have required more time. Many installers enjoy the change of working with panels, not handling gravel, and the satisfaction of knowing a system being installed where previously a conventional system was not possible.

Ordering Materials

Inclosed on following two pages you will find an order sheet for the T & J Panel System and a materials chart for 16 inch high Panel System. The distributor in your area will lead you through these sheets when ordering or pricing the system. For information on the distributor located closest to you call 1-800-222-2577 (inside N.C.) or 704-872-9566. After ordering, your panels will be shipped to the job site banded together on pallets.

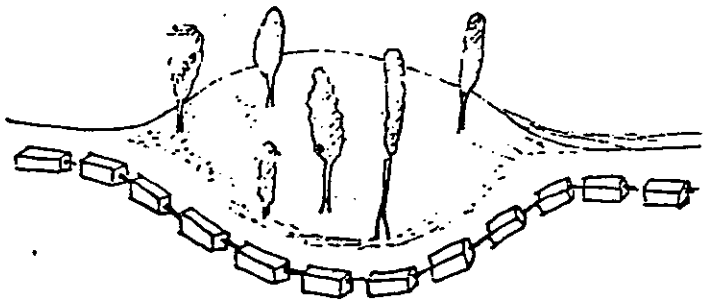
Installation Tips

Installation for multiple line systems should begin in the most confiding area and be worked to the more open areas.

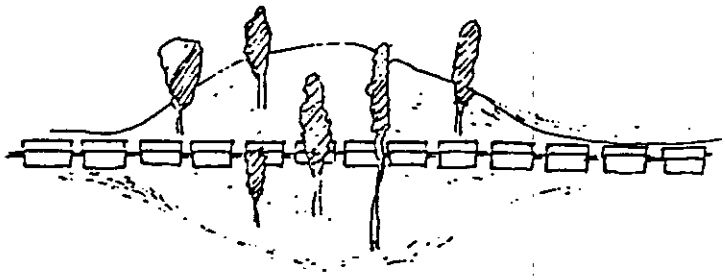


Above is an example of a multiple line installation. As you can see the installation should begin with the line marked 1 and proceed to 2, 3, then 4. This procedure will greatly ease material handling and backfilling. (Note sections of the drainlines should be left uncovered to allow for inspection of lines when area is confined and return access to lines is limited.)

On the following page are two examples of drain lines on sloping lots. The first drawing shows the drainline going through a slope making the center of the line deeper in the ground. This is not a desirable situation. The second drawing shows the drainline going around the slope keeping around the slope keeping the trench depth and cover uniform for the entire length o the line. On slopes, care should be given to avoid cutting away valuable top soil in an effort to make straight lines. The Panel line should be installed on grade with the contour of the natural slope. Panel lines can be curved to almost any degree.



CORRECT



INCORRECT

Digging The Trench

Start by shooting the grade and marking the contour. Then for a 16 inch panel add 28 inches to the shallowest or lowest grade that the trench must cross to obtain the trench bottom grade. Now dig the trench at the elevation derived, checking the grade frequently. The trench should be a minimum of two feet wide. With the trench open all side walls shall be raked to bring smeared areas back to their original structure before a light dusting of lime is applied. Now place a 6 inch layer of backfill sand in the trench and level to grade, then place a 1 x 4 or 6 inch board flat on its side on top of the 6 inch layer of sand. Once more check the grade of the trench by shooting the top of the board. Once the grade boards have been set, the panels may be set into the ditch by hand or using the backhoe. Each panel weighs about 155 pounds and placement by hand goes quickly. The panels should be place about 6 inches apart in the trench to obtain equal spacing. Now place 10 to 12 pounds of clean particle sand (medium sand blasting sand) in the top chamber of each panel to form a bed of sand about one inch thick. Tar seal rope should be placed in the U outs to form seals as shown in earlier drawings. Once the tar rope is in place, a 24 inch section of two inch PR160 pipe is cut to span from the upper middle top chamber of the first panel to the upper middle chamber of the next panel. The tar seal rope that is used should be of tar or butyl that is soft and pliable to obtain a water tight seal. Now that the connection and sealing is complete a block cap is placed on each end of the panel covering all openings. (These will be delivered with the panels.) The cap block may well serve as an inspection port at some future date. The trench is ready to be backfilled to the top so the panel with the same backfill sand used in the trench bottom. With the sand to the top of the panel, trenches should be left for the sanitarian to inspect. Soil cover should be added after the final inspection.

Most Panel Systems are currently used due to space considerations and caution should be taken to preserve suitable soil structure and site conditions.

Materials Chart For 16 Inch Panels

Materials needed per panel:

- Three feet of half inch tar seal rope per panel

- Two feet of two inch PR160 pipe per panel or same linear feet as line layout of pressure system of one and a quarter inch pipe. Add pipe for tie in of lines to tank and house.

- One hundred pounds of particle sand (sand blasting sand fine texture) per eight panels.

- Same linear feet of one by six boards as line length.

- Bag powder lime when in clay soils.

Panel and C-33 Sand fill

50 LF - 11 panels
8 1/4 tons sand

60 LF - 14 panels
10 tons sand

70 LF - 16 panels
11 1/2 tons sand

80 LF - 18 panels
13 1/4 tons sand

90 LF - 21 panels
15 tons sand

100 LF - 23 panels
16 1/2 tons sand

110 LF - 25 panels
18 1/4 tons sand

120 LF - 27 panels
20 tons sand

130 LF - 30 panels
21 1/2 tons sand

140 LF - 32 panels
23 tons sand

150 LF - 34 panels
25 tons sand

160 LF - 37 panels
26 1/2 tons sand

170 LF - 39 panels
28 tons sand

180 LF - 41 panels
30 tons sand

190 LF - 43 panels
31 1/2 tons sand

200 LF - 46 panels
33 tons sand

T & J Panel Material Worksheet

Homeowner _____ County _____

Address _____

_____

Description of System _____

_____

_____

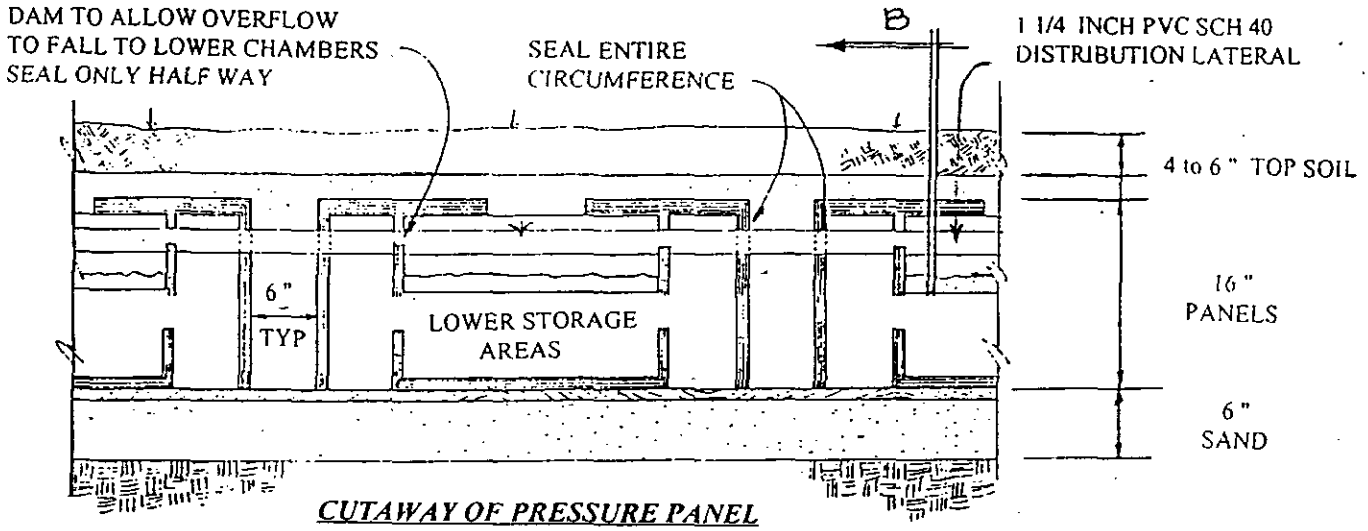
_____	T & J Panels _____ Inch (caps N/C)	_____
_____	2" Pipe	_____
_____	1 1/4" Pipe	_____
_____	Fittings for Pipe	_____
_____	Tar Seal Rope (3' per Panel)	_____
_____	Bag Partial Sand (100 lbs per 8 panels)	_____
_____	Pallets - No Return	_____
_____	Screened Creek Sand (FM 2.3 to 3.0)	_____
_____	1x4 or 1x6 Boards	_____
_____	Power Lime	_____
_____	Sep. Tank _____ Gallon	_____
_____	Tar Seal for Tank	_____
_____	4" PVC Pipe Schedule 40	_____
_____	Distribution Box	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
	Sub-total	_____
	Delivery Charge	_____
	tax	_____
	Total	_____

Panels With Pressure Distribution

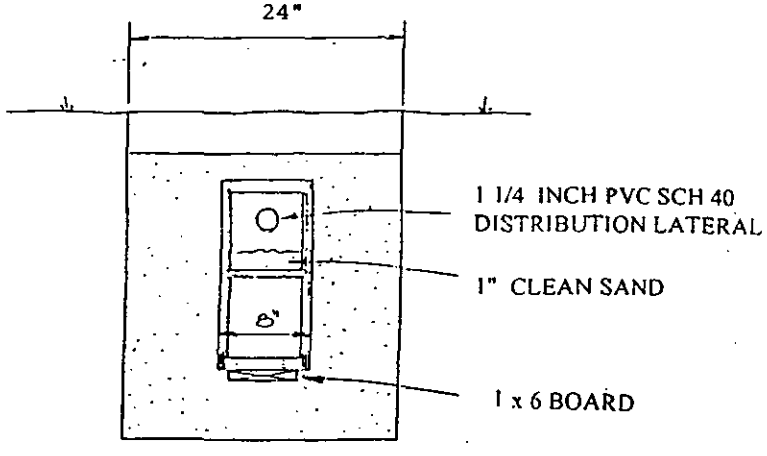
The LP Panel uses Technology similar to that of Low Pressure Pipe (LPP) System. The tables and distribution design described in the LPP manual is applicable to the pressure Panel System. The system should be used with two to four feet of head. In many respects a LP Panel is similar to a LPP with the holes discharging into the panels.

The dosing cycle for the Panel System is designed to pump enough effluent to fill the top chambers of all the panels in the system. The top chamber of a 16 inch panel hold 3.6 gallons. When the system has 34 panels and all holes are the same size, then you would multiply 34 x 3.6 to get 122 gallon per dose cycle. The holes are drilled in the distribution pipe at the 10 and the 2 o'clock position. These are then placed so that the effluent is pumped into the top chamber of the panel. If the hole sizing changes in the system the pump cycle is set by the hole that is discharging the fastest.

All valves and turnups should be neatly capped, covered and labeled for future service. Pump tanks should be constructed as shown in the drawing as to allow for service and repairs.



CUTAWAY OF PRESSURE PANEL



Pressure Panels Continued

Below you will find a pressure head table to help in flow design of your LP Panel. These numbers are a guide to help in selecting the right flow in your system. We have found that in most systems the 5/32" and 3/16" hole at 2 to 4 feet of head work the best in giving a pump cycle of more than five minutes and keep the same maximum top chamber flow load as sited on the prior page.

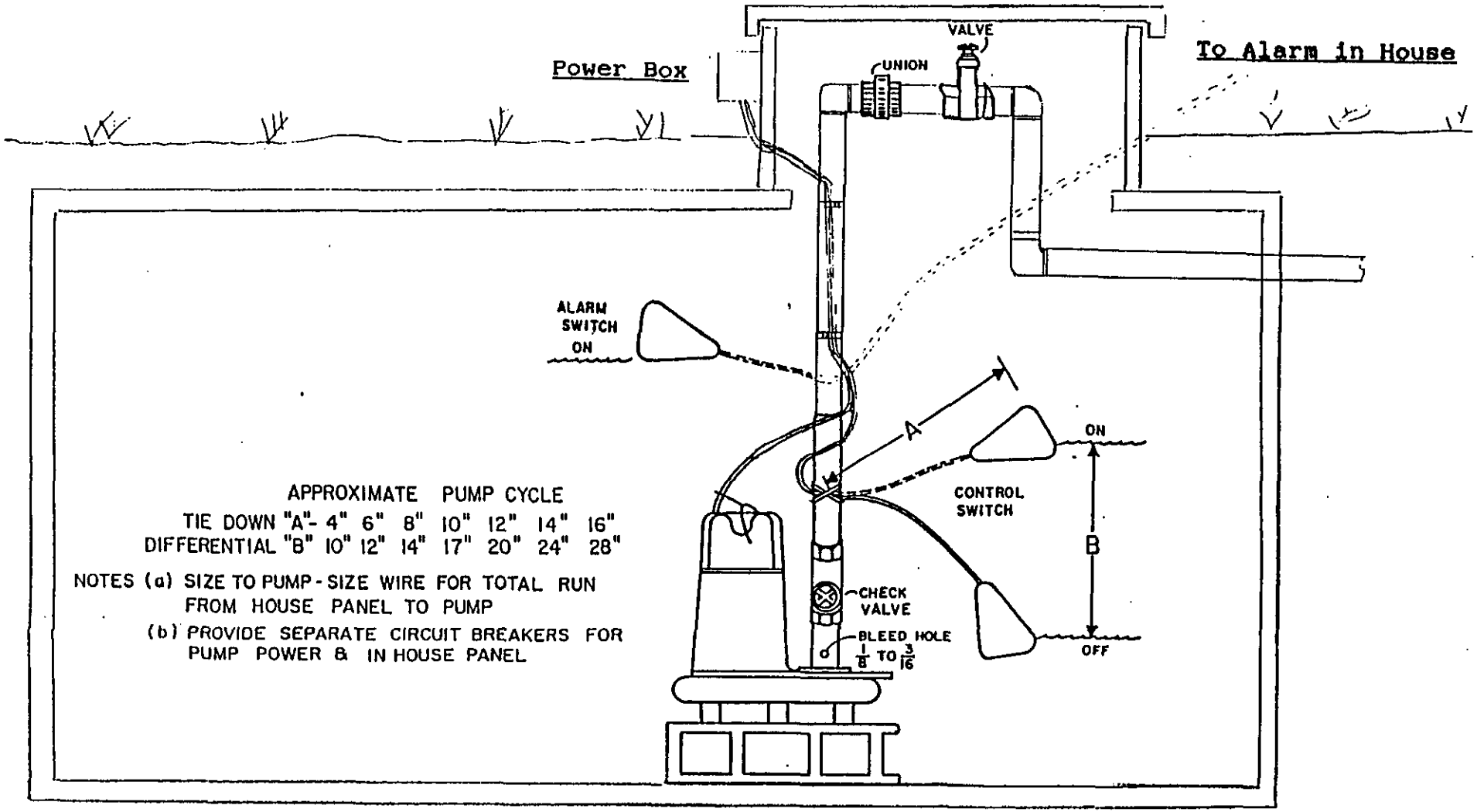
Flow Chart of Various Orifices and Pressure Heads

Orifice Size	3/32" 0.094	1/8" 0.125	5/32" 0.156	3/16" 0.188	7/32" 0.219	1/4" 0.250	9/32" 0.281	5/16" 0.313	11/32" 0.344	3/8" 0.375
Press. Head										
2.0	0.15	0.26	0.41	0.59	0.80	1.04	1.32	1.63	1.97	2.34
2.1	0.15	0.27	0.42	0.60	0.82	1.07	1.35	1.67	2.02	2.40
2.2	0.15	0.27	0.43	0.61	0.84	1.09	1.38	1.71	2.07	2.46
2.3	0.16	0.28	0.44	0.63	0.86	1.12	1.41	1.75	2.11	2.51
2.4	0.16	0.29	0.45	0.64	0.87	1.14	1.44	1.78	2.16	2.57
2.5	0.16	0.29	0.46	0.66	0.89	1.17	1.47	1.82	2.20	2.62
2.6	0.17	0.30	0.46	0.67	0.91	1.19	1.50	1.86	2.25	2.67
2.7	0.17	0.30	0.47	0.68	0.93	1.21	1.53	1.89	2.29	2.72
2.8	0.17	0.31	0.48	0.69	0.94	1.23	1.56	1.93	2.33	2.77
2.9	0.18	0.31	0.49	0.71	0.96	1.25	1.59	1.96	2.37	2.82
3.0	0.18	0.32	0.50	0.72	0.98	1.28	1.62	1.99	2.41	2.87
3.1	0.18	0.32	0.51	0.73	0.99	1.30	1.64	2.03	2.45	2.92
3.2	0.19	0.33	0.51	0.74	1.01	1.32	1.67	2.06	2.49	2.97
3.3	0.19	0.33	0.52	0.75	1.02	1.34	1.69	2.09	2.53	3.01
3.4	0.19	0.34	0.53	0.76	1.04	1.36	1.72	2.12	2.57	3.06
3.5	0.19	0.34	0.54	0.78	1.06	1.38	1.74	2.15	2.61	3.10
3.6	0.20	0.35	0.55	0.79	1.07	1.40	1.77	2.18	2.64	3.15
3.7	0.20	0.35	0.55	0.80	1.09	1.42	1.79	2.21	2.68	3.19
3.8	0.20	0.36	0.56	0.81	1.10	1.44	1.82	2.24	2.72	3.23
3.9	0.20	0.36	0.57	0.82	1.11	1.46	1.84	2.27	2.75	3.27
4.0	0.21	0.37	0.58	0.83	1.13	1.47	1.87	2.30	2.79	3.32
4.1	0.21	0.37	0.58	0.84	1.14	1.49	1.89	2.33	2.82	3.36
4.2	0.21	0.38	0.59	0.85	1.16	1.51	1.91	2.36	2.86	3.40
4.3	0.21	0.38	0.60	0.86	1.17	1.53	1.93	2.39	2.89	3.44
4.4	0.22	0.39	0.60	0.87	1.18	1.55	1.96	2.42	2.92	3.48
4.5	0.22	0.39	0.61	0.88	1.20	1.56	1.98	2.44	2.96	3.52
4.6	0.22	0.40	0.62	0.89	1.21	1.58	2.00	2.47	2.99	3.56
4.7	0.22	0.40	0.62	0.90	1.22	1.60	2.02	2.50	3.02	3.59
4.8	0.23	0.40	0.63	0.91	1.24	1.61	2.04	2.52	3.05	3.63
4.9	0.23	0.41	0.64	0.92	1.25	1.63	2.06	2.55	3.08	3.67
5.0	0.23	0.41	0.64	0.93	1.26	1.65	2.09	2.57	3.12	3.71

Pump Sizing

Below is a chart to aid in head selection due to friction loss in PVC pipe. In calculating friction be sure to add 20% for loss in fittings. In the chart below friction loss is per 100 feet of pipe. The head created by friction loss is added to the elevation head of lift form bottem of the pump tank to the top of the highest turnup.

Flow	Pipe diameter (in.)					
	1	1¼	1½	2	3	4
gpm	*Friction loss (ft)*					
1	0.07					
2	0.28	0.07				
3	0.60	0.16	0.07			
4	1.01	0.25	0.12			
5	1.52	0.39	0.18			
6	2.14	0.55	0.25	0.07		
7	2.89	0.76	0.36	0.10		
8	3.63	0.97	0.46	0.14		
9	4.57	1.21	0.58	0.17		
10	5.50	1.46	0.70	0.21		
11		1.77	0.84	0.25		
12		2.09	1.01	0.30		
13		2.42	1.17	0.35		
14		2.74	1.33	0.39		
15		3.06	1.45	0.44	0.07	
16		3.49	1.65	0.50	0.08	
17		3.93	1.86	0.56	0.09	
18		4.37	2.07	0.62	0.10	
19		4.81	2.28	0.68	0.11	
20		5.23	2.46	0.74	0.12	
25			3.75	1.10	0.16	
30			5.22	1.54	0.23	
35				2.05	0.30	0.07
40				2.62	0.39	0.09
45				3.27	0.48	0.12
50				3.98	0.58	0.16
60					0.81	0.21
70					1.08	0.28
80					1.38	0.37
90					1.73	0.46
100					2.09	0.55



APPROXIMATE PUMP CYCLE

TIE DOWN "A" -	4"	6"	8"	10"	12"	14"	16"
DIFFERENTIAL "B"	10"	12"	14"	17"	20"	24"	28"

NOTES (a) SIZE TO PUMP - SIZE WIRE FOR TOTAL RUN FROM HOUSE PANEL TO PUMP

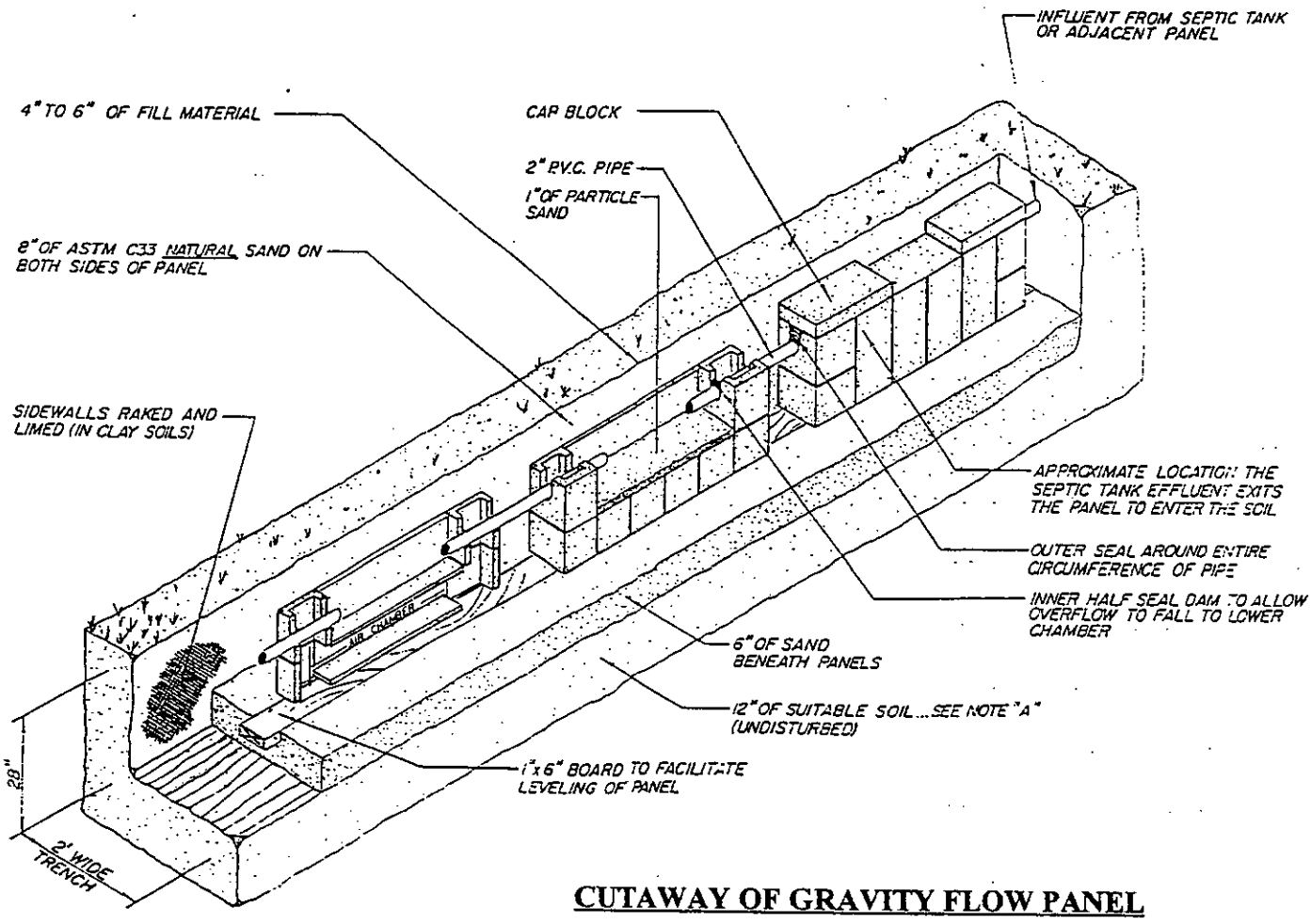
(b) PROVIDE SEPARATE CIRCUIT BREAKERS FOR PUMP POWER & IN HOUSE PANEL

The T & J Panel
Wastewater Treatment System

Patent # 4013559

269 Marble Road
Statesville, N.C. 28625
704-924-8600

ISOMETRIC DRAWING OF A SEGMENT OF 16" T & J PANEL SYSTEM DRAINFIELD



CUTAWAY OF GRAVITY FLOW PANEL

FEE: _____

DATE: _____

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

[ ] CRT

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 #: 5211B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 017-032-23.

STREET ADDRESS: 10551 Mt Holly-Huntersville Road.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 4

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS: | 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: Destiny Homes, LLC
(LAST) (FIRST) (MI)

ADDRESS: P.O. Box 235.

CITY: Harrisburg STATE: N.C ZIP: 28075

DAYTIME PHONE: ( ) 704 - 622-4592.

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME:
(LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) —

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

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: Destiny Homes, LLC By: _____ DATE: 9-20-04

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

ACS

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

DATE: _____ **PERMIT NO:** 5211B
PARCEL NO: PO 017-032-01

JOB LOCATION ADDRESS: Lot 4 Mt. Holly - Huntersville Road 017-032-32 Rec'd
PROPERTY OWNER: James E. Smith
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: Peterson Farmhouse Cluster
AUTHORIZATION ISSUED BY: Lenny Mueller R.S. **DATE:** 12/22/03
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 5211B, 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 forms on file before CA Release
Certified Operator on file before O.P. Release
System designed for a three Bedroom House

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.

X _____ 1-29-04
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

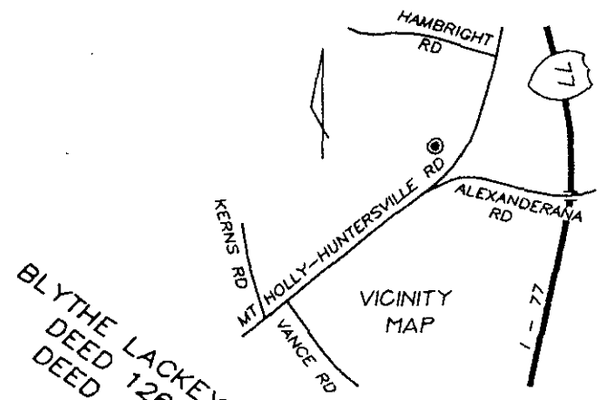
THIS IS TO CERTIFY THAT ON THE 21st DAY OF NOVEMBER, 2003 I SURVEYED THE SHOWN ON THIS PLAT, AND THAT PROPERTY THE PROPERTY LINES, AND THE IMPROVEMENTS IF ANY ARE AS SHOWN HEREON.

SIGNED Jack R. Christian

REGISTERED SURVEYOR
JACK R. CHRISTIAN + ASSOCIATES
7811 OLD CONCORD RD. CHARLOTTE, N.C. 28213
PHONE: (704)596-2214

mthollydfe

NORTH CAROLINA PROFESSIONAL SEAL L-2624 LAND SURVEYOR JACK R. CHRISTIAN



BLYTHE LACKEY CLAN LLC
DEED 12660-516
DEED 8455 P.764

SEPTIC DRAIN FIELD ESM'T.

L4 L5 L6 L3 L2 L7 L8 L1

GRAVEL DRIVE

20' UNDISTURBED IRREVOCABLE OPEN SPACE

55.77'

22.55'

N31° 47'15"W 235.82'

157.50'

N22° 51'15"E 8.53'

E.I.P.

MB 40-5

BLYTHE LACKEY CLAN LLC
DEED 12660-516
DEED 8455 P.764

PARCEL 5
MAPBOOK 40
PAGE 5

20' ACCESS EASEMENT

10' UNDISTURBED BUFFER EA. SIDE

PARCEL 4
2.53 acres
#10557
MAPBOOK 40
PAGE 5

S 14° 44'45" E 1472.68'
TO CITY OF CHARLOTTE CONTROL MONUMENT (DISC IN CONC.)

50' UNDISTURBED IRREVOCABLE OPEN SPACE

E.I.P.

PARCEL 1
MAPBOOK 40
PAGE 5

10' UNDISTURBED BUFFER EA. SIDE

DONNIE R. REID
wife LISA PARKS &
DEED 8315-249

TALL PIPE

RCP

40' SETBACK LINE

PARCEL 3

SYMBOL LEGEND	
—x—	ELECTRIC LINE
RCP	REINFORCED CONC. PIPE
U.G.PIPE	
N.I.P.	NEW IRON PIN
E.I.P.	EXISTING IRON PIN

LINE TABLE

LINE	LENGTH	BEARING
L1	84.74	N30° 42'43"E
L2	46.76	N25° 41'02"W
L3	90.00	N46° 29'30"W
L4	54.67	N37° 29'03"E
L5	95.35	S47° 41'18"E
L6	72.72	S26° 37'43"E
L7	31.91	S57° 27'33"W
L8	108.35	S30° 42'43"W

GRAPHIC SCALE
100 0 50 100

NOTE:
OTHER R/W'S OR EASEMENTS MAY EXIST WHICH MAY NOT BE SHOWN.

SURVEY

of

SEPTIC DRAIN FIELD EASEMENT

HUNTERSVILLE, MECKLENBURG COUNTY, NORTH CAROLINA

SCALE 1"=100'

THE PROPERTY OF: BLYTHE LACKEY CLAN, LLC
MAP RECORDED IN BOOK 40 AT PAGE 5 DEED RECORDED IN BOOK ____ PAGE ____

ENVIRONMENTAL HEALTH
700 N TRYON ST #211
CHARLOTTE, NC 28203

BATCH: 256
S-A-L-E-S D-R-A-F-T
73822355
000500158410

REF: 0001
CD TYPE: VISA
TR TYPE: MAIL/PHONE
INV: 0502
DATE: NOV 12, 03 10:24:34

AVS: ZIP MATCH
CVV2: MATCH
TOTAL $100.00*

ACCT: 4427110004697359 EXP: 10/04
AP: 077157

CARDMEMBER ACKNOWLEDGES RECEIPT OF GOODS AND/OR SERVICES IN THE AMOUNT OF THE TOTAL SHOWN HEREON AND AGREES TO PERFORM THE OBLIGATIONS SET FORTH BY THE CARDMEMBER'S AGREEMENT WITH THE ISSUER

THANKS FOR USING VISA

X _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 11/12/03
Receipt #: 19469
Check / Auth #: VISA 07157
Received By: CRAIGGY

Amount: 100.00
Tendered: 0.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: MILLER LEE ANN
Attn:
Address: 2710 APACHE
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0702	Optional Site Evaluations MT HOLLY-HUNTERSVILLE RD/FILE 5211B		1	100.00	100.00

Post-it® Fax Note 7671	Date 11/12/03	# of pages ▶ 1
To LeeAnn Miller	From Gwen Craig	
Co./Dept.	Co. Env. Health	
Phone #	Phone # 704 336 5103	
Fax # 704 896-7359	Fax # 704 336 6894	

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
50.00					

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1
Property ID: PO 017-032-01
Lot #: 4
File #: 5211B
Code: 3

AGS

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Ernest G. Peterson
Applicant: James E. Smith
Address: 10601 Mt. Holly-Huntersville Road, Huntersville, N. C. 28078
Date Evaluated: 06/05/2003
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 2.61a
Location of Site: Off Mt. Holly-Huntersville Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [x] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-12	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@12"	36	US	NONE	US
		12-24	SBK/ABK/SC	VFI/EXP/VS/VP					
		24-36	M/CL	FI/EXP/VS/VP					
		36-57	M/SCL	FI/VFI/SEXP/SS/SP					
2	"	0-11	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@15"	26	"	"	"
		11-18	SBK/ABK/SC	VFI/EXP/VS/VP					
		18-26	M/SCL	VFI/EXP/S/VP					
3	"	0-10	GR/SCL	FR/SEXP/SS/SP	2.5Y7/2@16"	30	"	"	"
		10-30	ABK/SBK/C	VFI/EXP/VS/VP					
		30-56	M/CL	VFI/EXP/VS/VP					
4	"	0-6	GR/SCL	FR/SEXP/SS/SP	>42" TO SOIL WETNESS	42	N/A	"	PS, IV .25GPD/FT^2
		6-42	SBK/ABK/C	FI/SEXP/S/P					
		42+	M/CL	FR/SEXP/SS/SP					
5	"	0-9	GR/SCL	FR/SEXP/SS/SP	2.5Y7/1@23"	38	US	"	US
		9-20	SBK/C	VFI/EXP/VS/VP					
		20-38	M/CL	FI/EXP/VS/VP					
		38+	M/L	FR/SEXP/NS/NP					
6	"	0-10	GR/SCL	FR/SEXP/SS/SP	2.5Y7/2@16"	29	US	"	"
		10-29	SBK/ABK/C	VFI/EXP/VS/VP					
		29-52	M/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

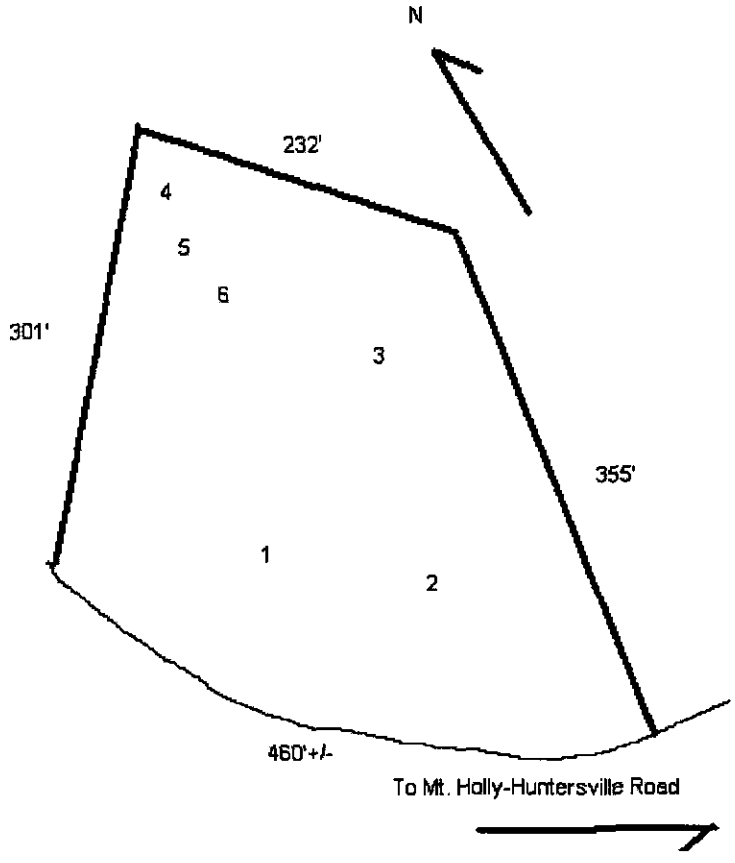
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 6/6/2003, W. R. Marlin
Others Present: E. Peterson, L. Miller

FILE # 5211B

COMMENTS: 100% repair

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1
Property ID: PO 017-032-01
Lot #: Parcel 4
File #: 5211B
Code: 3

ACS

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Ernest G. Peterson
Applicant: James E. Smith
Address: 10601 Mt.-Holly Huntersville Road, Huntersville, N. C. 28078
Date Evaluated: 04/22/2003
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 2.61a
Location of Site: Off Mt. Holly-Huntersville Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-10	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@11"	22+	N/A	NONE	US
		10-12	GR/SCL	FR/SEXP/SS/SP					
		12-22+	SBK/C	VFI/EXP/VS/VP					
2	"	0-22	GR/SL	FR/SEXP/NS/NP	2.5Y6/1@22"	28+	"	"	"
		22-28+	SBK/SC	VFI/EXP/VS/VP					
3	"	0-7	GR/SCL	FR/SEXP/SS/SP	2.5Y7/2@8"	17+	"	"	"
		7-17+	SBK/SC	VFI/EXP/VS/VP					
4	"	0-8	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@19"	22+	"	"	"
		8-22+	SBK/SC	VFI/EXP/VS/VP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

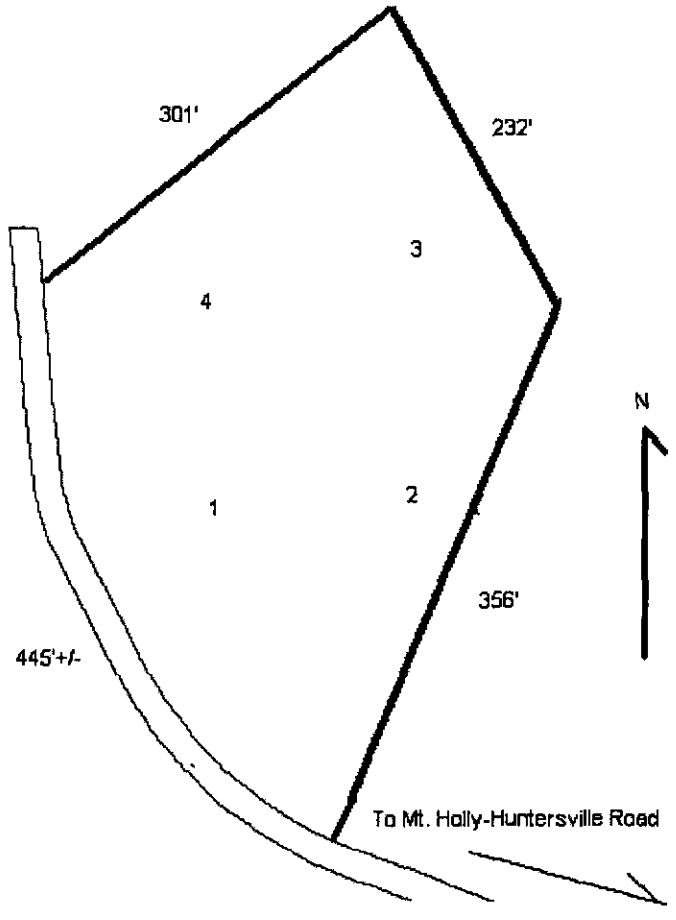
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 4/22/2003, W. R. Marlin
Others Present:

FILE # 5211B

COMMENTS: 100% repair required

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



ENVIRONMENTAL HEALTH
700 N TRYON ST #211
CHARLOTTE, NC 28203

BATCH: 189
S-A-L-E-S D-R-A-F-T
73822355
000500158410

0001
TYPE: VISA
[illegible] PHONE

AUS: EXACT MATCH
CVV2: MATCH
TOTAL ***

AP: 037524

CARDMEMBER ACKNOWLEDGES RECEIPT OF GOODS AND/OR SERVICES IN THE AMOUNT SHOWN HEREON AND AGREES TO PERFORM THE OBLIGATIONS SET FORTH BY THE CARDMEMBER'S AGREEMENT WITH THE ISSUER

THANKS FOR USING VISA

X _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

faxed 5/19/03 c 5.00 to 704 8962966

2nd site

Receipt Information

Date:	05/19/03	**Amount:**	100.00
Receipt #:	16476	**Tendered:**	0.00
Check / Auth #:	VISA 037524	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: MILLER LEE
Attn:
Address: 1179 SOUTWOOD DRIVE
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0702	Optional Site Evaluations MT HOLLY-HUNTERSVILLE RD, #4/FILE #5211B		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

FEE: 200.00 Copy 110854

DATE: 4/15/03 gc

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

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 #: 5211B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 01703201 PT

STREET ADDRESS: MT Holly-Huntersville Rd

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: Parcel 4

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 4200

NUMBER OF BEDROOMS: 5 NUMBER OF OCCUPANTS: 5

FOUNDATION FOR RESIDENCE:

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

UNKNOWN IT MAY be a basement

TOWNSHIP (CHECK ONE):

__ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINE
✓ 5 MAT
✓ 6 HUN
__ 7 MIN

CLOSING DATE 5/20/03

Copy of Denial letter to Applicant

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

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ✓ YES __ NO TYPE: Home office / telecommuting

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
✓ MUNICIPAL (M) UNKNOWN
✓ 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	WELL, SPRINGS OR WATERLINES	__ YES __ NO
EXISTING WASTEWATER SYSTEMS	__ YES __ NO	DESIGNATED WETLANDS	__ YES __ NO
EASTMENTS OR RIGHT-OF-WAYS	__ YES __ NO		

PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: (LAST) Peterson (FIRST) Ernest (MI) G.	NAME: (LAST) Smith (FIRST) James (MI) E
ADDRESS: 10601 Mt. Holly-Huntersville Rd	DAYTIME PHONE: (704) 491 - 2870
CITY: Huntersville STATE: NC ZIP: 28078	I am the process of buying
DAYTIME PHONE: (704) 491 - 2870	Land: 8616 Londonshire

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2816

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: James E Smith DATE: 4/14/03

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
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 04/15/03
Receipt #: 15869
Check / Auth #: VISA 110854
Received By: CRAIGGY

Amount: 200.00
Tendered: 0.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: SMITH JAMES E
Attn:
Address: 8616 LONDONSHIRE
Address:
City/State/Zip: CHARLOTTE, NC 28216

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen PARCEL 4 - MT HOLLY-HUNTERSVILLE RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

LINE_TABLE		
LINE	LENGTH	BE
L1	20.33	N4
L2	47.95	S6
L3	177.53	S6
L4	24.45	S6
L5	196.93	S6
L6	33.18	S0
L7	42.32	S0
L8	74.97	S0
L9	63.41	S0
L10	99.24	S5
L11	157.35	S2
L12	12.56	S7
L13	5.95	S7
L14	155.23	N29
L15	96.83	N50

REVISED COMMENTS 2-12-03
REVISED COMMENTS 2-10-03

DATE:	CHECKED BY:	DWN:
JANUARY, 27, 2003	TAC	JRC
FILE:	SCALE:	FILE NAME:
02-08-17	1"=100'	MTHOLLYSP
		FB: EDC

5216

VACANT LOT OFFER TO PURCHASE AND CONTRACT

NOTE: This contract is intended for use only for lots which have been developed pursuant to a Subdivision Ordinance adopted by a City or County and for which a plat has been recorded in the Office of the Register of Deeds in the county in which the property is located. If Seller is Buyer's builder and the sale involves the construction of a new single family dwelling prior to closing, use the standard Offer to Purchase and Contract (Form 2) with the New Construction Addendum (Form 2A3).

JAMES E. SMITH (JS) EHP 7RP, as Buyer, hereby offers to purchase and PETERSON FARM HOUSE ERNEST & FRANCIS PETERSON as Seller, upon acceptance of said offer, agrees to sell and convey, all of that plot, piece or parcel of land described below (hereafter referred to as the "Property"), upon the following terms and conditions:

1. **REAL PROPERTY:** Located in the City of HUNTERSVILLE, County of MECKLENBURG, State of North Carolina, being known as and more particularly described as: Street Address 10601 MT HOLLY - HUNTERSVILLE Rd. Zip 28078
Subdivision Name _____
Plat Reference: Lot 01703201, Block or Section 4 (2.6 ACRE) PARCEL 4 as shown on Plat Book or Slide _____ at Page(s) _____.
NOTE: Prior to signing this Vacant Lot Offer to Purchase and Contract, Buyer is advised to review Restrictive Covenants, if any, which may limit the use of the Property, and to read the Declaration of Restrictive Covenants, By-Laws, Articles of Incorporation, Rules and Regulations, and other governing documents of the owners' association and/or the subdivision, if applicable.

2. **PURCHASE PRICE:** The purchase price is $ ~~70,000.00~~ 75,000.00 (JS) and shall be paid as follows: EHP/7RP

(a) $ 1000.00, EARNEST MONEY DEPOSIT with this offer by ☐ cash ☑ personal check ☑ bank check ☐ certified check ☐ other: ~~CENTURY 21 MURPHY + RUDOLPH~~ to be deposited and held in escrow by CENTURY 21 MURPHY + RUDOLPH ("Escrow Agent") until the sale is closed, at which time it will be credited to Buyer, or until this contract is otherwise terminated. In the event: (1) this offer is not accepted; or (2) any of the conditions hereto are not satisfied, then all earnest monies shall be returned to Buyer. In the event of breach of this contract by Seller, upon Buyer's request, all earnest monies shall be returned to Buyer, but such return shall not affect any other remedies available to Buyer for such breach. In the event this offer is accepted and Buyer breaches this contract, then all earnest monies shall be forfeited upon Seller's request, but receipt of such forfeited earnest monies shall not affect any other remedies available to Seller for such breach.
NOTE: In the event of a dispute between Seller and Buyer over the return or forfeiture of earnest money held in escrow by a broker, the broker is required by state law to retain said earnest money in the broker's trust or escrow account until a written release from the parties consenting to its disposition has been obtained or until disbursement is ordered by a court of competent jurisdiction.

(b) $ N/A, ADDITIONAL EARNEST MONEY DEPOSIT to be paid to Escrow Agent no later than N/A, TIME BEING OF THE ESSENCE WITH REGARD TO SAID DATE.

(c) $ N/A, BY ASSUMPTION of the unpaid principal balance and all obligations of Seller on the existing loan(s) secured by a deed of trust on the Property in accordance with the attached Loan Assumption Addendum. EHP 7RP

(d) $ 70660.00, BY SELLER FINANCING in accordance with the attached Seller Financing Addendum. (JS)

(e) $ 69000.00, BALANCE of the purchase price in cash at Closing.

3. **CONDITIONS:** (State N/A in each blank that is not a condition to this contract.)

(a) Buyer must be able to obtain a ☐ FHA ☐ VA (attach FHA/VA Financing Addendum) ☑ Conventional ☐ Other: _____ loan at a ☐ Fixed Rate ☑ Adjustable Rate in the principal amount of _____ (plus any financed VA Funding Fee or FHA MIP) for a term of 15 year(s), at an initial interest rate not to exceed 6 1/4 % per annum, with mortgage loan discount point not to exceed 1 % of the loan amount. Buyer shall apply for said loan within 10 days of the Effective Date of this contract. Buyer shall use Buyer's best efforts to secure the lender's customary loan commitment letter on or before APRIL 21, 2003 and to satisfy all terms and conditions of the loan commitment letter by Closing. After the above letter date, Seller may request in writing from Buyer a copy

This form jointly approved by:
North Carolina Bar Association
North Carolina Association of REALTORS®, Inc.

STANDARD FORM 12 - T
© 7/2002

Buyer Initials JS. _____ Seller Initials EHP 7RP

KB