

Completion Statement

Issue Apr

Commonwealth of Virginia
State Department of Health

Health Department

Identification Number 160-97-0455

Health Department

Name of Company/Corporation/Individual: C. R. SALT, INC.

Address: BLACKBURG.

Telephone: _____

Owner's Name Leonid Mirovitch

Owner's Address via Taylor & Co Builders 307 Ardmore St Blackburg

Location of Installation: Lot 15 Block _____

Section: _____ Subdivision: OFF H TON

Other: _____

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) 08-28-90 and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

4-28-90

Date

**Michael E. Orange*
Signature and Title

WATER SUPPLY and/or SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

Montgomery County Health Department

Health Department ID# 160-97-0455

Map Reference subdivision file

Water supply system: New ___ Repair ___ Public X FHA ___ VA ___ Case No. ___ Existing ___Sewage Disposal System New X Repair ___ Expanded ___ Conditional ___ Public ___ Existing ___Based on the application for a sewage disposal system construction permit filed in accordance with Section 2.13E, of the *Sewage Handling and Disposal Regulations* and/or Section 2.13 of the *Private Well Regulations* a construction permit is hereby issued to: **LEONARD MEIRIVITCH**

Owner SAME Telephone 951-2901

Address: 303 NEIL ST., BLACKSBURG, VA., 24060

For a Type II Sewage disposal system to be constructed on/at: **LOT ON LEFT OF HIGHLAND CIRCLE**Subdivision **OAKTON** Section/Block **N/A** Lot **15** Actual or estimated water use **450 GPD**Number of Bedrooms **3**

| DESIGN | NOTE: SEWAGE DISPOSAL SYSTEM INSPECTION RESULT |
|---|---|
| Water Supply Existing: (describe) <u>PUBLIC</u> To Be Installed: class oased grouted | Water Supply Location: Satisfactory yes <u>no</u> comments Completion Report G.W.2 received yes ___ no ___ not applicable <u>✓</u> |
| Building sewer: 3" OR 4" I.D. pvc schedule 40 or equiv. Slope 1.25' per 10' (minimum). ___ Other | Building Sewer: Yes <u>✓</u> No ___ comments Satisfactory |
| Septic Tank: Capacity 1000 gals. (Minimum) <u>X</u> Other 100GAL. PUMP CHAMBER | Pretreatment Unit: Yes <u>✓</u> No ___ comments Satisfactory |
| Inlet-Outlet structure: PVC Schedule 40, 4" tees or equivalent. ___ Other | Inlet-Outlet structure: Yes <u>✓</u> No ___ comments Satisfactory |
| Pump and pump station: No ___ Yes <u>X</u> describe and show design. If yes TO MEET SYSTEM DEMANDS | Pump and pump station: Yes ___ No ___ comments <u>N/A</u> |
| Gravity mains: 3" or larger I.D. minimum 6" fall per 100', 1500 lb. Crush strength or equivalent. <u>X</u> Other 2" ID PVC SCHEDULE 40 OR EQUIVALENT | Conveyance method: Yes <u>✓</u> No ___ comments Satisfactory |
| 4 Distribution boxes: two with 4 ports and 2 Precast concrete with 8 ports. ___ Other OR APPROVED VINYL D-BOXES | Distribution box: Yes <u>✓</u> No ___ comments |
| Header lines: Material: 4" I.D. 1500 lb. Crush strength plastic or equivalent from distribution box to 2" into absorption trench. Slope 2" minimum. ___ Other | Header lines: Yes <u>✓</u> No ___ comments Satisfactory |
| Percolation lines: Gravity 4" plastic 1000 lb. Per foot bearing load or equivalent, slope 2" 4" (min. max.) Per 100'. ___ Other | Percolation lines: Yes <u>✓</u> No ___ comments |
| Absorption trenches: Square ft. required 2400 : Depth from ground surface to bottom of trench 24" : Aggregate size #57: Trench bottom slope <u>1/4"</u> per 10 linear ft.: Center to center spacing <u>9'</u> : Trench width 36" Depth of aggregate 13" Trench length 100' Number of trenches 8 Reserve required: <u>X</u> yes ___ no LCMI REQUIRED | Absorption trenches: Yes <u>✓</u> No ___ comments Satisfactory Date <u>4-28-88</u> Inspected & approved by: <u>Clare Jones</u> Sanitarian |

Schematic drawing of sewage disposal and/or water supply system and topographic features.

Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system, including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

☐ The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design.

This permit is to allow construction of an on-site sewage disposal system designed to serve a 3 bedroom home having a maximum full-time occupancy of 6 persons.

Remove all trees from the drainfield surface.

Divert water from the house roof and footer drains away from the the drainfield area and septic tank/ pump chamber .

The house must be at least 20 feet from the septic tank/pump chamber, distribution box, or any other drainfield component.

This permit MAY also require the use of an effluent pump and pump chamber (see page 4).

This permit also requires the installation of an LGMI (see page 5).

The septic tank and/or pump chamber must be bedded with at least 6" of gravel where rock or other undesirable conditions are encountered.

Install all drainfield lines on contour.

See diagram on page 3.

This sewage disposal system and/or water supply is to be constructed as specified by the permit ☒ or attached plans and specifications _____.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: 01-11-11 Issued by: [Signature]
Sanitarian

Date: _____ Reviewed by: _____
Supervisory Sanitarian

This Construction
Permit Valid until

02-11-11

If FHA or VA financing

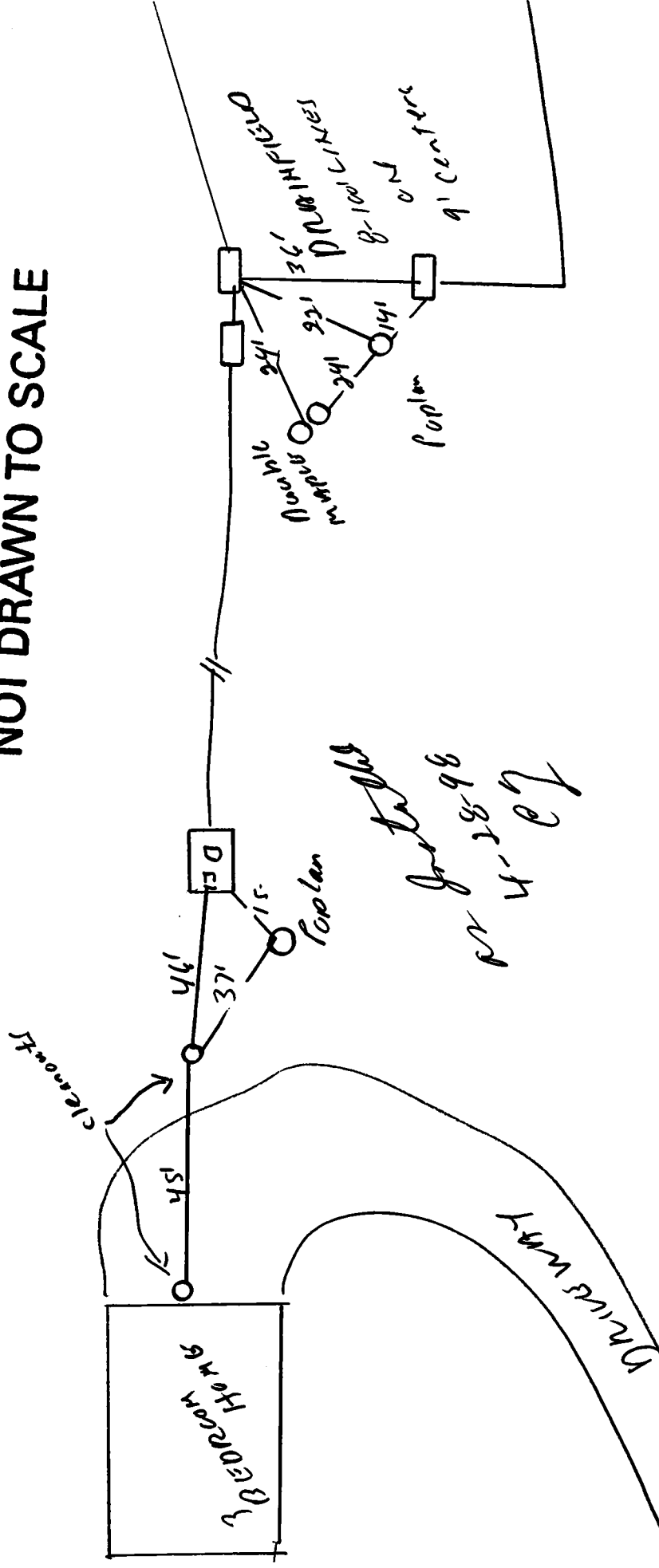
Reviewed by Date _____ Date _____

160-92-0455

Lot # 107

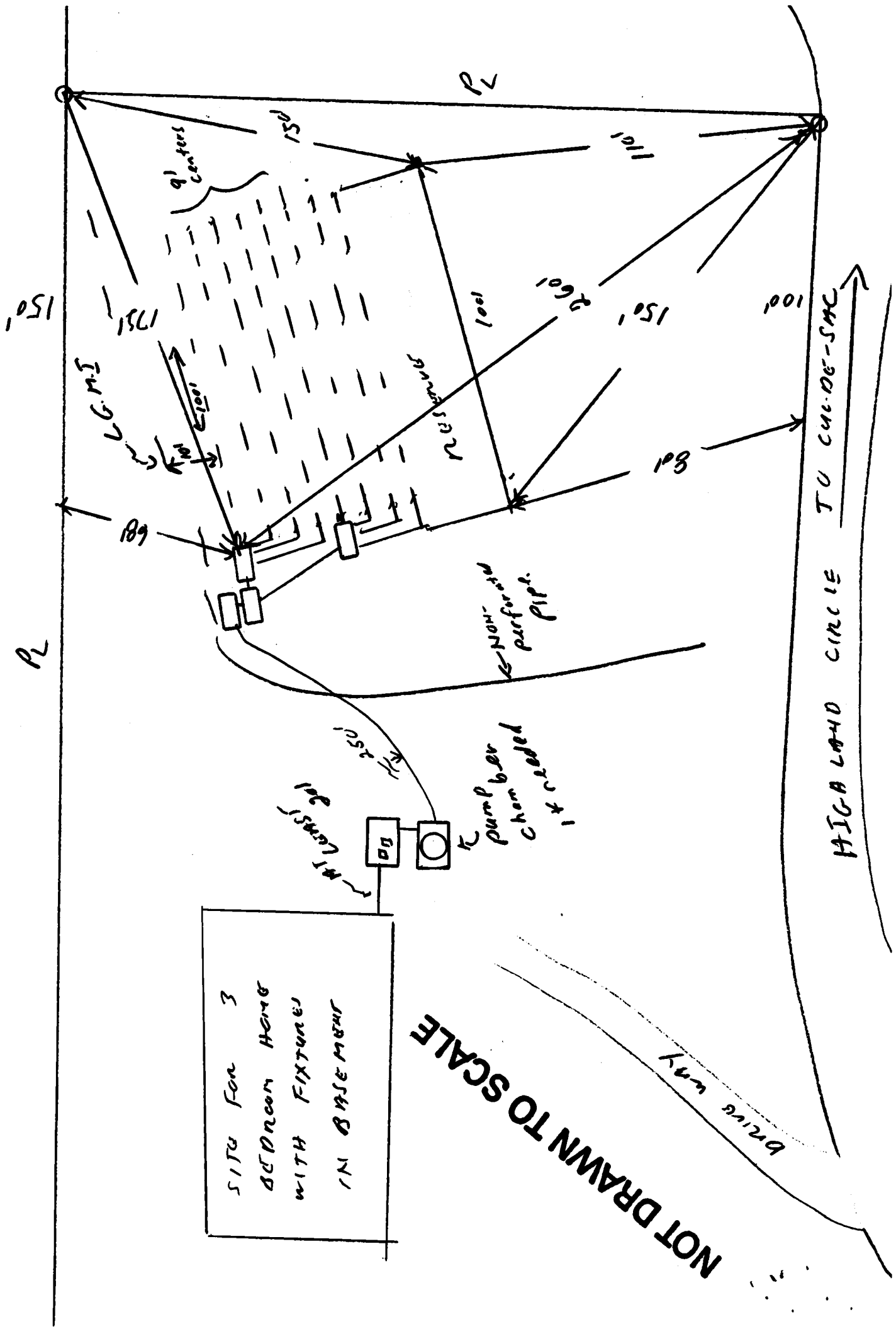
ADDITION

NOT DRAWN TO SCALE



Highland Circle

To Cul-de-sac

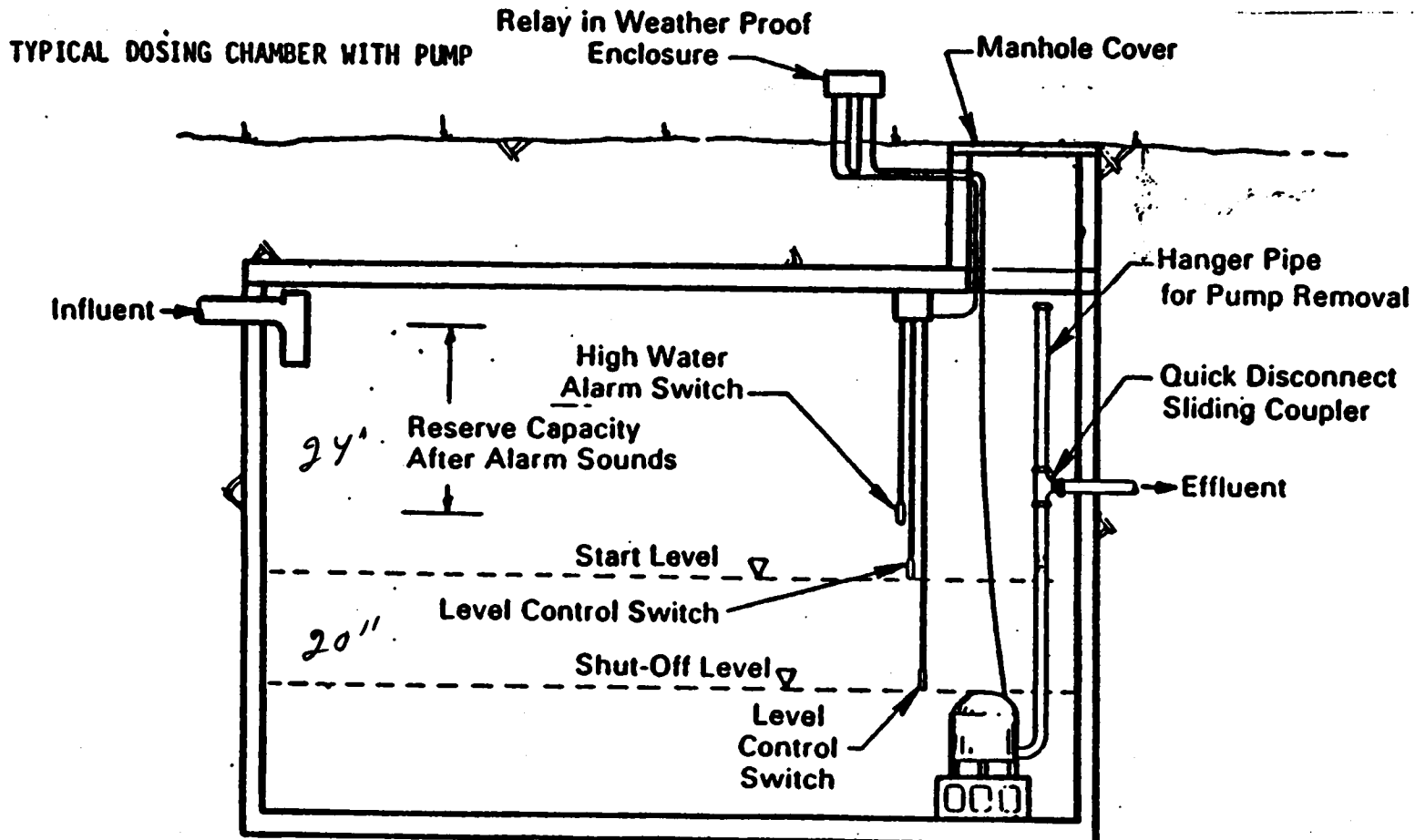


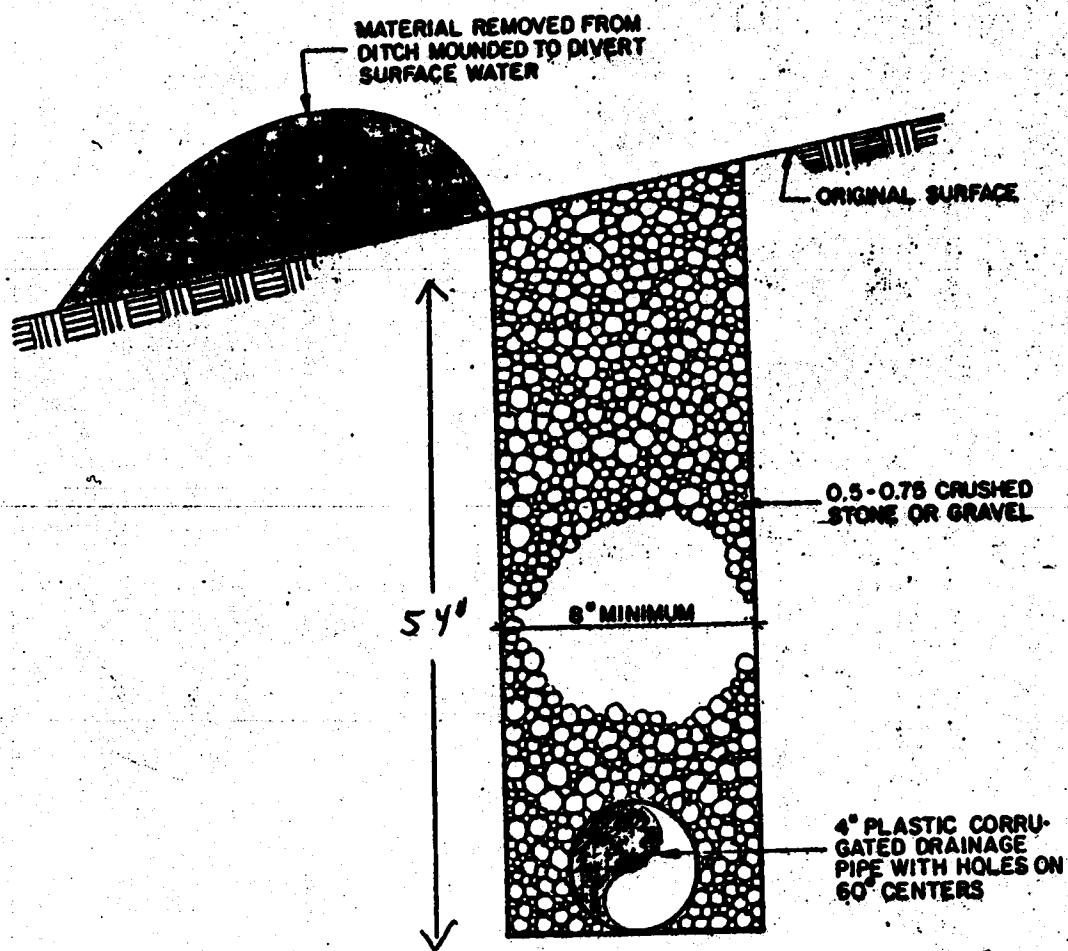
P7604

160-97-455

PUMP TANK INFORMATION

1. SYSTEM DESIGNED FOR 3 BEDROOM HOUSE
2. SYSTEM DESIGNED FOR PUMPING TO HIGHER ELEVATION
3. SYSTEM TO USE 1000 GAL. PUMP TANK AND APPROVED SEWAGE EFFLUENT PUMP SIZED TO PUMP 400 GALLONS PER CYCLE.
4. SUBMIT SPECIFICATIONS OF PROPOSED PUMP TO HEALTH DEPARTMENT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION
5. SYSTEM WILL REQUIRE APPROVED AUDIO-VISUAL ALARM SYSTEM MOUNTED SECURELY AND IN AN APPROPRIATE LOCATION, CHECK AND GATE VALVES, AND AN ANTI-SIPHON APERTURE.
6. AN ACCESS PORT TO THE PUMP CHAMBER MUST BE EXTENDED TO THE GROUND SURFACE





LATERAL GROUNDWATER INTERCEPTOR

SCALE: 1" = 4'

SOIL EVALUATION OF: Oakton Subdivision - Lot 15

DATE OF EVALUATION: March 7, 1991

EVALUATOR: Simon and Associates, Inc. by John J. Simon

Soil Information Summary

1. Landscape position: sideslope
2. Slope: 5-14%
3. Depth to rock/impervious strata: >40"
4. Depth to seasonal water table (gray mottling or gray color):
No water related gray mottles were noted
5. Free water present? no
6. Estimated soil percolation rate: 60 to 90 min/in
7. Texture Group: III, IV
8. Percolation test performed? no

List of Definitions

| <u>Structure</u> | | | | <u>Texture</u> |
|------------------|----|-----------|------------------------|----------------|
| 1 weak | vf | very fine | GR granular | S sand |
| 2 moderate | f | fine | SAB sub angular blocky | Si silt |
| 3 strong | m | medium | B blocky | C clay |
| | c | coarse | PR prismatic | L loam |

Soil Profile Descriptions

| <u>Depth</u> | <u>Horizon</u> | <u>Matrix</u> | <u>Mottle</u> | <u>Structure</u> | <u>Texture</u> | <u>Group</u> | <u>Est.PR</u> |
|---|----------------|---------------|---------------|------------------|----------------|--------------|---------------|
| Pit 40 | | | | | | | |
| 0-6 | A | 10YR4/3 | | 2 f GR | L | II | 40 |
| 6-36 | B1t | 5YR5/8 | | 2 f B | C | IV | 90 |
| 36-48 | B2t | 10YR5/8 | c 7.5YR5/8 | 2 m B | CL | III | 75 |
| Pit 41 | | | | | | | |
| 0-6 | A | 10YR4/3 | | 2 f GR | L | II | 40 |
| 6-14 | B1t | 10YR5/6 | | 2 f B | CL | III | 60 |
| 14-42 | B2t | 5YR5/6 | c 10YR5/6 | 2 f B | C | IV | 90 |
| 42-48 | B3t | 5YR5/6 | m 10YR6/6 | 2 m B | C | IV | 95 |
| Pit 42 | | | | | | | |
| 0-6 | A | 10YR4/3 | | 2 f GR | L | II | 40 |
| 6-14 | B1t | 10YR5/6 | | 2 f B | CL | III | 60 |
| 14-42 | B2t | 5YR5/6 | c 10YR5/6 | 2 f B | C | IV | 90 |
| 42-48 | B3t | 5YR5/6 | m 10YR6/6 | 2 m B | C | IV | 95 |
| Note: One end of the pit is a loam with 20% gravel. | | | | | | | |

| <u>Depth</u> | <u>Horizon</u> | <u>Matrix</u> | <u>Mottle</u> | <u>Structure</u> | <u>Texture</u> | <u>Group</u> | <u>Est.</u> | <u>PR</u> |
|--------------|----------------|---------------|---------------|------------------|----------------|--------------|-------------|-----------|
|--------------|----------------|---------------|---------------|------------------|----------------|--------------|-------------|-----------|

Pit 43

| | | | | | | | | |
|-------|-----|----------|---------|-----|----|----|-----|----|
| 0-6 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 6-14 | B1t | 10YR5/6 | | 2 f | B | CL | III | 60 |
| 14-42 | B2t | 5YR5/6 c | 10YR5/6 | 2 f | B | C | IV | 90 |
| 42-48 | B3t | 5YR5/6 m | 10YR6/6 | 2 m | B | C | IV | 95 |

Note: There is a limestone pinnacle or boulder in one end of the pit.

Core 99

| | | | | | | | | |
|-------|-----|--------------------|--------------------|-----|----|---|----|----|
| 0-4 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 4-14 | B1 | 10YR6/6 | | 2 f | B | L | II | 40 |
| 14-40 | B2t | mottled 10YR7/8 | 7.5YR5/8 5YR5/8 | 2 m | B | C | IV | 90 |

Core 100

| | | | | | | | | |
|-------|-----|---------|--|-----|----|---|----|----|
| 0-6 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 6-24 | B1 | 10YR7/6 | | 2 f | B | L | II | 40 |
| 24-42 | B2t | 10YR5/8 | | 2 f | B | C | IV | 90 |

Pit 44

| | | | | | | | | |
|-------|-----|---------|--|-----|----|----|-----|----|
| 0-6 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 6-30 | B1t | 10YR6/6 | | 2 f | B | CL | III | 60 |
| 30-48 | B2t | 10YR5/8 | | 2 m | B | C | IV | 90 |

Pit 45

| | | | | | | | | |
|-------|-----|----------|--|-----|----|----|-----|----|
| 0-6 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 6-14 | B1t | 10YR6/6 | | 2 f | B | CL | III | 60 |
| 14-48 | B2t | 7.5YR5/8 | | 2 m | B | C | IV | 90 |

Core 101

| | | | | | | | | |
|-------|-----|------------|---------|-----|----|----|-----|----|
| 0-4 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 4-14 | B1t | 10YR6/8 | | 2 f | B | CL | III | 60 |
| 14-48 | B2t | 7.5YR5/8 m | 10YR6/8 | 2 m | B | C | IV | 90 |

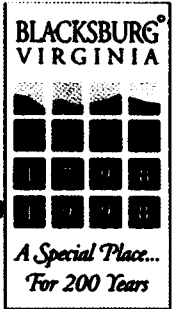
Core 102

| | | | | | | | | |
|-------|-----|------------|---------|-----|----|----|-----|----|
| 0-4 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 4-14 | B1t | 10YR6/8 | | 2 f | B | CL | III | 60 |
| 14-48 | B2t | 7.5YR5/8 m | 10YR6/8 | 2 m | B | C | IV | 90 |

Core 103

| | | | | | | | | |
|-------|-----|---------|--|-----|----|---|----|----|
| 0-6 | A | 10YR4/3 | | 2 f | GR | L | II | 40 |
| 6-36 | B1t | 10YR6/8 | | 2 f | B | C | IV | 90 |
| 36-48 | B2t | 10YR5/8 | | 2 m | B | C | IV | 90 |

Town of Blacksburg



August 5, 1997

Montgomery County Health Department
Pepper Street
Christiansburg, VA 24073

RE: Property at 1505 Highland Circle SE

Dear Sir:

Please be advised that there is no public sewer available to the referenced property. Therefore, the Town has no objection to your consideration of a septic system permit for this property.

In addition, the referenced property is zoned PR-Planned Residential and a single family dwelling is a permitted use in this district.

Please contact me at 961-1126 if I may be of further assistance in this matter.

Very Truly Yours,

Adele P. Schirmer, Director
Planning and Engineering Department

cc: Bob Miller, Building Official
cc: Alisa Rogers, Development Administrator
cc: Everett Stowers, Utility Inspector
cc: Randy Formica, Town Engineer
cc: Meredith Tremel, Town Engineer

o:address/highland/1505/septic.doc



Specifications:

1. Type of system: Gravity; enhanced flow is recommended due to the number of lines
2. Number of bedrooms: 4
3. Design percolation rate: 90 min/in
4. Installation depth: 24"
5. Drainfield area: 3144 sq. ft.
6. Length of 3 ft. wide trench: 1056 ft.
7. LGMI: yes Depth: 54"
8. Reserve required: 50%
9. Trench spacing: 9 ft. centers

Note: More than 50% reserve is available. Although numerous borings were placed in the drainfield and reserve area, there is some probability that a few pinnacles of limestone may be encountered in either the drainfield or the reserve. THIS DRAINFIELD SHOULD NOT BE INSTALLED WHEN THE SOIL IS WET DUE TO THE CONSISTENCY OF THE CLAY.

Application for a Sewage Disposal System Construction Permit

Commonwealth of Virginia
Department of Health

For Department Use Only

Health Department

Identification Number 1160-91-0129

Map Reference _____

Montgomery County

Health Department

Date Received 4-9-91

M 088506

\$ 25⁰⁰

To Be Completed By The Applicant

Type sewage system: ☒ New ☐ Repair ☐ Expanded ☐ Conditional
FHA/VA yes ☐ no ☐

Owner Town & County Properties Address P.O. Box 392 Phone 953-2233
Blacksburg, VA 24060

Agent Mr. Bill Ellenbogen Address P.O. Box 392 Phone 953-2233
(Vice-President)
Blacksburg, VA 24060

Directions to Property Entrance to subdivision is the intersection of Sunrise Dr. &
Highland Circle Dr. in Blacksburg.

Subdivision Oakton Section 1 Block _____ Lot 15

Other Property Identification _____

Dimensions/size of Lot/Property 3.0 acres

Other Application Information

1. Building/facility ☒ New ☐ Existing
Intermittent Use ☐ Yes ☒ No If yes, describe: _____

2. Residential Use ☒ Yes ☐ No
Termite Treatment ☒ Yes ☐ No
Basement ☒ Single Family ☐ Multifamily Number of Units 1 Number of Bedrooms 4
Fixtures in Basement ☒ Yes ☐ No

3. Commercial Use ☐ Yes ☒ No Describe: _____

Commercial/Wastewater ☐ Yes ☒ No Number of Patrons _____ Number of Employees _____
If yes, give volumes and describe _____

4. Water Supply: ☒ Public ☐ Private ☒ New Describe: Blacksburg town water
☐ Existing

5. Proposed Installation: ☒ Septic tank and drainfield ☐ Other
If other, describe _____

SITE
LAN Attach a site plan (rough sketch) showing dimensions of property, proposed and/or existing structures and driveways, underground utilities, adjacent soil absorption systems, bodies of water, drainage ways, and wells and springs within 200 feet radius of the center of the proposed building or drainfield. Distances may be paced or estimated.

The property lines and building location are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing this application.

Signature of owner/agent

4/8/91
Date

JAMES A. GAINES
288 (1) 74

S30°22'39"E
207.92

15' P.V. &
D.E.

640.00

LOT 15
3.065 AC.

C34
C32
HIGHLAND

EDUCATIONAL FOUNDATION, INC.
SECT. 79
258-S-75 thru 85
80 81

N87°19'00"E 2518.08
172.1

DRAIN FIELD

RESERVE

CIRCLE

C31

C3

LOT 14

2.643 AC.

550.00

83

84

82

DRAIN FIELD

RESERVE

R/W

C10

C32

50'

C3

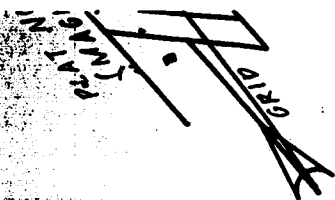
DRAIN

60.0' RAD

C9

C8

S2



\$100⁰⁰
2349152

Commonwealth of Virginia
Application for a Sewage Disposal and/or Water Supply Permit

Health Department ID 1160-97-0455

~~7-30-97~~ 8-6-97

To Be Completed By The Applicant

Type of sewage system: ☒ New ☐ Repair ☐ Expanded ☐ Conditional
PHA/VA yes ☐ no ☐ Case No. _____

Owner Leonard Meiravitch

Address 303 Neil St
Blacksburg Va

Phone 951-2901

Agent Taylor & Co. Builder

Address 302 Ardmore St
Blacksburg Va

Phone 953-2839

320-2839 (mobile/keper)

Directions of Property 1505 Highland Cir

Subdivision Oakton Section _____ Block _____ Lot #15

Other Property Identification _____

Dimension/size of Lot/Property 3.065 AC.

Other Application Information

I. Building/facility ☒ New ☐ Existing
Intermittent Use ☐ Yes ☐ No If yes, describe _____

II. Residential Use ☒ Yes ☐ No
Termite Treatment ☒ Yes ☐ No
☒ Single Family ☐ Multi-family
(Number of Bedrooms 3) (Number of Units _____)

Basement ☒ Yes ☐ No
Fixtures in Basement ☒ Yes ☐ No

III. Commerical Use ☐ Yes ☐ No Describe: _____

Commerical/Wastewater ☐ Yes ☐ No Number of Patrons _____
Number of Employees _____

If yes, give volumes and describe _____

IV. Water Supply: ☒ Public ☒ New ☐ Existing
☐ Private ☐ New ☐ Existing

Describe: _____

V. Proposed Sewage Disposal Method:

Onsite Sewage Disposal System: ☒ Septic Tank Drainfield ☐ LPD ☐ Mound ☐ Other

Public Sewerage System

Attach a site plan (rough sketch) showing dimensions of property, proposed and/or existing structures and driveways, underground utilities, adjacent soil absorption system, bodies of water, drainage ways, and wells and springs within 200 feet radius of the center of the proposed well or drainfield. Distances may be paced or estimated.

The property lines and building location are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing this application.

Alan S. Taylor
Signature of Owner/Agent

7/30/97
Date



OAKTON
15

COMMONWEALTH of VIRGINIA
Montgomery County Health Department

IN COOPERATION WITH
VIRGINIA STATE DEPARTMENT OF HEALTH

210 South Pepper Street
Suite A
Christiansburg, VA 24073

TELEPHONE (540) 381-7100
FAX (540) 381-7104

August 8, 1997

Mr. Leonard Meirovitch
c/o Tayloe & Co Builder
302 Ardmore Street
Blacksburg, Virginia 24060

Dear Mr. Meirovitch:

Enclosed is a copy of your construction permit and other pertinent data in reference to your Application for a Sewage Disposal System Construction Permit, I. D. No. 160-97-0455. This permit should be treated as an important document and should be kept with the deed to the property. If it should be lost or damaged, there will be a fee charged for a copy.

At this time you may begin construction of this system, which must comply with all requirements on the enclosed permit. This permit is not transferable.

If you feel any changes are necessary, please contact me at the Environmental Health Office at 381-7114 between 8:00 a.m. and 9:00 a.m.

Thank you very much for your cooperation.

Yours truly,

Clare Zaronsky
Clare Zaronsky

Environmental Health Specialist

Enclosure

EH-L-1A

/er