

14208 CASTLE ABBEY LN

12/18/2007

duponbj

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

RECEIVED FROM _____

_____ DOLLARS

_____ (imp. app)

Account Total $ 50.00

Amount Paid $ 50.00

Balance Due $ 0

THE EFFICIENCY LINE AN AMPAD PRODUCT

Check

FILE #6583/8594

NO. 194

10-2 19 92

RECEIVED FROM Ed Pulledge

Two hundred & no/100 DOLLARS

5716 Prosperity Church Rd (Imp. Pmt)

Account Total $ 200.00

Amount Paid $ 200.00

Balance Due $ 0

D. J. Ferguson

THE EFFICIENCY LINE AN AMPAD PRODUCT

Cash

NO. 195

10-2 19 92

RECEIVED FROM Joel Murphy

Sixty five 00/100 DOLLARS

1207 Summit Rd - septic inspec

Account Total $ 65.00

Amount Paid $ 65.00

Balance Due $ 0

D. J. Ferguson

THE EFFICIENCY LINE AN AMPAD PRODUCT

Check #71

File 6148

NO. 196

10-2 19 92

RECEIVED FROM J. Thomas Hall

Two Hundred 00/100 DOLLARS

10823 Providence Rd W. - Septic Permit

Account Total $ 200.00

Amount Paid $ 200.00

Balance Due $ 0

D. J. Ferguson

"THE EFFICIENCY LINE" AN AMPAD PRODUCT

Mecklenburg County
Health Department

December 15, 1992

Betty S. Snow, R.N., M.A.
Health Director

Thomas D. Hall
10801 Providence Road, West
Charlotte, NC 28277

Dear Mr. Hall:

As you are aware, when you initially submitted the proposed plan for the septic tank system design for 10823 Providence Road, West, Charlotte, N.C. to our office for review, you were advised of the conflict with construction standards as outlined within the Laws and Rules For Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900. Specifically, rule .1955 (b), (c), (d), and (g).

Since you requested approval of your plan even though it was in direct conflict with the Rules and Laws specified to you, the plan was forwarded to the North Carolina Department of Environment, Health and Natural Resources for their review and comments.

Enclosed please find a copy of their letter recently received in our office. Since their review supports the earlier decision of this office, your proposed plan is hereby disapproved.

In accordance with G.S. 150B and 10 NCAC 1B, you may exercise your right of appeal. This would commence locally with Joe Lynn, Regional Soils Specialist. He may be reached at 663-1699.

If I may be of further assistance to you, you may reach me at 336-5571.

Sincerely,

Judy J. Kiser, R.S.
Individual Water and Wastewater Systems

Enclosures (2)

State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Environmental Health
P.O. Box 27687 • Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

Richard K. Rowe
Director

(919) 733-2895

November 30, 1992

Ms. Judy J. Kiser
Environmental Health Specialist
Mecklenburg County Health Department
700 North Tryon Street
Charlotte, NC 28202

RE: Septic Tank System Design Proposal for 10823 Providence Road West, Charlotte, NC, 28277

Dear Judy,

We have reviewed the proposal for the above referenced facility, received November 5, 1992. It appears the system is intended to serve one dwelling unit (unknown number of bedrooms). It is our understanding the owner has proposed to use 5-foot wide excavations instead of the maximum conventional 3-foot wide trenches. The owner also has proposed to install lateral lines 9-foot on centers.

Based on the available information, we conclude the proposed modified design to be a bed system. Commission for Health Services rules [.1955(d)] do not allow for the installation of a bed system in Group IV soils (sandy clay as described by the owner). We also do not recommend the use of heavy track equipment (excavators) for the installation of on-site wastewater systems. Lightweight equipment providing minimum site disturbance must be used for these installations.

Please feel free to contact us if you have any additional information or if we may be of any further assistance.

Sincerely,

Tim Woody
Environmental Engineer
On-Site Wastewater Engineering Branch
On-Site Wastewater Section

Steve J. Steinbeck, P. G. Head
On-Site Wastewater Services Branch
On-Site Wastewater Section

TW/SJS/dh

cc: Mr. Joe Lynn
Ms. Sylvia Daniel

LAWS AND RULES

FOR

SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL

15A NCAC 18A .1900

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL HEALTH SERVICES SECTION

EFFECTIVE
JULY 1, 1982

AMENDED EFFECTIVE
AUGUST 1, 1991

(c) Plans for prefabricated tanks, other than [illegible] reinforced concrete tanks, shall be approved on an individual basis as determined by the information furnished by the designer which indicates the tank will provide equivalent effectiveness as those designed in accordance with the provisions of Paragraphs (a) and (b) of this Rule.

(d) Tanks other than approved prefabricated tanks shall be constructed consistent with the provisions of this Rule except as follows:

(1) Cast-in-place concrete septic and pump tanks shall have a minimum wall thickness of six inches.

(2) Concrete block or brick masonry tanks shall have a minimum wall thickness of at least six inches when the design volume is less than 1,000 gallons and a minimum wall thickness of at least eight inches when the design volume is 1,000 gallons or more. All joints between masonry units shall be mortared using masonry cement mortar or equivalent. The joints shall have a nominal thickness of three-eighths inch. All concrete block masonry tanks shall have a minimum wall reinforcement of number three reinforcing bars on 20-inch centers, or equivalent. The maximum allowable reinforcement spacing in either direction shall be four feet. All block wall cores shall be filled with concrete with a minimum compressive strength of 3,000 pounds per square inch. All tanks constructed of block or brick shall be plastered on the inside with a 1:3 mix (one part cement, three parts sand) of Portland cement at least three-eighths inch thick or the equivalent using other approved waterproofing material.

(3) The bottom of the built-in-place tank shall be poured concrete with a minimum thickness of four inches. All built-in-place tanks shall be reinforced to satisfy the structural strength requirements of Paragraph (a)(9) of this Rule. Reinforcement shall be placed in both directions throughout the entire tank, including top, bottom, walls, and ends.

History Note: Statutory Authority G.S. 130A-335(e), and (f);
Eff. July 1, 1982;
Amended Eff. August 1, 1991; January 1, 1990.

.1955 DESIGN CRITERIA FOR CONVENTIONAL SEWAGE SYSTEMS

(a) Conventional septic tank systems shall utilize a septic tank of approved construction and design volume which provides primary treatment of the sewage in accordance with the provisions of these Rules. The effluent from the septic tank shall be conveyed to an approved nitrification line where the soil provides for final treatment and disposal of the sewage.

(b) Table II shall be used in determining the maximum long-term acceptance rate for septic tank systems of conventional trench design. The long-term acceptance rate shall be based on the most hydraulically limiting naturally occurring soil horizon within three feet of the ground surface or to a depth of one foot below trench bottom, whichever is deeper.

TABLE II

SOIL GROUP	SOIL TEXTURE CLASSES (USDA CLASSIFICATION)		LONG-TERM ACCEPTANCE RATE gpd/ft^2
I	Sands (With S or PS structure and clay mineralogy)	Sand Loamy Sand	1.2 - 0.8
II	Coarse Loams (With S or PS structure and clay mineralogy)	Sandy Loam Loam	0.8 - 0.6
III	Fine Loams (With S or PS structure and clay mineralogy)	Sandy Clay Loam Silt Loam Clay Loam Silty Clay Loam	0.6 - 0.3

		Silt	
IV	Clays (With S or PS structure and clay mineralogy)	Sandy Clay Silty Clay Clay	0.4 - 0.1

The long-term acceptance rate shall not exceed the mean rate for the applicable soil group for food service facilities, meat markets, and other places of business where accumulation of grease can cause premature failure of a soil absorption system. Long-term acceptance rates up to the maximum for the applicable soil group may be permitted for facilities where data from comparable facilities indicates that the grease and oil content of the effluent will be less than 30 mg/l and the chemical oxygen demand (COD) will be less than 500 mg/l.

(c) The design daily sewage flow shall be divided by the long-term acceptance rate to determine the minimum area of nitrification trench bottom. The total length of the nitrification line shall be determined by dividing the required area of nitrification trench bottom by the trench width, not to exceed 36 inches. Trenches shall be located not less than three times the trench width on centers with a minimum spacing of five feet on centers.

(d) The local health department may permit the use of a bed system on sites where the soil texture can be classified into either Soil Groups I, II, or III, meeting the other requirements of this Section, and only on lots which are limited by topography, space, or other site-planning considerations. In such cases, the number of square feet of bottom area needed shall be increased by 50 percent over what would be required for a trench system. Nitrification lines shall be at least 18 inches from the side of the bed and shall have lines on three-foot centers. When the design daily flow exceeds 600 gallons per day, bed systems shall not be used.

(e) The pipe or tubing used between the septic tank and the nitrification line shall be a minimum of three-inch nominal size Schedule 40 polyvinyl chloride (PVC), polyethylene (PE), or acrylonitrile-butadiene-styrene (ABS) or equivalent with a minimum fall of one-eighth inch per foot. However, three-inch or greater nonperforated polyethylene (PE) corrugated tubing may be substituted for Schedule 40 pipe between a distribution device and the nitrification line if the following conditions are met:

(1) the trench has a minimum bottom width of one foot;
(2) the trench bed is compacted, smooth, and at a uniform grade;
(3) the pipe is placed in the middle of the trench with a minimum of three inches of clearance between the pipe and the trench walls;
(4) washed stone or washed gravel envelope is placed in the trench on both sides of the pipe and up to a point at least two inches above the top of the pipe;
(5) a minimum of six inches of soil cover is placed and compacted over the stone or gravel envelope; and
(6) earthen dams consisting of two feet of undisturbed or compacted soil are placed at both ends of the trench separating the trench from the distribution device and the nitrification line.

All joints from the septic tank to the nitrification line shall be watertight.

(f) When four or six-inch diameter corrugated plastic tubing is used for nitrification lines, it shall be certified as complying with ASTM F 405, Standard Specification for Corrugated Polyethylene (PE) Tubing and Fittings, which is hereby adopted by reference in accordance with G.S. 150B-14(c). The corrugated tubing shall have three rows of holes, each hole between one-half inch and three-fourths inch in diameter, and spaced longitudinally approximately four inches on centers. The rows of holes may be equally spaced 120 degrees on centers around the periphery, or three rows may be located in the lower portion of the tubing, the outside rows being approximately on 120-degree centers. The holes may be located in the same corrugation or staggered in adjacent corrugations. Other types of pipe may be used for nitrification lines provided the pipe satisfies the requirements of this Section for hole size and spacing and the pipe has a stiffness equivalent to corrugated polyethylene tubing (ASTM F-405) or stronger. The nitrification line shall be located in the center of the nitrification trench.

(g) Nitrification trenches shall be constructed as level as possible but in no case shall the fall in a single trench bottom exceed one-fourth inch in 10 feet as determined by an engineer's level or equivalent. When surface slopes are greater than two percent, the bottom of the nitrification trenches shall follow the contour of the ground. An engineer's level or equivalent shall be used for installation and in-

spection. The nitrification trench shall not exceed a width of three feet and a depth of three feet, except as approved by the local health department.

(h) Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or sized in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150B-14(c). Copies may be inspected in, and copies obtained from the Division of Environmental Health, P.O. Box 27687, Raleigh, North Carolina 27611-7687. The rock shall be placed a minimum of one foot deep with at least six inches below the pipe and two inches over the pipe and distributed uniformly across the trench bottom and over the pipe.

(i) The soil cover over the nitrification field shall be to a depth of at least six inches. The finished grade over the nitrification field shall be landscaped to prevent the ponding of surface water and runoff of surface water shall be diverted away from the nitrification field. Soil cover above the original grade shall be placed at a uniform depth over the entire nitrification field, except as required to prevent the ponding of surface water, and shall extend laterally five feet beyond the nitrification trench. The soil cover shall be placed over a nitrification field only after proper preparation of the original ground surface. The type of soil cover and placement shall be approved by the local health department.

(j) Effluent distribution devices, including distribution boxes, flow dividers, and flow diversion devices, shall be of sound construction, watertight, not subject to excessive corrosion, and of adequate design as approved by the local health department. Effluent distribution devices shall be separated from the septic tank and nitrification lines by a minimum of two feet of undisturbed or compacted soil and shall be placed level on a solid foundation of soil or concrete to prevent differential settlement of the device. The installer shall demonstrate that the distribution devices perform as designed.

(k) Grease traps or grease interceptors shall be required at food service facilities, meat markets, and other places of business where the accumulation of grease can cause premature failure of a soil absorption system. The following design criteria shall be met:

(1) The grease trap shall be plumbed to receive all wastes associated with food handling and no toilet wastes;

(2) The grease trap liquid capacity shall be sufficient to provide for at least five gallons of storage per meal served per day, or at least two-thirds of the required septic tank liquid capacity, or a capacity as determined in accordance with the following:

$$LC = D \times GL \times ST \times HR \times 2 \times LF$$

where LC = grease trap liquid capacity (gallons)
D = number of seats in dining area
GL = gallons of wastewater per meal (1.5 single-service; 2.5 full service)
ST = storage capacity factor = 2.5
HR = number of hours open
LF = loading factor = (1.25 interstate highway
= 1.0 other highways and recreational areas
= 0.8 secondary roads)

(3) Two or more chambers must be provided, with total length-to-width ratio at least 2:1. Chamber opening and outlet sanitary tee must extend down at least 50 percent of the liquid depth.

(4) Access manholes, with a minimum diameter of 24 inches, shall be provided over each chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent surface water infiltration. The manholes shall also have readily removable covers to facilitate inspection and grease removal.

(5) One tank or multiple tanks, in series, shall be constructed in accordance with Rules .1952, .1953, and .1954 of this Section, and the provisions of Paragraphs (k)(3) and (k)(4) of this Rule.

(6) Where it has been demonstrated that specially designed grease interceptors will provide improved performance, the grease trap liquid capacity may be reduced by up to 50 percent.

(l) Stepdowns or drop boxes may be used where it is determined by the local health department that topography prohibits the placement of nitrification trenches on level grade. Stepdowns shall be constructed of two linear feet of undisturbed soil and constructed to a height which fully utilizes the upstream nitrification trench. Effluent shall be conveyed over the stepdown through nonperforated pipe or tubing and backfilled with compacted soil. Drop boxes shall be constructed so that the invert of the inlet supply pipe is one inch above the invert of the outlet supply pipe which is connected to the next

Mecklenburg County
Health Department

Betty S. Snow, R.N., M.A.
Health Director

November 2, 1992

Tim Woody
Department of Environmental Health and Natural Resources
P. O. Box 27687
Raleigh, North Carolina 27611-7687

Dear Tim:

Enclosed are the plans submitted by Mr. Tom Hall for the modified system using five (5) foot wide trenches with nine (9) foot centers. Sylvia discussed this plan with you on Friday, October 29, 1992 and you requested that we forward this to your office for review.

We appreciate your review of the plan and look forward to your comments.

I can be reached at (704) 336-5571 or Sylvia at (704) 336-5565.

Sincerely,

Judy J. Kiser, R.S.
Individual Water and Waste Systems

/jjk

Enclosure (4 pages)

6/12/17

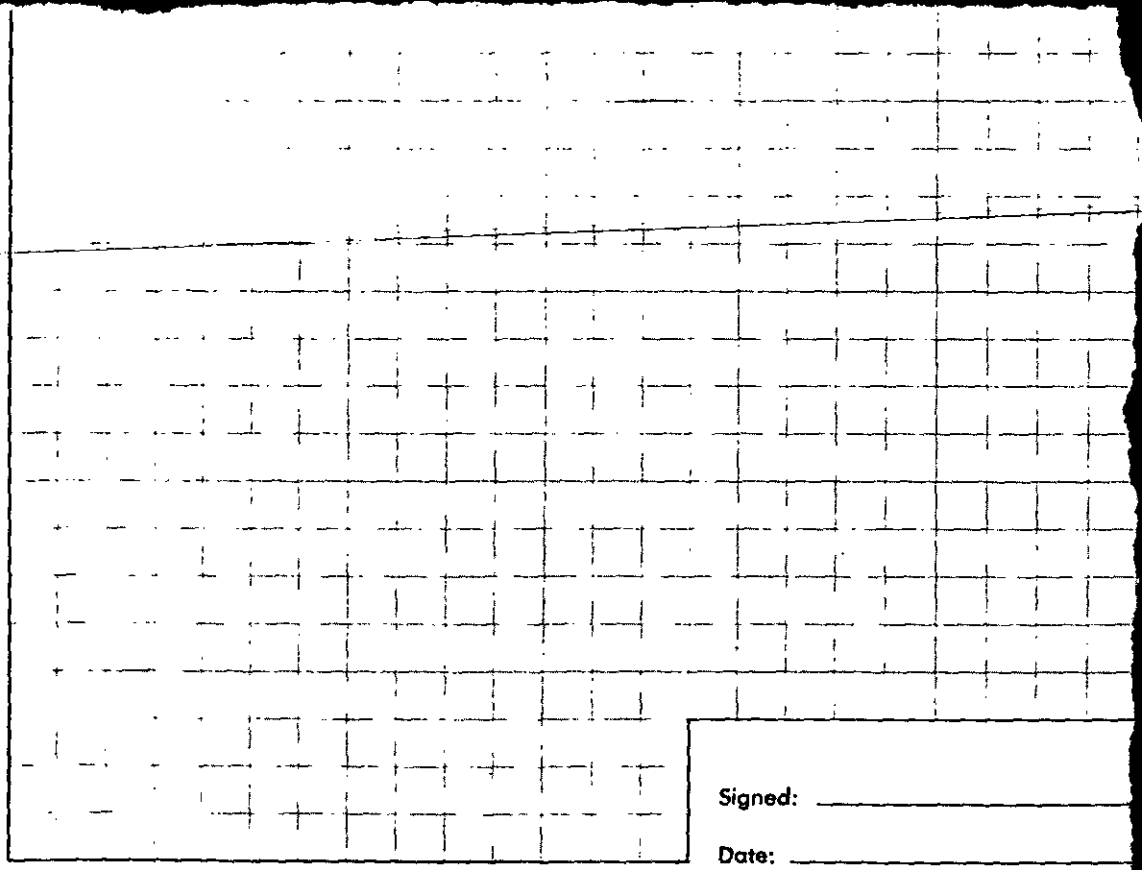
Called to $100 remaining to be transferred to file

1591B

Mr Thomas

543-7371 (H)

342-4546 W



Signed: _____

Date: _____

CLIENT _____ JOB NO. _____ COMPUTED BY _____

PROJECT _____ DATE CHECKED _____ DATE _____

DETAIL _____ CHECKED BY _____ PAGE NO. _____

19 Oct 92

Judy Visser:

I have revised the plot plan to reflect elimination of the west lot property line and the required 533 feet of absorption field drain pipe.

I have reviewed the State septic system criteria. The 36-inch trench width restriction is obviously intended to obtain a reasonable length of drain field by limiting the width of the trench when calculating the area required. Using the same drain field length while increasing the trench width has no effect on this objective and improves performance of the field by decreasing the effective loading rate.

The requirement for trench spacing of 3 times the trench width is obviously intended to limit the gross areal loading rate. Increasing the trench width from 3 to 5 feet has no effect on this objective because the loading rate per lineal foot of drain pipe is the same as for a 3-foot trench width.

There is no practicable reason for not allowing either the 5-foot trench width or the 9-foot trench spacing.

I can meet you to locate these facilities at the site on a morning of your convenience.

Best regards,

Thomas D. Hall

10801 Providence Rd. West

CLIENT _____ JOB NO _____ COMPUTED BY _____

PROJECT _____ DATE CHECKED _____ DATE _____

DETAIL _____ CHECKED BY _____ PAGE NO. _____

PROPOSED SEPTIC TANK & EFFLUENT ABSORPTION SYSTEM
10823 PROVIDENCE ROAD WEST, CHARLOTTE, NC 28277

A. PRIMARY SYSTEM

SEPTIC TANK :
CAPACITY : 1,500 GAL MIN
MATERIALS : PRECAST CONC. OR CAST IN PLACE CONC & MASONRY

ABSORPTION FIELD:
NO. & LENGTH OF PIPES & TRENCHES : 3@ 178 FT. AVG. = 534 FT.
SIZE & TYPE OF PIPES : 4 IN. CORRUGATED ABS OR PE (PERFORATED)
WIDTH OF TRENCHES : 5 FT.
SPACING OF TRENCHES : 9 FT. O.C.
DEPTH OF STONE : 6 IN ABOVE & BELOW PIPE INVERT (TOTAL 12 IN.)
GRADE OF STONE : ASTM D-448 #3, 4, 5, 57, OR 6
PIPE & TRENCH SLOPE : 1/4 IN/10 FT (0.2 %)
EARTH COVER OVER STONE : 6" MIN

LAYOUT : SEE PROPOSED PLOT PLAN & PROPERTY PLAN

B. REPAIR SYSTEM

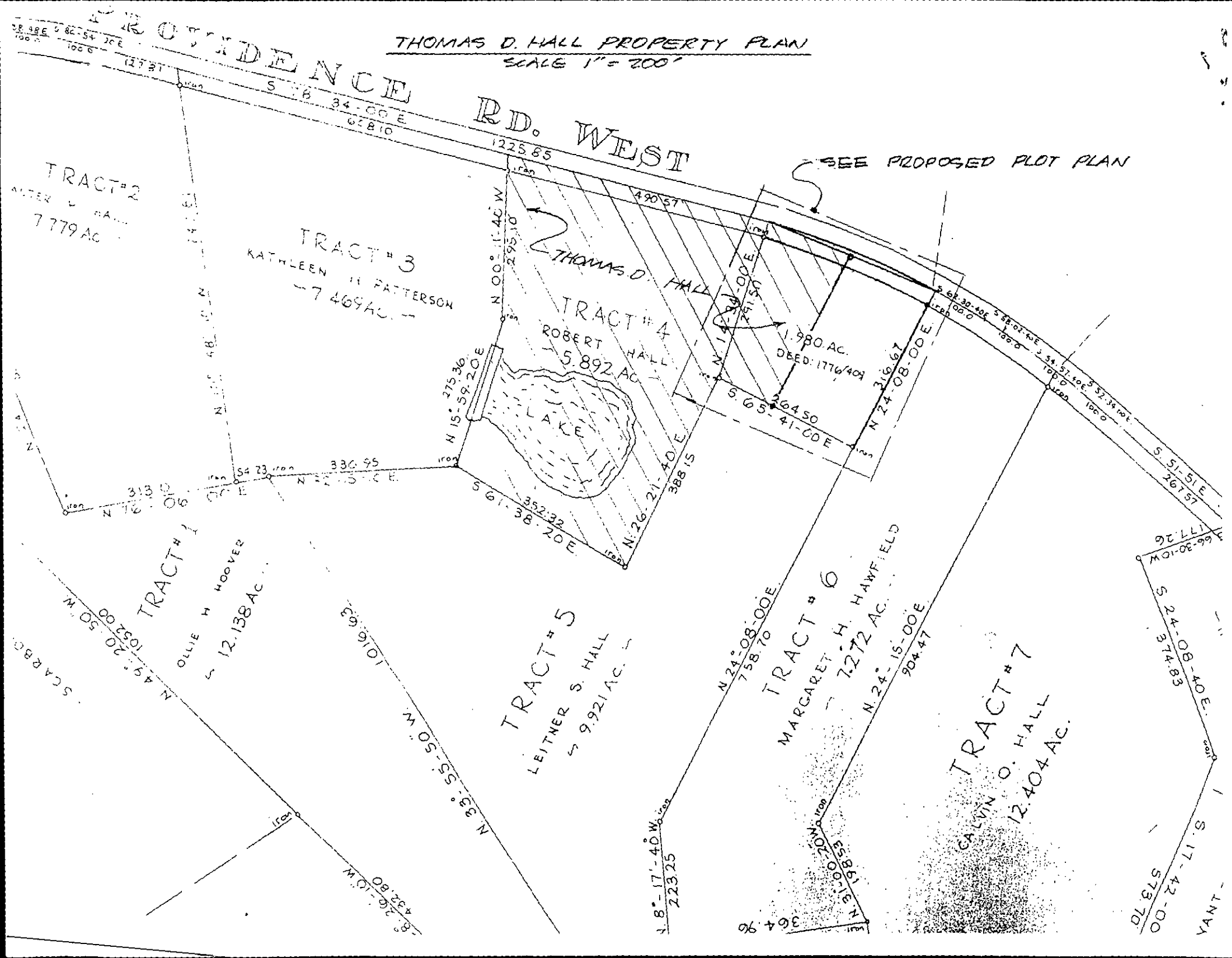
SEPTIC TANK :
CAPACITY : 1,500 GAL MIN.
MATERIALS : PRECAST CONC. OR CAST IN PLACE CONC. & MASONRY

ABSORPTION FIELD:
NO & LENTH OF PIPES & TRENCHES : 5 @ 107 FT = 525 FT.
SIZE & TYPE OF PIPES : 4 IN CORRUGATED ABS OR PE (PERFORATED)
WIDTH OF TRENCHES : 5 FT
SPACING OF TRENCHES : 9 FT O.C.
DEPTH OF STONE : 6 IN. ABOVE & BELOW PIPE INVERT (TOTAL 12 IN.)
GRADE OF STONE : ASTM D-448 #3, 4, 5, 57, OR 6
PIPE & TRENCH SLOPE : 1/4 IN/10 FT (0.2 %)
EARTH COVER OVER STONE : 6" MIN.

LAYOUT : SEE PROPOSED PLOT PLAN & PROPERTY PLAN

THOMAS D. HALL PROPERTY PLAN

SCALE 1" = 200'

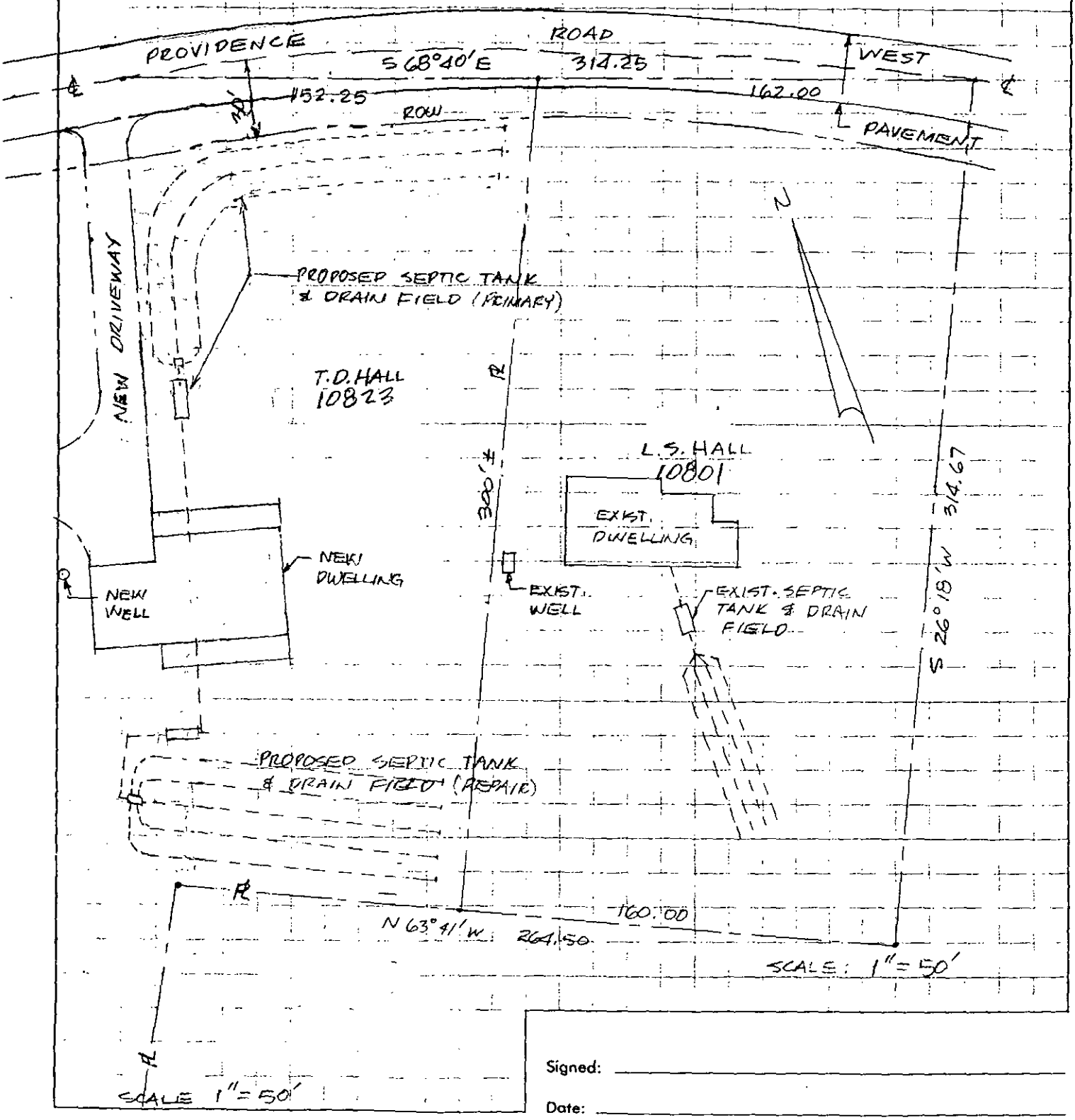


HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: _____

TC: _____

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



Signed: _____

Date: _____

LJ460

Mecklenburg County

Health Department

Betty S. Snow, R.N., M.A.
Health Director

September 30, 1992

Mr. Leitner Hall
10801 Providence Road West
Charlotte, NC 28277

RE: Property located off Providence Road West
FILE: 614B/8485A
PARCEL: 223-131-04

Dear Mr. Hall:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The property was found to contain a limited area of soils which were classified as PROVISIONALLY SUITABLE for such an installation. A copy of the Site Evaluation Report (Serial Number 12851) is enclosed for your information.

While this classification indicates the site is acceptable for the installation of a septic tank system, no specific system or plans have been approved. The area available for such an installation may impose limitations on the size and/or type construction permitted on the lot. Our review process begins upon receipt of an Application for an Improvement Permit accompanied by a plot plan **drawn to scale with accurate dimensions indicated** detailing the location of **existing** well or type sewage disposal systems (if applicable), setbacks, and utility easements. Proposed buildings, etc. must be drawn on the plot plan to allow sufficient remaining space for the sewage disposal system and well. The well should be located 100 feet from any part of **any** sewage disposal system (including those located on adjacent properties).

Please note that this classification may be changed if any filling, grading or construction (including the drilling of a well) is performed on the lot which without **prior** approval from this Department. Current regulations in effect are "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal: 15A NCAC 18A .1900, August, 1991". Changes in regulations may impact future approvals on this lot.

If there are any questions concerning this matter, please contact Bill Marlin at 336-5574.

Sincerely,

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems
KR/wpg

Mecklenburg County

Health Department

Betty S. Snow, R.N., M.A.
Health Director

October 2?, 1992

Mr. Robert D. Hall
10801 Providence Road, West
Charlotte, North Carolina 28277

Dear Mr. Hall:

This correspondence is to clarify our telephone conversation this morning regarding the status of your improvement permit application for your property located at 10823 Providence Road, West, Charlotte, North Carolina.

Upon researching our records it was determined that you applied for a soil test on September 4, 1992. Mr. Marlin performed the work and a report was mailed to you September 30, 1992. You then applied for your improvement permit on October 2, 1992. An appointment to meet on the property was arranged for October 14, 1992. When I met with you on the property, I informed you that a permit could be issued for a conventional system. You stated to me you wanted to consider a modified system design in lieu of the conventional system design. You indicated that in order to preserve the oak trees on the lot that you wish to utilize five (5) foot wide trenches and lengthen the nitrification field lines. Also, you wish to use your own equipment to install the system.

The plan you submitted on October 19, 1992 has been reviewed and it does not appear to meet current rules (please refer to Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900 rule .1955 (b), (c), (d), (g) in your copy of the rules). More specifically, the proposed trenches are greater than 36 inches in width, the linear footage for a the 4-bedroom house should be 533 feet, and with 5-foot wide trenches the trench separation should be 9 foot on centers. These requirements are very clear in the rules. Since we have not denied your permit for a conventional system, we will keep our review open and forward your plan to the state for comments.

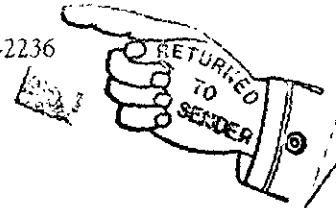
If you have any questions, please contact me at 336-5571.

Sincerely,

Judy J. Kiser, R.S.

Judy J. Kiser, R.S.
Environmental Health Specialist
Residual Water and Wastewater Systems Program

Mecklenburg County
Health Department
700 North Tryon Street
Suite 211
Charlotte, North Carolina 28202-2236



CHARLOTTE NOV - 2'92 N.C.

U.S.POSTAGE 0.29

CHARLOTTE

NO SUCH NUMBER

X52

Mr. Thomas D. Hall
10608 Providence Road, West
Charlotte, North Carolina 28277

NSN

B45?

Mecklenburg County

Health Department

Betty S. Snow, R.N., M.A.

Note: I had offered AM earlier Apt but Mr Hall was going to be out of town, so he agreed when he rec'd the schedule PM

10/14/92

October 29, 1992

Mr. Thomas D. Hall
10801 Providence Road, West
Charlotte, North Carolina 28277

Dear Mr. Hall:

This correspondence is to clarify our telephone conversation this morning regarding the status of your improvement permit application for your property located at 10823 Providence Road, West, Charlotte, North Carolina.

Upon researching our records it was determined that you applied for a soil test on September 4, 1992. Mr. Marlin performed the work and a report was mailed to you September 30, 1992. You then applied for your improvement permit on October 2, 1992. An appointment to meet on the property was arranged for October 14, 1992. When I met with you on the property, I informed you that a permit could be issued for a conventional system. You stated to me you wanted to consider a modified system design in lieu of the conventional system design. You indicated that in order to preserve the oak trees on the lot that you wish to utilize five (5) foot wide trenches and lengthen the nitrification field lines. Also, you wish to use your own equipment to install the system.

The plan you submitted on October 19, 1992 has been reviewed and it does not appear to meet current rules (please refer to Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900 Rule .1955 (b), (c), (d), (g) in your copy of the rules). More specifically, [illegible] trenches are greater than 36 inches in width, the linear footage for a one 4-bedroom house should be 600 feet, and with 3-foot wide trenches the trench separation should be 7 foot on centers. These requirements are very clear in the rules. Since we have not denied your permit for a conventional system, we will keep our review open and forward your plan to the state for comments.

If you have any questions, please contact me at 336-5571.

Sincerely,

Judy J. Kiser, R.S.
Environmental Health Specialist
Individual Water and Wastewater Systems Program

RD 200.00 10/2/92

614B (8485A) CR 2781 DJ.F.

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

[] CRT

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

(704)336-5102

COPY

W-342-4546

PERSON FILING APPLICATION:

NAME: Hall (last) Thomas (first) D. (mi)

ADDRESS: 10801 Providence Rd. W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

Date:

PROPERTY INFORMATION (FROM ENGINEERING FORM):

TAX/PARCEL NUMBER: 223-131-0400

STREET ADDRESS: 10823 Providence Rd. W.

ZONING:

PROPERTY OWNER:

NAME: Hall (last) Leitner (first) S. (mi)

ADDRESS: 10801 Providence Rd. W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

SUBDIVISION OR MOBILE HOME PARK NAME:

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

TYPE APPLICATION (check one):

[] SOIL TEST - INDIVIDUAL LOT
[X] NEW CONSTRUCTION ON VACANT
[] EXCHANGE MOBILE HOME - SAME
[] ADDITION - INCREASE ROOMS/O
[] COMMERCIAL OR INDUSTRIAL (N

LOT SIZE (in acres): 0.85

ENT (P)
OR RENOVATION/NO MAJOR CHANGES (X)

TIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
(R)

4 NUMBER OCCUPANTS: 4

ATION: II

RESIDENTIAL PROPERTY (Type Bui
[] SINGLE MOBILE HOME (S)
[] DOUBLE WIDE (D)

COMMERCIAL/INDUSTRIAL PROPERTY
Type Business
Industrial Wastes (Y/N)
Underground Storage Tanks On P

heck one):
y (C) [] Shared Well (S)
[] Municipal (M) [] Other 'spring' (O)
[X] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED
[] Swimming Pool []
[] Garage []

[X] None
[] Other

See Plat 1.39 AC

The undersigned, owner, or l
foregoing application, acknowle
DEPARTMENT to enter onto the pr

ed above as the "JOB LOCATION" has read the
rizes agents of the MECKLENBURG COUNTY HEALTH

Signed: Leitner S. Hall Date: 4 Sept. 1992

NOTICE:

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

...No work shall be conducted on the septic tank system until an installation, Construction, Alteration and/or Repair approval is granted by this Department.

...This permit is not transferable.

...

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

Site Visit 10/14
He wants to install System
in 5' trench appx 175'
on 9' Contour. Prop. he
discussed w/ Kelly.

Environmentalist Date

Director or Authorized Section Head Date

Mr. Hall Filed A Modified Plan W/ Steinbeck At State Office Plan was rejected.

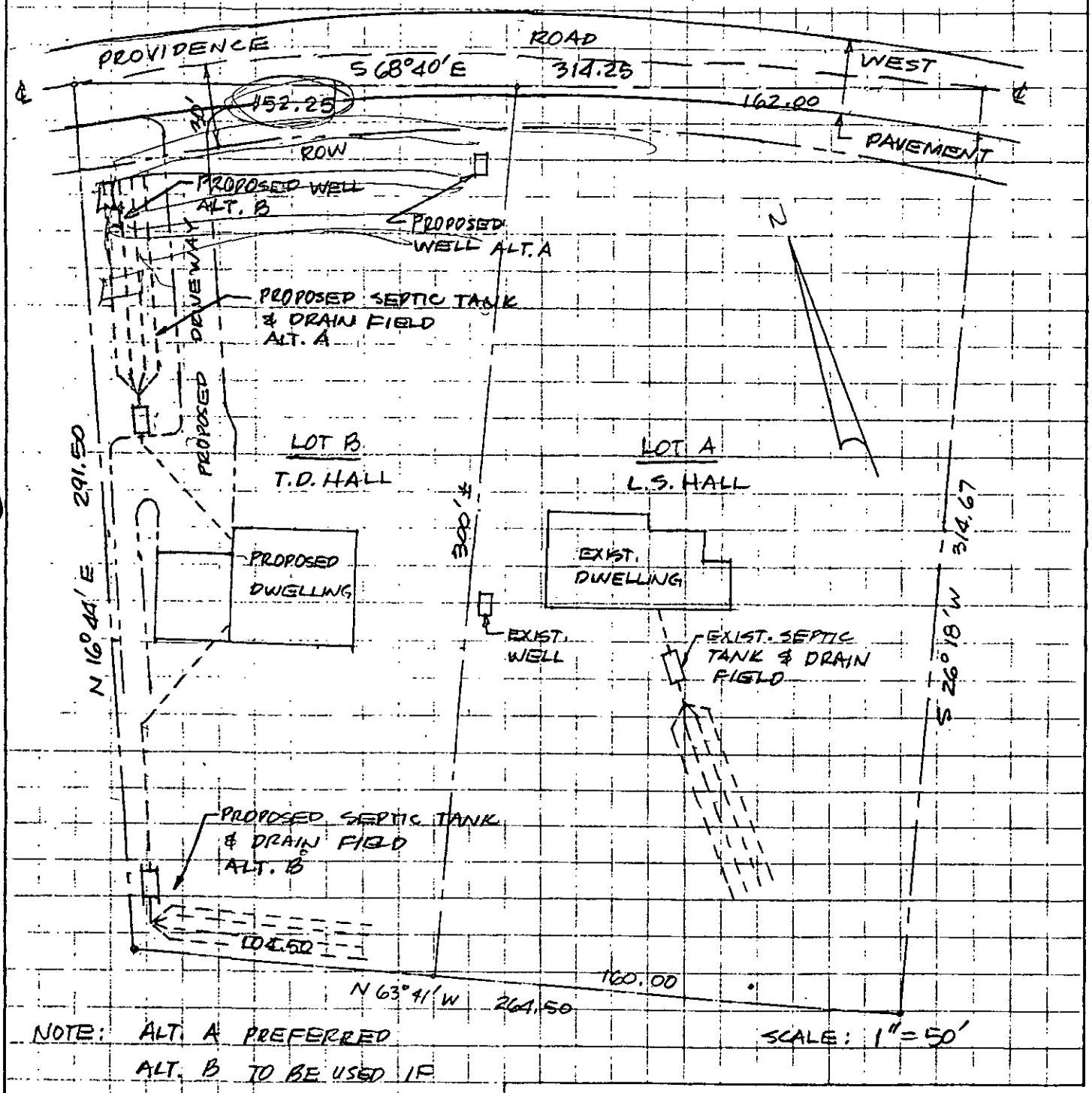
WWATER : 122791

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 614B (848SA)

TC: 223-131-04

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



NOTE: ALT. A PREFERRED
ALT. B TO BE USED IF
ALT. A UNSATISFACTORY

SCALE 1"=50'

Signed: _____

Date: _____

[redacted]CKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER

File: Action _____

Parcel: ☐ PC

[redacted]Location:

Subdivision:

Lot: Block: Acres:

Owner:
Address:

Comments: _____

_____

_____

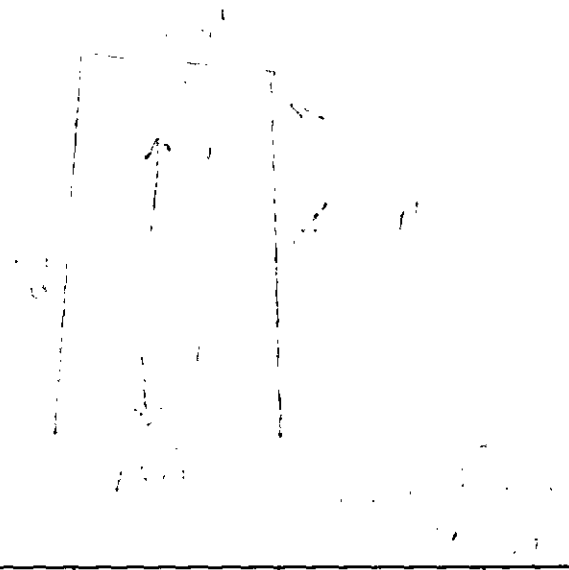
_____

Described by: _____

Date: _____

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

S = Suitable U = Unsuitable
[redacted] = Provisionally Suitable
"Area Classification" below indicates the suitability of areas in the diagram.



FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
[redacted]*er (specify)*	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series						
Area Classification	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U

EC[illegible]KLENBURG COUNTY ENVIRONMENTAL HEALTH File: 614B/8485A Action 1

SITE EVALUATION REPORT

SERIAL NUMBER 12851 Parcel: PO 223-131-04 ☐ PC

Location: Providence Road West

Subdivision:

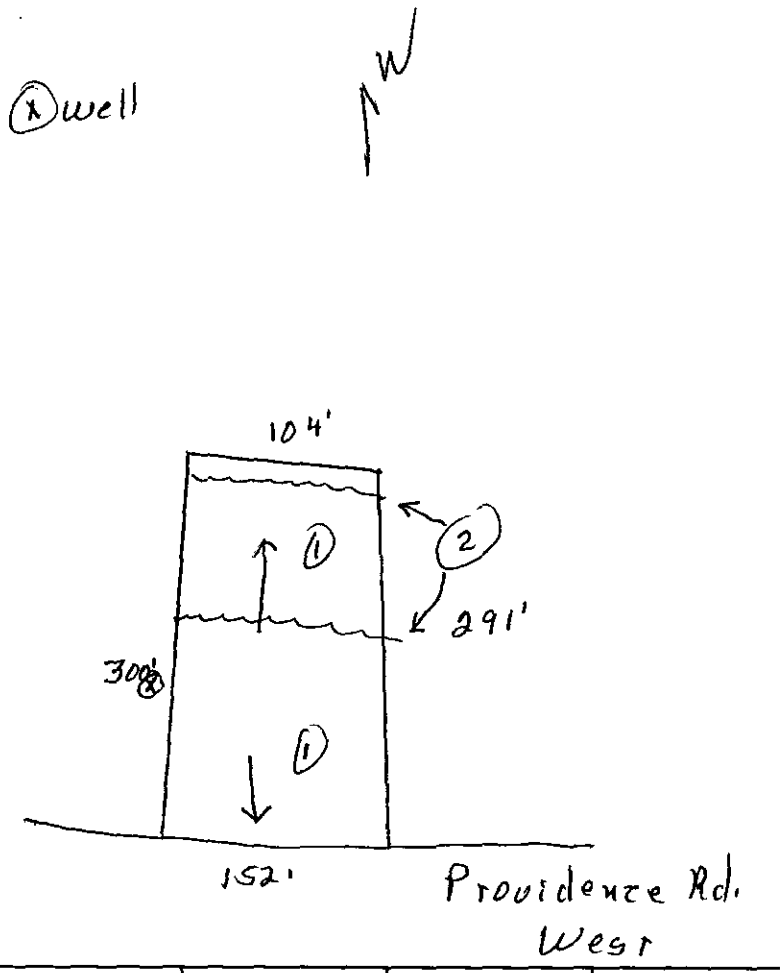
Lot: Block: Acres: .87

Owner: Leitner Hall
Address: 10801 Providence Rd. W.
Charlotte, N.C. 28277

Comments: 100% Repair

Described by: William A. Merlis

Date: 9-29-92



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

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

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	(S) PS U 6-12%	S PS (U) Terraces	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U Slightly Expansive clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U sub. Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U >36" TO water	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U >36'	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U >36'	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S (PS) U Limited	S PS U	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	II Cecil-Lilo	Terraces				
Area Classification	S (PS) U	S PS (U)	S PS U	S PS U	S PS U	S PS U

W: 342-4546

Pd 50.00 CK#2780 9-8-92 g

614B (8405A)

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

[] CRT

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

(704)336-5102

PERSON FILING APPLICATION:

NAME: Hall (last) Thomas (first) D. (mi)

ADDRESS: 10801 Providence Rd W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

Date:

PROPERTY OWNER:

NAME: Hall (last) Leitner (first) S (mi)

ADDRESS: 10801 Providence Rd W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

PROPERTY INFORMATION (FROM ENGINEERING FORM):

TAX/PARCEL NUMBER: 223-131-0400

STREET ADDRESS: 10823 Providence Rd. W.

ZONING:

SUBDIVISION OR MOBILE HOME PARK NAME:

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

LOT NUMBER: NA LOT SIZE (in acres): 0.85

TYPE APPLICATION (check one):

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

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

NUMBER BEDROOMS: NUMBER OCCUPANTS:

SYSTEM CLASSIFICATION:

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

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

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

The undersigned, owner, or legal agent for the owner, of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: Leitner S. Hall Date: 4 Sept. 1992

NOTICE:

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...This permit is not transferable.

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

Environmentalist Date

Director or Authorized Section Head Date

WATER : 122791

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

DATE 6/2/92

FROM: COUNTY ENGINEERING DEPARTMENT

EHD FILE _____ JURISDICTION CODE Mck

PARCEL NUMBER H 223-131-0400

ASSIGNED ADDRESS 10823 Providence Rd West

EXISTING ADDRESS _____

PROJECT NAME N/A

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

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

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

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

REMARKS: Septic tank & Well

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIER'S OFFICE AT BUILDING STANDARDS WHEN PAYING PERMIT FEES.
A CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL THE TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAY(S).

SIGNED: [signature]

OPWEAR 06-88

NEW ADDRESS / /*

FORM 100

PD 200.00 10/2/92
CR 3781 DJ7.

614B (8485A)

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

[] CRT

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

(704)336-5102

PERSON FILING APPLICATION:

NAME: Hall (last) Thomas (first) D. (mi)

ADDRESS: 10801 Providence Rd.W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

Date:

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ZONING:

PROPERTY OWNER:

NAME: Hall (last) Leitner (first) S. (mi)

ADDRESS: 10801 Providence Rd.W PHONE: 704 542 9944

CITY: Charlotte STATE: NC ZIPCODE: 28277

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[] SOIL TEST DEVELOPMENT (P)
[] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)
[] MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
[] REPAIR TO SYSTEM (R)

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

NUMBER BEDROOMS: 4 NUMBER OCCUPANTS: 4

SYSTEM CLASSIFICATION: II

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

WATER SUPPLY (check one):
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WWATER : 122791

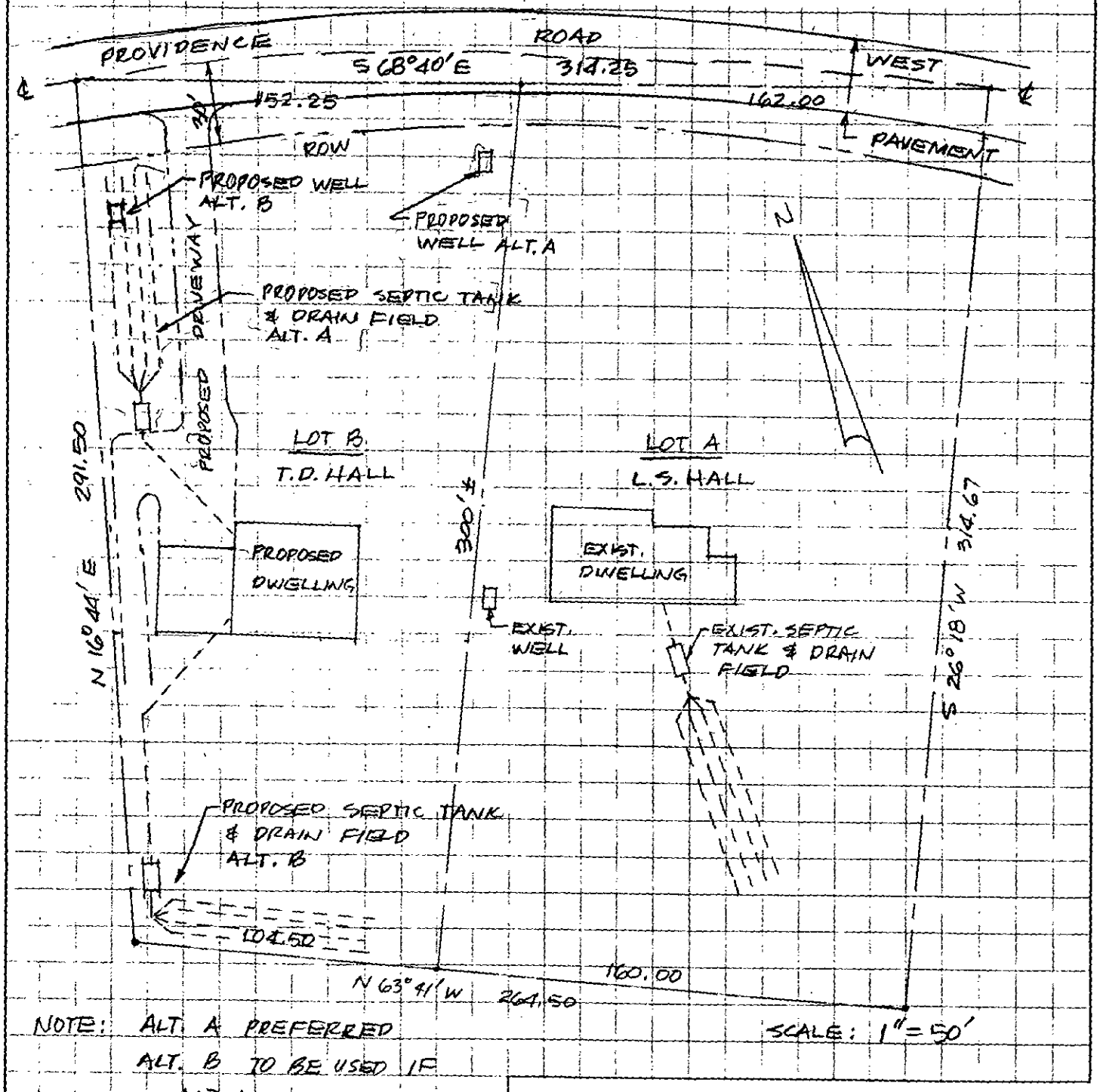
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 614B (8485A)

TC: 223-131-04

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



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ALT. B TO BE USED IF
ALT A UNSATISFACTORY

SCALE 1"=50'

SCALE: 1"=50'

Signed: _____

Date: _____