

Rhode Island Department of Health

DIVISION OF FOOD PROTECTION & SANITATION

FPS 569/3

Appli/

No.

Date Issued

APPLICATION FOR APPROVAL OF AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Application is hereby made for an approval to: Construct ☒ Alter ☐ Repair ☐ an individual sewage disposal system at Pole #2916 Conanicut Road Narragansett, R.I. Plat N-H Lot 263

Owner: Anthony Santilli Address c/o 315 Cowesett Ave. W.W., R.I. Pole No., Street, City or Town Telephone 821-8872

Was subdivision reviewed by the State? Yes ☐ No ☒ Name of subdivision & section 10,464 public
Size of Lot 10,464 Sq. ft. Type of water supply public
Use of building residential No. of persons 10 No. of bedrooms 5
Design flow 150 gallons per (unit) bedroom Total daily flow: 750 gals.
Required septic tank capacity 1250 gallons.

A plan of the proposed disposal system must be submitted with this application showing the information required by the regulation R23-1-SD2.2.

AGREEMENT: The undersigned agrees to construct the proposed individual sewage disposal system in accordance with the provisions of R23-1-SD as adopted with the authority of Chapter 23-1 of the General Laws 1956, as amended. The undersigned further agrees not to cover the system until authorized by the director.

SIGNATURE: [Signature] Date 8/8/72

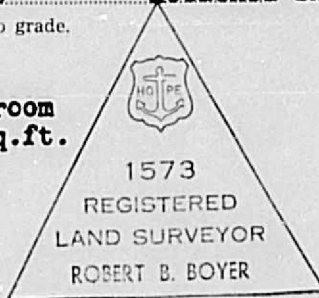
Check whether: Owner ☐ Builder ☐ Agent ☐

SOIL EXPLORATION DATA

Description of soil Heavy silt Depth to ground water 1.2' Date 6/22/72
Depth of water table during wet season not above How determined? installation of underdrain see
Depth to impervious formations (ledge, etc) 43.2 none Depth of test hole 8'-6" attached sht.
Seepage area elevation will be: ☐ Natural ☒ Filled ☐ Cut 1 ft. 6 inches to grade.
Percolation Test Results: Performed by [Signature] Date 6/22/72
Test hole (min./in. fall) 1. 16.13 2. 20 min/inch Application Rate 315 sq.ft./bedroom
Depth of perc/test hole 1. 12" 2. 3. Minimum total leaching area: 1575 sq.ft.

I, Robert B. Boyer Title Reg. land surveyor
of West Warwick, Rhode Island do hereby certify that the subsoil explorations were made and reported in accordance with the provisions of R23-1-SD.

Certificate of Witness: Name Title



Engineer's or Surveyor's Seal

TYPE OF SEEPAGE SYSTEM TO BE INSTALLED

Trench ☐ Bed ☒ No. of lines 6 Width 31' Length 54' Total sq. ft. 1674 sq.ft.
Seepage pit ☐ Cesspool ☐ Diameter or dimensions Depth below inlet
☐ APPROVED. By Permission is hereby granted to
to construct ☐ alter ☐ or repair ☐ an individual sewage disposal system at
as indicated on the attached plan.
☐ DISAPPROVED. By for the following reason(s):

Date Authority Field Office, City or Town

INSTRUCTIONS

Complete form in triplicate. WHITE, Applicant's Copy. PINK, Office copy. YELLOW, Building Inspector's Copy.

ORIGINAL COPY

Rhode Island Department of Health
DIVISION OF FOOD PROTECTION & SANITATION
APPLICATION FOR APPROVAL OF AN INDIVIDUAL
SEWAGE DISPOSAL SYSTEM

FPS 569/3

Appli/

No. 220-158

Date Issued.....

Application is hereby made for an approval to: Construct ☐ Alter ☐ Repair ☐ an individual sewage disposal system at
Pole #2016 Copanicht Road Narragansett, R.I. Plat..... Lot.....

Location: Pole No., Street, City or Town
Owner: Anthony Santilli Address 6/6 315 Cowanett Ave. N.W. R.I.
Pole No., Street, City or Town

Telephone 821-8672

Was subdivision reviewed by the State? Yes ☐ No ☐ Name of subdivision & section.....

Size of Lot 10,464 Sq. ft. Type of water supply public

Use of building Residential No. of persons 10 No. of bedrooms 3

Design flow 50 gallons per (unit) bedroom Total daily flow: 750 gals.

Required septic tank capacity 1250 gallons.

A plan of the proposed disposal system must be submitted with this application showing the information required by the regulation R23-1-SD2.2.

AGREEMENT: The undersigned agrees to construct the proposed individual sewage disposal system in accordance with the provisions of R23-1-SD as adopted with the authority of Chapter 23-1 of the General Laws 1956, as amended. The undersigned further agrees not to cover the system until authorized by the director.

SIGNATURE: Anthony Santilli Date 8/8/72

Check whether: Owner ☐ Builder ☐ Agent ☐

SOIL EXPLORATION DATA

Description of soil Heavy silt Depth to ground water 1.2' Date 6/22/72

Depth of water table during wet season not above ft. How determined? installation of underdrain see attached sht

Depth to impervious formations (ledge, etc.) 43.2 ft. Depth of test hole 81-6"

Seepage area elevation will be: ☐ Natural ☒ Filled. ☐ Cut. 1 ft. 6 inches to grade.

Percolation Test Results: Performed by Date 6/22/72

Test hole (min./in. fall) 1 16.11 2 3 Perc Rate 20 min/inch

Application Rate 315 sq.ft. bedroom

Depth of perc/test hole 1 12" 2 3 Minimum total leaching area: 275 sq.ft.

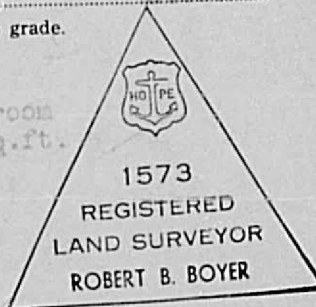
Robert B. Boyer Title Eng. land surveyor

I, Robert B. Boyer, do hereby certify that the

subsoil explorations were made and reported in accordance with the provisions of R23-1-SD.

Certificate of Witness: Name Title

Engineer's or Surveyor's Seal



TYPE OF SEEPAGE SYSTEM TO BE INSTALLED

Trench ☐ Bed ☐ No. of lines 6 Width 31' Length 56' Total sq. ft. 1671 sq. ft.

Seepage pit ☐ Cesspool ☐ Diameter or dimensions Depth below inlet

☐ APPROVED. By

Permission is hereby granted to

to construct ☐ alter ☐ or repair ☐ an individual sewage disposal system at

as indicated on the attached plan.

☐ DISAPPROVED. By for the following reason(s):

Date Authority Field Office, City or Town

INSTRUCTIONS

Complete form in triplicate. WHITE, Applicant's Copy. PINK, Office copy. YELLOW, Building Inspector's Copy.

DUPLICATE COPY

SUBSOIL EXPLORATION DATA

Address Conacicut Road Narragansett, R.I. Property of Anthony Santilli

Percolation Test Data

Hole # 1 Date 6/22/72

Type soil
bottom 6" silt

Depth 12"

Hole # 2 Date _____

Type soil
bottom 6" _____

Depth _____

Water added	T ₁	T ₂	*T	M ₁	M ₂	*M	Water added	T ₁	T ₂	*T	M ₁	M ₂	*M
1	9:00	9:30	30	6"	9 3/4"	3 3/4"							
2	9:31	10:01	30	6"	9"	3"							
3	10:02	10:32	30	6"	9"	3"							
4	10:33	11:03	30	6"	8 1/2"	2 1/2"							
5	11:04	11:34	30	6"	8 1/2"	2 1/2"							
6	11:35	12:05	30	6"	7 7/8"	1 7/8"							

Perc. rate = $\frac{30 \text{ minutes}}{1.86 \text{ inch}} = 16.13$ Minutes per inch

Perc. rate = $\frac{\text{minutes}}{\text{inch}} =$ _____ Minutes per inch

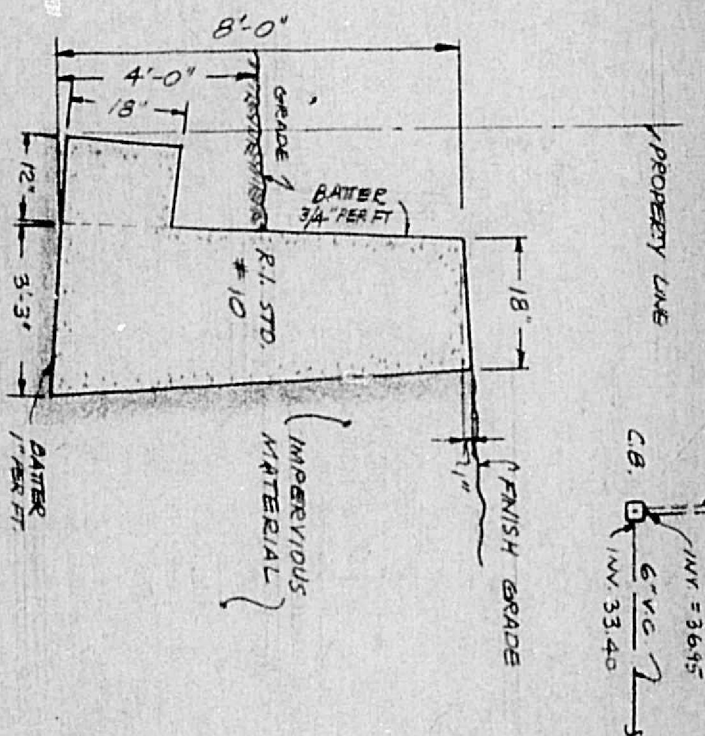
Person making test _____

Witness _____

Ground Water Table Determination

TEST HOLE	DATE OF TEST	Depth From Surface of ground to		TYPE OF SOIL PENETRATED AND DEPTH OF EACH TYPE (SEE REAL ESTATE SUBDIVISION SEWAGE DISPOSAL BOOKLET FOR DESCRIPTION OF TYPES OF SOIL)
		WATER LEVEL	BOTTOM OF DRY HOLE	
A	6/22/72	el 47.3 1.2'	-----	granular material. 6" loam, 8' silt packed tight with some
B				
C				

REMARKS: See plan for additional water readings.



BEN. A.P. #N-H LOT # 263

DATE	July 1972	APPROVED BY:	
SCALE	1" = 20'	DRAWN BY	K.S.
		REVISED	Aug., 1972

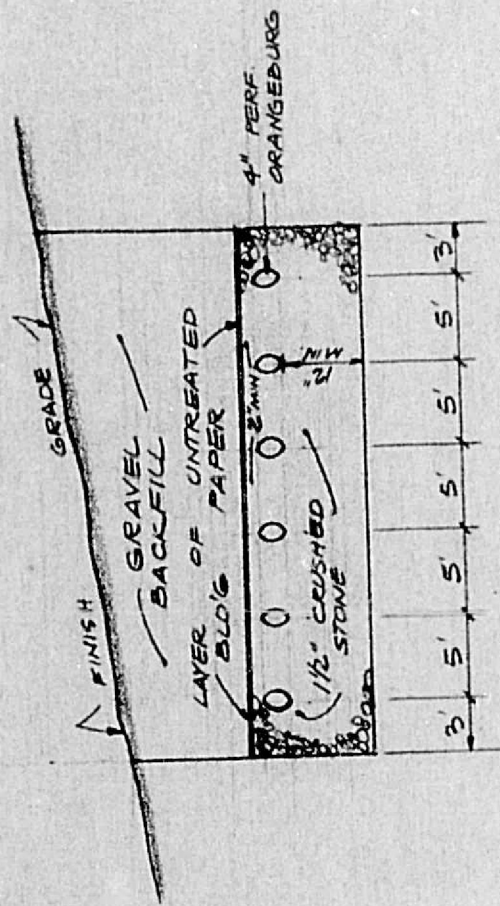
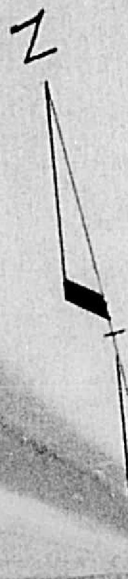
LOCATION

NARRAGANSETT, R.I.

BY ROBERT B. BOYER & ASSOC.

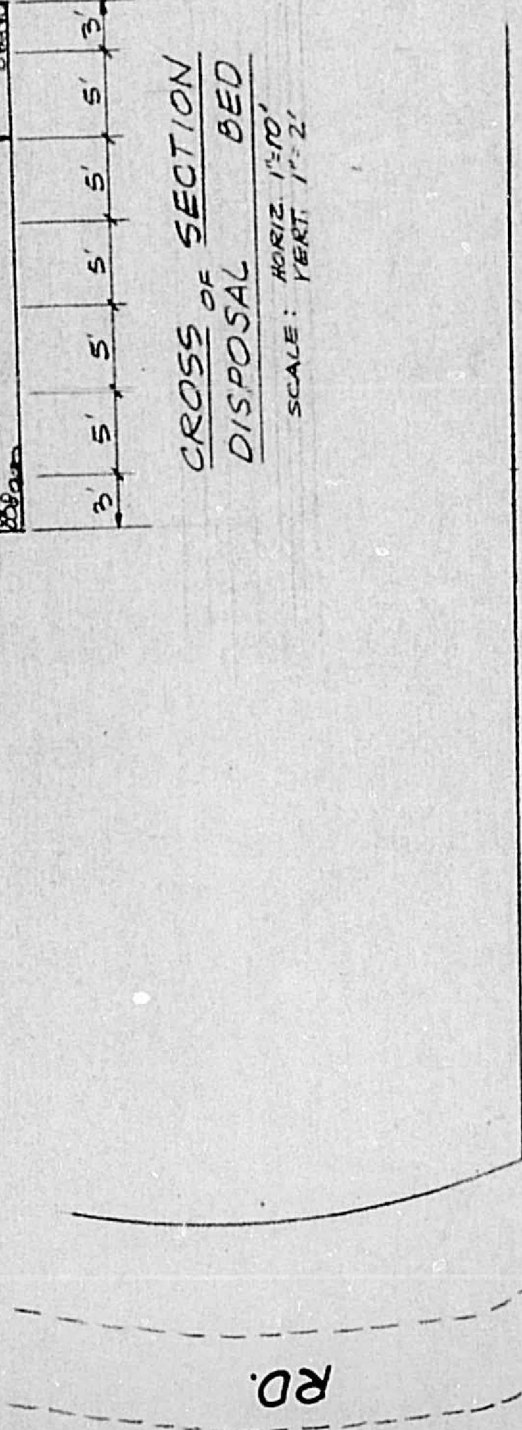


1573
REGISTERED
LAND SURVEYOR
ROBERT B. BOYER



CROSS OF SECTION
DISPOSAL BED

SCALE: HORIZ. 1"=10'
VERT. 1"=2'



ARNOLD AVE.

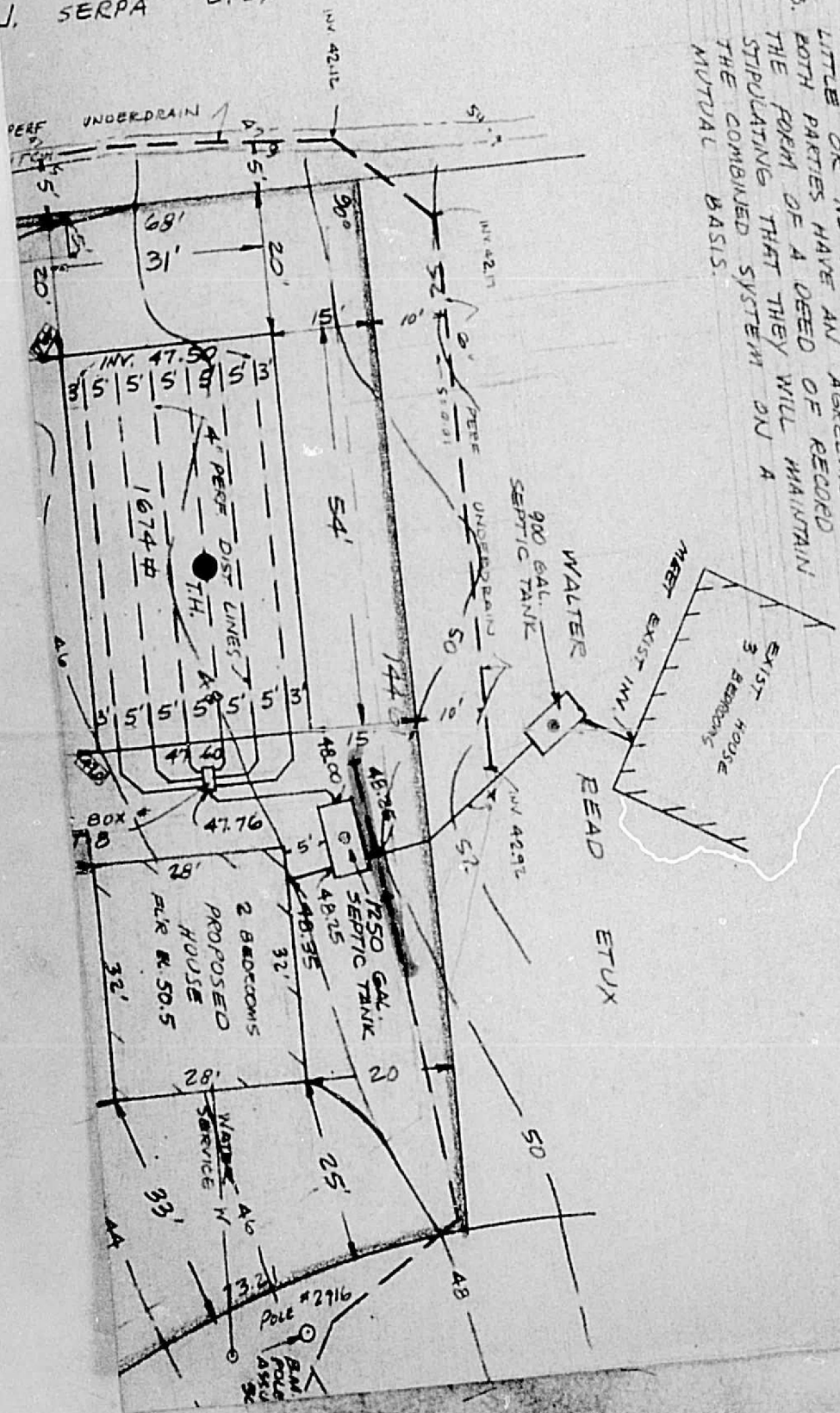
CUT

MAIL N
29' x
MED B
200'

34.66' INV. 39.45'

J. SERPA ETUX

- NOTE:
 1. THE REASON FOR 2 SEPTIC TANKS
 IS THAT EACH OWNER CAN INDEPENDENTLY
 CLEANING OF HIS TANK
 OF THE OTHER.
 2. LEACHING AREA EXTENDED BY 10' ON ALL
 SIDES TO BE STRIPPED OF ALL TREES, BRUSH,
 TOPSOIL, & SOIL CONTAINING FINES & REPLACED
 WITH A COARSE GRAINED SOIL CONTAINING
 LITTLE OR NO FINES. AGREEMENT IN
 3. BOTH PARTIES HAVE AN OF RECORD
 THE FORM OF A DEED OF RECORD
 STIPULATING THAT THEY WILL MAINTAIN
 THE COMBINED SYSTEM ON A
 MUTUAL BASIS.



To: S. Goldberg
Sorry it took
me so long to
get these to you

Stan Blackman

RHODE ISLAND DEPARTMENT OF HEALTH

NOTE.—DO NOT USE THIS ROUTE SLIP TO
SHOW FORMAL CLEARANCES OR APPROV.
ALS

DATE

11 Sept 72

TO:

Mr. Lino, Chief
Div of Food Prot. & Sanit

FROM:

See Goldberg

- | | | |
|---|---|---|
| <input type="checkbox"/> Approval | <input type="checkbox"/> Review | <input type="checkbox"/> Per Conversation |
| <input type="checkbox"/> Signature | <input type="checkbox"/> Note and see me | <input type="checkbox"/> As requested |
| <input type="checkbox"/> Comment | <input checked="" type="checkbox"/> Note and return | <input type="checkbox"/> Necessary action |
| <input type="checkbox"/> For your information | | |
| <input type="checkbox"/> Prepare reply for signature of _____ | | |

REMARKS:

Additional info in the
case of the sewage
permit appl. 220-158
of: Mr. Anthony Santilli

ROUTE SLIP

To: S. GOLDBERG

RAYMOND W. SCHWAB ASSOCIATES
CIVIL ENGINEERS
102 COLUMBIA STREET
PEACE DALE, RHODE ISLAND 02883

PEACE DALE, RHODE ISLAND
AUGUST 24, 1972

MR. KEVIN HOAG
CONANICUT ROAD
NARRAGANSETT, RHODE ISLAND 02882

DEAR MR. HOAG:

AT YOUR REQUEST AND WITH THE INVITATION OF THE RHODE ISLAND DEPARTMENT OF HEALTH, WE HAVE EXAMINED THE TECHNICAL ASPECTS OF THE SEWAGE DISPOSAL SYSTEM DESIGNED FOR THE READ-SANTILLI PROPERTY, AS DESCRIBED BY THE RHODE ISLAND DEPARTMENT OF HEALTH APPLICATION NUMBER 220 - 156.

TWO OF THE TECHNICAL QUESTIONS RAISED AS A RESULT OF THE MEETING ON MONDAY, INVOLVE THE RESPONSIBILITY OF THE DEPARTMENT OF HEALTH TO INSURE THAT STATE REGULATIONS ARE MET.

1. - THE WATER TABLE ON THE PROPERTY IN QUESTION MUST BE DETERMINED IN THE SPRING OF THE YEAR. BOTH MR. GOLBERG AND MR. MURGO STATED THAT THIS REQUIREMENT WOULD BE MET BEFORE FINAL APPROVAL CAN BE GIVEN.

2. - THE OPEN TRENCH RUNNING EAST-WEST ON THE ABUTTING PROPERTY (LOT 261) PERHAPS CAN BE CLASSIFIED AS A SEASONAL BROOK, WHICH WOULD CHANGE THE MINIMUM DISTANCE REQUIREMENT TO 50 FEET RATHER THAN THE 25 FOOT MINIMUM DESIGNATED ON THE PLAN (FOR A SUBSURFACE DRAIN). INSPECTION OF THE SITE WOULD HAVE TO BE MADE BY MR. MURGO, PREFERABLY IN THE RAINY SEASON, BEFORE A DECISION CAN BE MADE ON THIS POINT.

THE OBJECTIVE OF THE DESIGN SUBMITTED BY MR. BOYER, IS TO INSURE PROPER DISPOSAL OF THE SEWAGE FROM LOTS 262 AND 263 WITHOUT AN ADVERSE AFFECT ON YOUR PROPERTY. IN THIS REGARD, TWO ADDITIONAL QUESTIONS HAVE BEEN RAISED.

1. - SEPARATE SEWAGE DISPOSAL ON EACH LOT BY MR. READ AND MR. SANTILLI IS A TECHNICAL POINT UPON WHICH WE CANNOT COMMENT AT THIS TIME. INFORMATION CONCERNING THE WATER TABLE, PERCOLATION RATE AND TOPOGRAPHY IS NOT AVAILABLE TO US, WHICH PRECLUDES AN ENGINEERING DESIGN EVALUATION OF DISPOSAL ON MR. READ'S PROPERTY. MR. MURGO HAS STATED THAT WITH THE INFORMATION AVAILABLE TO HIM, HE COULD NOT APPROVE A STEP-LEVEL SYSTEM ON MR. READ'S PROPERTY. IT IS OUR OPINION, THAT FURTHER CONSIDERATION OF THIS APPROACH IS NOT WITHIN OUR JURISDICTION AND SHOULD BE ABANDONED.

RECEIVED

SEP 11 1972

DIV. FOOD PROTECTION & SANITATION
R. I. DEPT. OF HEALTH
CENTRAL OFFICE

Inc.

TWO

2. - THE SPECIFIC DESIGN OF THE DISPOSAL BED PREPARED BY MR. BOYER IS CORRECT FOR THE CONDITIONS NOTED, PROVIDED THE INSTALLATION IS CARRIED OUT IN CONFORMANCE WITH ESTABLISHED REQUIREMENTS AND PROCEDURES FOR USING FILLED LAND. WE HAVE ASKED MR. MURGO TO REVIEW THIS ASPECT OF THE DESIGN AND SPECIFICATIONS.

SINCERELY YOURS,

STEPHEN S. BLECHARCZYK, PH.D.
ENVIRONMENTAL ENGINEER

SSB/BAK

AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that SANLAND CORPORATION, a Rhode Island corporation, by its duly authorized officer, Anthony L. Santilli, as Treasurer, and Walter J. Read and wife Eleanor Mary Read of Narragansett, Rhode Island, who are abutting property owners in Bonnet Shores area, Narragansett, Rhode Island (Plat NH Lot 263 and Plat NH Lot 262), for valuable consideration paid and received, the receipt of which is acknowledged by the parties hereto covenant and agree as follows:

1. That the parties hereto will install a mutual septic system that is a leeching field to be used by both parties servicing their respective properties.
2. That both parties agree that they will maintain, repair, and have a workable system and will be jointly and severally responsible for the function, maintenance and repair of the system on a mutual basis.
3. That this agreement has been reached mutually and amicably by the parties for the betterment of both properties and the State of Rhode Island.
4. That this agreement shall be binding upon the heirs, administrators, successors and assigns of the parties hereto and shall constitute a covenant running with the land of the respective parties hereto.

IN WITNESS WHEREOF the parties have hereunto caused these presents to be executed this 24th day of July, . A. D., 1972.

SANLAND CORPORATION

Anthony L. Santilli
ANTHONY L. SANTILLI, TREASURER

Walter J. Read
WALTER J. READ

Eleanor M. Read
ELEANOR MARY READ

STATE OF RHODE ISLAND

COUNTY OF *Providence*

In *Providence*, Rhode Island, on the *24th* day of *July*,
A. D., 1972 before me personally appeared Anthony L. Santilli,
Treasurer of Sanland Corporation, to me known and known by me to
be the party executing the foregoing instrument, and he acknowledged
said instrument, by him executed, to be his free act and deed
and the free act and deed of Sanland Corporation.

Laurie J. Lundy
Notary Public

STATE OF RHODE ISLAND

COUNTY OF *South*

In *Warren, Rhode Island*, on the *23rd* day of *July*,
A. D., 1972, before me personally appeared Walter J. Read and wife
Eleanor Mary Read, to me known and known by me to be the parties
executing the foregoing instrument, and they acknowledged said
instrument, by them executed to be their free act and deed.

Anthony L. Santilli
Notary Public

AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that SANLAND CORPORATION, a Rhode Island corporation, by its duly authorized officer, Anthony L. Santilli, as Treasurer, and Walter J. Read and wife Eleanor Mary Read of Narragansett, Rhode Island, who are abutting property owners in Bonnet Shores area, Narragansett, Rhode Island (Plat NH Lot 263 and Plat NH Lot 262), for valuable consideration paid and received, the receipt of which is acknowledged by the parties hereto covenant and agree as follows:

1. That the parties hereto will install a mutual septic system that is a leeching field to be used by both parties servicing their respective properties.
2. That both parties agree that they will maintain, repair, and have a workable system and will be jointly and severally responsible for the function, maintenance and repair of the system on a mutual basis.
3. That this agreement has been reached mutually and amicably by the parties for the betterment of both properties and the State of Rhode Island.
4. That this agreement shall be binding upon the heirs, administrators, successors and assigns of the parties hereto and shall constitute a covenant running with the land of the respective parties hereto.

IN WITNESS WHEREOF the parties have hereunto caused these presents to be executed this 24th day of July, A. D., 1972.

SANLAND CORPORATION

Anthony L. Santilli
ANTHONY L. SANTILLI, TREASURER

Walter J. Read
WALTER J. READ

Eleanor M. Read
ELEANOR MARY READ

STATE OF RHODE ISLAND

COUNTY OF *Providence*

In *Providence*, Rhode Island, on the *24th* day of *July*,
A. D., 1972 before me personally appeared Anthony L. Santilli,
Treasurer of Sanland Corporation, to me known and known by me to
be the party executing the foregoing instrument, and he acknowledged
said instrument, by him executed, to be his free act and deed
and the free act and deed of Sanland Corporation.

Laurie J. Smith
Notary Public

STATE OF RHODE ISLAND

COUNTY OF *South.*

In *WARRACONSETT*, Rhode Island, on the *23rd* day of *July*,
A. D., 1972, before me personally appeared Walter J. Read and wife
Eleanor Mary Read, to me known and known by me to be the parties
executing the foregoing instrument, and they acknowledged said
instrument, by them executed to be their free act and deed.

Anthony L. Smith
Notary Public

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION 12.1620

S-43

TO: Sol Goldberg, Supervisor

28 August

19 72

DEPT: Southern Field Office

FROM: Stephen Murgu, Sanitary Engineer SM

DEPT: Food Protection & Sanitation

SUBJECT: A. Santilli, Pole #2916 Conanicut Road, Narragansett, Rhode Island
#220-158

At your request I personally reviewed the plans in question and made my suggestions. Although I thought my judgements were final, it was found necessary to pursue the matter further. On Friday, August 25, 1972 I met with Carlton Maine of Water Pollution Control to determine his opinion on this issue. Mr. Maine's opinion and my opinion are the same for the following reasons:

- 1). SD13.6, 12.5. The percolation test in question was run for only 3 hours instead of the required 4 hours. As the description of tightly packed silt with some granular material is in conflict with a 16 minimum rate, I feel any further percolation tests should be witnessed by your office.
- 2). SD14.2. No judgement at this time can be made to the whereabouts of the maximum ground water table.
- 3). SD2.15. The distribution from any subsurface drain or edge of any bank sloping to a level lower than the system shall be 25 feet. The east property line shows violations of both parts of this regulation.
- 4). SD8.5. A sewage seepage system shall not be constructed in filled land if the subsoil is of poor permeability. A soil with a rate over 10 minutes per inch is assumed to be of poor permeability.

SM/pi

cc: F. Siino
R. Perriello

RECEIVED

AUG 30 1972

DIVISION OF FOOD
PROTECTION AND SANITATION
SOUTHERN FIELD OFFICE

Tel. (401) 821-8872

Lic. No. 1573

ROBERT B. BOYER & ASSOCIATES

LAND SURVEYING - PLATTING - SUB-DIVIDING
ARCHITECTURAL - INDUSTRIAL SURVEYS
AERIAL PHOTOGRAPHY
SOIL PERCOLATION TESTS
315 COWSETT AVENUE
WEST WARWICK, RHODE ISLAND 02893

RECEIVED

JUL 21 1972

DIVISION OF FOOD
PROTECTION AND SANITATION
SOUTHERN FIELD OFFICE

July 21, 1972

Mr. Sol Goldberg, Supv.
R.I. Department of Health
2843 South Country Trail
East Greenwich, Rhode Island

Dear Mr. Goldberg:

Sanland Corp. purchased a parcel of land on Conanicut Road in the Town of Narragansett, Rhode Island from Mr. Walter Read. In order to obtain a permit for new construction, it was necessary to install a perimeter subdrain on Sanland property. During installation of this subdrain the septic tank of the Read residence was ruptured and completely destroyed. This created a very serious health hazard due to effluents being discharged over surface areas.

I have conducted a complete topographical survey of the area and am presently designing a sanitary sewage disposal system for both residences which will be acceptable by The Department of Health. The only possible way we could eliminate the effluent discharge was to install a septic tank on the property of Sanland. I have made it very clear to both parties that this tank is acting as a holding tank and must be emptied periodically in order to eliminate any overflowing whatsoever. I have also made it clear that the present location of the septic tank may not be acceptable by the Board of Health, in fact, it may be necessary to remove said tank. I am presently installing an additional subdrain to lower water table conditions for design purposes.

Before any construction took place, there was runoff evident in the area. Since the installation of the subdrain the locus area is noticeably free of surface runoff.

We have also installed a catch basin on Conanicut Road and additional drainage lines. Obviously we do not have ideal conditions, however, with proper engineering, I feel that we can install sanitary systems for the Read residence and for the Sanland residence and certainly improve the immediate and surrounding areas. I am well aware of other systems installed throughout the area and the complexities involved. A stand pipe

July 21, 1972

for the observation of water table readings has been installed.

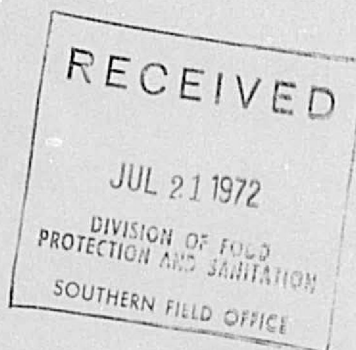
I can assure you that I will expedite this emergency repair and insure the emptying of the installed temporary septic tank. Plans and specifications will be forwarded to you upon completion of our design. Please contact me if you have any questions.

Very truly yours,

Robert B. Boyer

Robert B. Boyer

RBB:jcc



Tel. (401) 821-8872

Lic. No. 1573

789-8879

ROBERT B. BOYER & ASSOCIATES

LAND SURVEYING - PLATTING - SUB-DIVIDING
ARCHITECTURAL - INDUSTRIAL SURVEYS
AERIAL PHOTOGRAPHY
SOIL PERCOLATION TESTS
315 COWESETT AVENUE
WEST WARWICK, RHODE ISLAND 02893

RECEIVED

JUL 25 1972

DIVISION OF FOOD
PROTECTION AND SANITATION
SOUTHERN FIELD OFFICE

July 24, 1972

Mr. Sol Goldberg
2843 South County Trail
East Greenwich, Rhode Island

Dear Mr. Goldberg:

With regard to the Sanland-Read sanitary sewage disposal system in the Town of Narragansett, Rhode Island, please be advised as follows:

As of Saturday July 22, 1972, I have completed installation of the septic tank and subdrains on the locus proper as an emergency repair. During the next few days I will take water table readings in the standpipe which we also installed to verify the lowering of the water table. I will keep you informed as to my findings. Thank you for your cooperation.

Very truly yours,

Robert B. Boyer

Robert B. Boyer

RBB:jcc

ROBERT B. BOYER & ASSOCIATES

LAND SURVEYING - PLATTING - SUB-DIVIDING
ARCHITECTURAL - INDUSTRIAL SURVEYS
AERIAL PHOTOGRAPHY
SOIL PERCOLATION TESTS
315 COWSETT AVENUE
WEST WARWICK, RHODE ISLAND 02893

RECEIVED

AUG 8 1972

DIVISION OF FOOD
PROTECTION AND SANITATION
SOUTHERN FIELD OFFICE

August 8, 1972

Mr. Sol Goldberg, Supervisor
2843 South County Trail
East Greenwich, Rhode Island

Dear Mr. Goldberg:

Enclosed please find the proposed design for a sanitary sewage disposal system for the residences of Mr. Walter Read and Sanland Corp. as shown on said plan.

My previous two communications to you dated July 21 and July 24 explain the problems involved as such. Our design does show two separate septic tanks; one on the Read property and one on the Sanland property. The reason being that each would maintain the cleaning of his own tank whenever necessary. This would eliminate any problems that could arise between individuals. Also a legal document stating that the leaching field will be a mutual field and be maintained as such. This document binds both parties to maintenance, repair, and general use. We have conducted daily inspections of our standpipe to substantiate the lowering of the water table after we installed underdrains as shown on said plan. At the lower left hand corner of the plan is a graft showing elevations taken in said standpipe of the water table level.

Our design is based on maintaining a water table of 43.2 feet. The 6" perforated underdrains which have been installed are more than sufficient to maintain this water table level. These underdrains were installed in my presence and were constructed properly. A concrete retaining wall will be constructed on the easterly side of the property in order to maintain adequate grade of the area.

An impervious material could be placed within five feet of this wall as shown. The septic tank on Sanland Corp. as stated in the July 24 letter is installed and operating as a holding tank at this time. We have undoubtedly lowered the water table 4.1 foot. In doing so, we have dried out

August 8, 1972
Page 2 of 2

the locus in question. The area of Conanicut Road which did have surface water and a wet condition has dried completely. Surface water did run along the road surface continuously prior to any construction.

The Hoag property as shown on said plan is approval No. 120-67. Our underdrain has certainly improved conditions for Hoags system.

I am sure that we have exhausted all avenues in order to arrive at a system which will function efficiently and in a normal manner. I realize this creates a unique sanitary system in the leaching area for servicing two homes, however, we are servicing five bedrooms and the bed area is sufficient.

If you should have any questions, please call.

Thank you for your cooperation.

Very truly yours,

Robert B. Boyer

Robert B. Boyer

RBB:jcc

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION

S-43

16 August 1972

TO: Mr. Sol Goldberg
Supervisor
DEPT: Health - Food Protection and Sanitation
FROM: Mr. Frederick A. Siino
Chief
DEPT: Health - Food Protection and Sanitation
SUBJECT: Individual Sewage Disposal
System Application No. 220-158



I have discussed the legal implications in the situation presented by the above-noted application with Miss McCabe.

She has stated that in her opinion all the legal requirements necessary have been fulfilled in providing the necessary protection to the two properties in question. I would certainly check once again with both parties to see if each clearly understands (and anyone else who should acquire the property in the future) that they are responsible for both upkeep and maintenance of the disposal system regardless of who may be at fault.

As far as we can see then, the application may be approved if all the system data is noted.

A handwritten signature in cursive script, appearing to read "F. A. Siino".

Frederick A. Siino, Chief
Division of Food Protection
and Sanitation

FAS/bad

Enclosures



ROBERT B. BOYER & ASSOCIATES

LAND SURVEYING - PLATTING - SUB-DIVIDING
ARCHITECTURAL - INDUSTRIAL SURVEYS
AERIAL PHOTOGRAPHY
SOIL PERCOLATION TESTS
315 COWESETT AVENUE
WEST WARWICK, RHODE ISLAND 02893

August 21, 1972

State of Rhode Island Department of
Health
Southern Field Office
2843 South County Trail
East Greenwich, Rhode Island

To Whom it May Concern:

In a recent application submitted to the Department of Health by Anthony L. Santilli, Treasurer of Sanland Corp., for a percolation test located in the Town of Narragansett on Assessor's Plat NH Lot No. 263, we hereby request that the application for a percolation test be granted subject to the provisions stated in the most recent application submitted by Sanland Corp. The Department of Health is well-aware of the facts surrounding the situation--namely, the abutting property owners Walter J. Reed and Eleanor M. Reed located on Assessor's Plat NH Lot No. 262 owned and sold property to Anthony L. Santilli.

In recent excavation of the property owned by Sanland Corp., it was discovered that the septic tank of Walter Reed was located on said property along with his leaching fields. During excavation of the site, preparing drainage work in order to secure a percolation test, Mr. Reed's septic tank was destroyed and his leaching fields were removed. This situation having become more complicated as excavation continued has created a hardship namely on Mr. Reed due to the fact he has an existing house which is occupied by he and his family with no access to a septic tank or leaching fields. Mr. Santilli who owns the abutting property has no structure constructed on said property, however, in order to alleviate the hardship on Mr. Reed, Mr. Santilli and Reed have jointly consented on a septic system to be located on Mr. Santilli's property. The hardship has come to bear on the fact that Reed has no system and yet is occupying the premises and Mr. Santilli who is now desirous of securing a percolation test has expended numerous monies in construction and drainage of the premises. The system desired by Santilli and the expenses incurred are certainly a hardship created on Mr. Santilli and Mr. Reed. Now, therefore, the system being adequate and having met the proper standards of the Department of Health would be greatly beneficial to

Page -2-
August 21, 1972

both parties and relieve an undue hardship on Mr. Reed who presently has no septic system and is using the privy. We therefore request that the Department of Health review our application and take the proper steps necessary to grant said application in order to alleviate the undue hardship which has come to bear on both parties.

Very truly yours,

Robert B. Boyer
Robert B. Boyer

RBB:jcc

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION

12.1620

S-43

28 August

19 72

TO: Sol Goldberg, Supervisor

DEPT: Southern Field Office

FROM: Stephen Murgo, Sanitary Engineer

DEPT: Food Protection & Sanitation

SUBJECT: A. Santilli, Pole #2916 Conanicut Road, Narragansett, Rhode Island
#220-158

At your request I personally reviewed the plans in question and made my suggestions. Although I thought my judgements were final, it was found necessary to pursue the matter further. On Friday, August 25, 1972 I met with Carlton Maine of Water Pollution Control to determine his opinion on this issue! Mr. Maine's opinion and my opinion are the same for the following reasons:

- 1). SD13.6, 12.5. The percolation test in question was run for only 3 hours instead of the required 4 hours. As the description of tightly packed silt with some granular material is in conflict with a 16 minimum rate, I feel any further percolation tests should be witnessed by your office.
- 2). SD14.2. No judgement at this time can be made to the whereabouts of the maximum ground water table.
- 3). SD2.15. The distribution from any subsurface drain or edge of any bank sloping to a level lower than the system shall be 25 feet. The east property line shows violations of both parts of this regulation.
- 4). SD8.5. A sewage seepage system shall not be constructed in filled land if the subsoil is of poor permeability. A soil with a rate over 10 minutes per inch is assumed to be of poor permeability.

SM/pi

cc: F. Siino
R. Perriello





JOSEPH E. CANNON, M. D., M.P.H.
DIRECTOR

Division of Food Protection and Sanitation
Southern Field Office
2843 South County Trail
East Greenwich, R. I. 02818

Date: 1 September 1972

To: Robert B. Boyer & Associates
315 Cowesett Avenue
West Warwick, R. I. 02893

Re: Owner: Mr. Anthony Santilli
Location: Pole 2916, Plat N-H,
Lot 263, Conanicut Rd.
Narragansett, R. I.

Dear Sir/~~Madam~~:

The following action has been taken by this office on the enclosed applications and plans for an individual sewage disposal system at the above location:

- A. Not acceptable at this time: B. Application disapproved:
- () Re-submit when corrected with the requested, additional, essential information required for review
- (x) Does not meet State requirements.
- (x) Other: Confirmation of our discussion and your review of below listed comments on 31 August 1972.

NOTE: Refer to comments and/or applicable section of the Rhode Island Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction, and Maintenance of Individual Sewage Disposal Systems, R23-1-SD. Comments listed below are per Stephen Murgio, Sanitary Engineer of this Division.

Section(s) and/or comment(s) that apply(ies):

- 1) SD13.6, 12.5 The percolation test in question was run for only 3 hours instead of the required 4 hours. As the description of tightly packed silt with some granular material is in conflict with a 16 minimum rate, I feel any further percolation tests should be witnessed.
- 2) SD14.2 No judgement at this time can be made to the whereabouts of the maximum ground water table.
- 3) SD2.15 The distribution from any subsurface drain or edge of any bank sloping to a level lower than the system shall be 25 feet. The east property line shows violations of both parts of this regulation.

(SEE REVERSE SIDE)

If you have any further questions, please contact the undersigned at the above address, telephone number 884-7800

cc: Mr. Anthony Santilli

Encl: Applications & Plans

Sol Goldberg, Supervisor

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION 12.1620

S-43

28 August

19 72

TO: Sol Goldberg, Supervisor

DEPT: Southern Field Office

FROM: Stephen Murgo, Sanitary Engineer *SM*

DEPT: Food Protection & Sanitation

SUBJECT: A. Santilli, Pole #2916 Conanicut Road, Narragansett, Rhode Island
#220-158

At your request I personally reviewed the plans in question and made my suggestions. Although I thought my judgements were final, it was found necessary to pursue the matter further. On Friday, August 25, 1972 I met with Carlton Maine of Water Pollution Control to determine his opinion on this issue! Mr. Maine's opinion and my opinion are the same for the following reasons:

- 1). SD13.6, 12.5. The percolation test in question was run for only 3 hours instead of the required 4 hours. As the description of tightly packed silt with some granular material is in conflict with a 16 minimum rate, I feel any further percolation tests should be witnessed by your office.
- 2). SD14.2. No judgement at this time can be made to the whereabouts of the maximum ground water table.
- 3). SD2.15. The distribution from any subsurface drain or edge of any bank sloping to a level lower than the system shall be 25 feet. The east property line shows violations of both parts of this regulation.
- 4). SD8.5. A sewage seepage system shall not be constructed in filled land if the subsoil is of poor permeability. A soil with a rate over 10 minutes per inch is assumed to be of poor permeability.

SM/pi

cc: F. Siino
R. Perriello



AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that SANLAND CORPORATION, a Rhode Island corporation, by its duly authorized officer, Anthony L. Santilli, as Treasurer, and Walter J. Read and wife Eleanor Mary Read of Narragansett, Rhode Island, who are abutting property owners in Bonnet Shores area, Narragansett, Rhode Island (Plat NH Lot 263 and Plat NH Lot 262), for valuable consideration paid and received, the receipt of which is acknowledged by the parties hereto covenant and agree as follows:

1. That the parties hereto will install a mutual septic system that is a leeching field to be used by both parties servicing their respective properties.
2. That both parties agree that they will maintain, repair, and have a workable system and will be jointly and severally responsible for the function, maintenance and repair of the system on a mutual basis.
3. That this agreement has been reached mutually and amicably by the parties for the betterment of both properties and the State of Rhode Island.
4. That this agreement shall be binding upon the heirs, administrators, successors and assigns of the parties hereto and shall constitute a covenant running with the land of the respective parties hereto.

IN WITNESS WHEREOF the parties have hereunto caused these presents to be executed this 24th day of July, A. D., 1972.

SANLAND CORPORATION

Anthony L. Santilli
ANTHONY L. SANTILLI, TREASURER

Walter J. Read
WALTER J. READ

Eleanor M. Read
ELEANOR MARY READ

STATE OF RHODE ISLAND

COUNTY OF *Providence*

In *Providence*, Rhode Island, on the *24th* day of *July*, A. D., 1972 before me personally appeared Anthony L. Santilli, Treasurer of Sanland Corporation, to me known and known by me to be the party executing the foregoing instrument, and he acknowledged said instrument, by him executed, to be his free act and deed and the free act and deed of Sanland Corporation.

Loraine J. Timby
Notary Public

STATE OF RHODE ISLAND

COUNTY OF *South*

In *Warranconset*, Rhode Island, on the *23rd* day of *July*, A. D., 1972, before me personally appeared Walter J. Read and wife Eleanor Mary Read, to me known and known by me to be the parties executing the foregoing instrument, and they acknowledged said instrument, by them executed to be their free act and deed.

Anthony L. Santilli
Notary Public

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS • DEPARTMENT OF HEALTH

File No. 12.1620
Application No. 220-158



JOSEPH E. CANNON, M. D., M.P.H.
DIRECTOR

Division of Food Protection and Sanitation
Southern Field Office
2843 South County Trail
East Greenwich, R. I. 02818

Date: 1 September 1972

To: Robert B. Boyer & Associates
315 Cowesett Avenue
West Warwick, R. I. 02893

Re: Owner: Mr. Anthony Santilli
Location: Pole 2916, Plat N-H,
Lot 263, Conanicut Rd.
Narragansett, R. I.

Dear Sir/

The following action has been taken by this office on the enclosed applications and plans for an individual sewage disposal system at the above location:

A. Not acceptable at this time:

B. Application disapproved:

() Re-submit when corrected with the requested, additional, essential information required for review

(X) Does not meet State requirements.

(X) Other: Confirmation of our discussion and your review of below listed comments on 31 August 1972.

NOTE: Refer to comments and/or applicable section of the Rhode Island Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction, and Maintenance of Individual Sewage Disposal Systems, R23-1-SD. Comments listed below are per Stephen Margo, Sanitary Engineer of this Division.

Section(s) and/or comment(s) that apply(ies):

- 1) SD13.6, 12.5 The percolation test in question was run for only 3 hours instead of the required 4 hours. As the description of tightly packed silt with some granular material is in conflict with a 16 minimum rate, I feel any further percolation tests should be witnessed.
- 2) SD14.2 No judgement at this time can be made to the whereabouts of the maximum ground water table.
- 3) SD2.15 The distribution from any subsurface drain or edge of any bank sloping to a level lower than the system shall be 25 feet. The east property line shows violations of both parts of this regulation.

(SEE REVERSE SIDE)

If you have any further questions, please contact the undersigned at the above address, telephone number 884-7800
cc: Mr. Anthony Santilli

Encl: Applications & Plans

Sol Goldberg, Supervisor

15 September

72

Mr. Sol Goldberg, Supervisor
Southern Field Office I
Health - Food Protection and Sanitation

Mr. Frederick A. Siino
Chief
Health - Food Protection and Sanitation

Application No. 220158 Dated 8 August 1972
for A. Santilli

The application for a permit may be approved based on the following conclusions and conditions:

(1) A system is essential to serve the Read dwelling which currently does not have a sub-surface drainage field.

(2) All legal conditions have been satisfied in which the Santilli's and Read's and all future owners of these properties are jointly and permanently responsible for the operation and maintenance of the system which will serve both properties.

(3) The design sub-surface leaching system must be shifted 10 feet to the west. This is a variance granted to provide additional protection to the property east of the Santilli lot. This variance is further granted because the general ground water flow is to the east which will give added protection against sewage seepage from the system to the drain.

(4) The first 25 feet of the drain located on the Santilli property on the westerly side flowing north must be cut off and removed to satisfy the requirements for distances from the sub-surface leaching system. This must be witnessed.

(5) Two additional problems have been brought up, and they are answered as follows:

(a) The open ditch to the south of the Santilli property is in the opinion of those who reviewed the plans not a brook within the meaning of the regulations since it was established to provide for controlled flow of the installed ditches and surface drainage. Therefore, the 50-foot distance does not apply.

(b) In the best judgment of those who have reviewed the problem regarding the water table readings, it is their opinion that the necessity for a wet season reading is unnecessary since the water table in the area has been maintained at or near wet season conditions due to the unusual weather of this year; also, since there is now on record evidence regarding water table conditions in the general area which can be used.

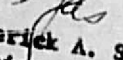
Mr. Sol Goldberg

- 2 -

15 September 1972

However, since the water table conditions observed indicate that the water table may rise to elevation 48 during a heavy rainfall, the point of reference for the location of the leach area is established at that point. The bottom of the leach system should be at elevation 51. The conditions of design as applying to filled land in the memorandum establishing the policy decision dated 14 September 1972 shall be adhered to.

(c) There has been set in place a perforated pipe which has provided readings of the water table before and after the installation of ground water drains and the effectiveness of this drainage system to reduce the water table level following heavy rain periods. Further, the area in question has shown that the soil conditions provided reasonable drainage and, lastly, the elevation of the system in question will meet the requirements of the regulations regarding separation of the system from the maximum water table.


Frederick A. Siino, Chief
Division of Food Protection
and Sanitation

FAS/bad

cc: Mr. Maine
Mr. Margo
Mr. Delea

12.1620

S-43

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION

12 September 1972

TO: Frederick A. Siino, Chief
DEPT: Division of Food Protection & Sanitation
FROM: Stephen M. Murgo, Sanitary Engineer
DEPT: Central Office
SUBJECT: A. Santilli - #220-158

In order for this system to function properly I have the following suggestions:

- (1) Since the Water Table fluctuated from elevation 43.2' to 45.0' & back to 43.4' during the Dry Season, it is evident that the Subsurface Drains cannot contain any strong rain or runoff. The Water Table will continually rise above elevation 43.2'. The easiest way out would be to assume the Water Table to be at the surface and design on elevation 48.0' bringing Minimum Finish Grade to 53.5' instead of Water @ 43.5' and Finish Grade @ 49'. In the best interest of the owner this area should be stripped of present Fill to the Water Table in the Dry Season, backfilled with Bank Run Gravel and Designed at the highest Water Table Elevation (48.0').
- (2) The entire system should be shifted 10' Westerly. This relieves any affect on a Drain lower than a system and places the system 15' away from a Drain that is higher and reduces the chance of Contamination.
- (3) The 1250 Gallon Septic Tank is $1\frac{1}{2}$ Feet \pm from a drain-this Tank should have a Concrete Footing to prevent any movement.

has

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS • DEPARTMENT OF HEALTH
File No. 12-1670
Application No. 220-150



JOSEPH E. CANNON, M. D., M.P.H.
DIRECTOR

Division of Food Protection and Sanitation
Southern Field Office
2843 South County Trail
East Greenwich, R. I. 02818

Date: 21 September 1972

To: Robert B. Foy & Assoc.
315 Conant Ave.
West Warwick, R. I. 02893

Re: Owner: Mr. Anthony Santilli
Location: Plot M-11; Lot 263
Conant Road
Narragansett, Rhode Island
Application No. 220-150

Dear Sir/~~XXXXXX~~

The following action has been taken by this office on the enclosed applications and plans for an individual sewage disposal system at the above location:

A. Not acceptable at this time: B. Application disapproved:

☒ Re-submit when corrected with the requested, additional, essential information required for review

☐ Does not meet State requirements.

☐ Other:

NOTE: Refer to comments and/or applicable section of the Rhode Island Rules and Regulations Establishing Minimum Standards Relating to Location, Design, Construction, and Maintenance of Individual Sewage Disposal Systems, R23-1-SD.

Section(s) and/or comment(s) that apply(ies):
~~Revised is a new letter to the undersigned dated 1/7/73, from Mr. Slino, the Chief of this Division, addressed to the undersigned which is self-explanatory as to the details that must be followed regarding subject application.~~

Please submit with necessary corrections.

If you have any further questions, please contact the undersigned at the above address, telephone number 884-7800
cc: Mr. A. Santilli

Encl:

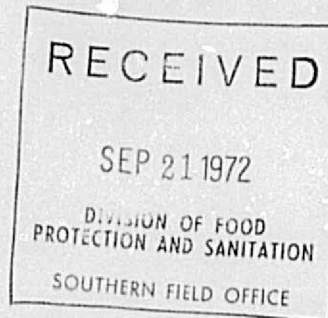
Ed Goldberg, Supervisor SDO I

State of Rhode Island
INTER-DEPARTMENTAL COMMUNICATION

S-43

TO: Mr. Sol Goldberg, Supervisor
Southern Field Office I
DEPT: Health - Food Protection and Sanitation
FROM: Mr. Frederick A. Siino *fas*
Chief
DEPT: Health - Food Protection and Sanitation
SUBJECT: Application No. 220158 Dated 8 August 1972
for A. Santilli

15 September 19 72



The application for a permit may be approved based on the following conclusions and conditions:

- (1) A system is essential to serve the Read dwelling which currently does not have a sub-surface drainage field.
- (2) All legal conditions have been satisfied in which the Santilli's and Read's and all future owners of these properties are jointly and permanently responsible for the operation and maintenance of the system which will serve both properties.
- (3) The design sub-surface leaching system must be shifted 10 feet to the west. This is a variance granted to provide additional protection to the property east of the Santilli lot. This variance is further granted because the general ground water flow is to the east which will give added protection against sewage seepage from the system to the drain.
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Encl:

Sol Goldberg, Supervisor SFO I

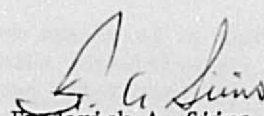
Mr. Sol Goldberg

- 2 -

15 September 1972

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Frederick A. Sino, Chief
Division of Food Protection
and Sanitation

FAS/bad

cc: Mr. Maine
Mr. Murgo
Mr. Dolce

Encl:

~~Mr. Goldberg, Supervisor RPO I~~

TARGET

END
OF
FILE