

Hopewell Township Health Department

201 Washington Crossing Pennington Road

Titusville, New Jersey 08560

Tel. (609) 737-0120 Fax (609) 737-6836

PERMIT

Applicant: Patricia Potter

Block: 43.17

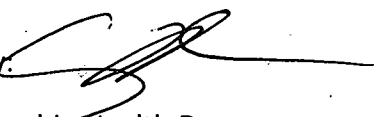
Lot: 6.00

To: INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM REPAIR

Location: 6 Western Pine Street

Fee: \$100.00

24 Hour Inspection Notification Required

Authorized By: 

This permit is NOT transferrable

Hopewell Township Health Department

Note

5/3/16 NSSMG

Added new outlet baffle w/ Effluent filter
Small riser & Lid over new effluent filter

(PF)

Hopewell Township Health Department

201 Washington Crossing Pennington Road

Titusville, NJ 08560

Phone: (609) 737-0120 Fax: (609) 737-6836

Permit Number 2015-136

Date Issued _____

Fee Received \$100.-

Septic System Repair & Abandonment Application

Property Location 6 WESTERN PINE BLOCK 43.17 LOT 6

Applicant PATT POTTER Address _____

City PENNINGTON State NJ Zip 08534

Phone 609-468-4928 Fax _____

Existing Information, (Check one)

☒ Residential Single Family No. of Bedrooms _____
☐ Residential Multiple Family No. of Dwelling Units _____
Bedrooms per Unit _____

☐ Commercial/Institutional
Type of Establishment _____ Sq Ft of Facility _____
Total # Occupants or Employees per Shift _____ Meter Reading GPD _____
If estimate is based on water meter data, indicate source of data, frequency of readings average.

Existing Septic Tank Size _____ gallons Garbage Disposal y/n _____ Sewage Ejector y/n _____

Existing Disposal System (check one) Bed _____ Trenches _____ Seepage Pit(s) _____ Cesspool _____

Proposed Repair - Check Appropriate Category(s) Provide cut sheets for all new components

- ☐ Septic Tank Installation or Replacement. Compartment(s) _____ Size _____ gallons
All new & existing tanks must be provided with locking manhole to grade. Add 250gal or 2 compartments
- ☐ Connecting Pipes
- ☐ D-Box Replacement, add monitor pipe to existing field
- ☐ Pump Replacement Provide manufacturer _____ Horsepower _____
- ☐ Connect washer or remove illegal discharge pipes
- ☐ Septic Tank /Cesspool Abandonment
- ☐ Replace filter bed material per engineer Monitor Ports are required
- ☐ Dosing Tank Size _____ gallons Dose Volume _____ gallons Reserve Capacity _____ gallons
- ☐ External Grease Trap - Gallons _____ Calculation _____

Other (Specify) D-Box OUT of Level

Describe Nature of Alteration or Repair(s):

SPEED LEVELERS IN D-Box
RISER AND MANHOLE LID ON SEPTIC TANK
AS TO SEPTIC INSPECTION

General Plan of System Showing Locations of All System Components

11-25-15

- New/Reinforced Cover on Tank
- D-Box Reforged and fitted w/ Levelers

(Signature)

I hereby certify that the information furnished on this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

CONTRACTOR TJ BURD EXCAVATING PHONE # 609-397-3603
ADDRESS 333 GOAT HILL RD City LANBERTVILLE
State PA Zip 01530 Fax _____ Cell Phone # _____
Applicant / Contractor's Signature TJ Burd

Office use

Application Approved <u>X</u>	Inspector _____
Application Denied _____	Inspector _____
Authorizing Signature <u>[Signature]</u>	Date <u>11/25/15</u>
Repair Completed <u>11/25/15</u>	Inspector <u>[Signature]</u>
Septic System Abandonment Tanks Crushed and Filled _____	Inspector _____

No 10111

Nov. 8

1981

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

PERMIT

PERMISSION IS HEREBY GRANTED TO

Balestrieri + Pearson

TO

build on rock water supply

AT

Block 43 Q lot 6 Western Pine Street

NATURE OF PROPOSED WORK

drill well - 50 feet of casing Required

FEE

25.00

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

BY

Jerry H. Pearson

No 10110

Nov. 9

1981

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

PERMIT

PERMISSION IS HEREBY GRANTED TO

Balestrieri + Pearson

TO

Construct on-site subsurface sewage disposal system

AT

Block 43 Q lot 6 Western Pine Street

NATURE OF PROPOSED WORK

Septic system

FEE

75.00

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

BY

Jerry H. Pearson

HEALTH DEPT. APPROVAL REQUIRED FOR THE ISSUANCE OF CERTIFICATE OF OCCUPANCY

As built Septic design

10-23-86
(date)

Well Inspection report

10-21-86
(date)

Pump installation report

10-21-86
(date)

Water analysis report - bacterial

7/9/86 wait. 10-23-86 - sat
(date)

- chemical

7-22-86
(date)

The above information complies with all state and local ordinances required by this office.

Block 43Q Lot 6

Owner Balestrieri + Pearson

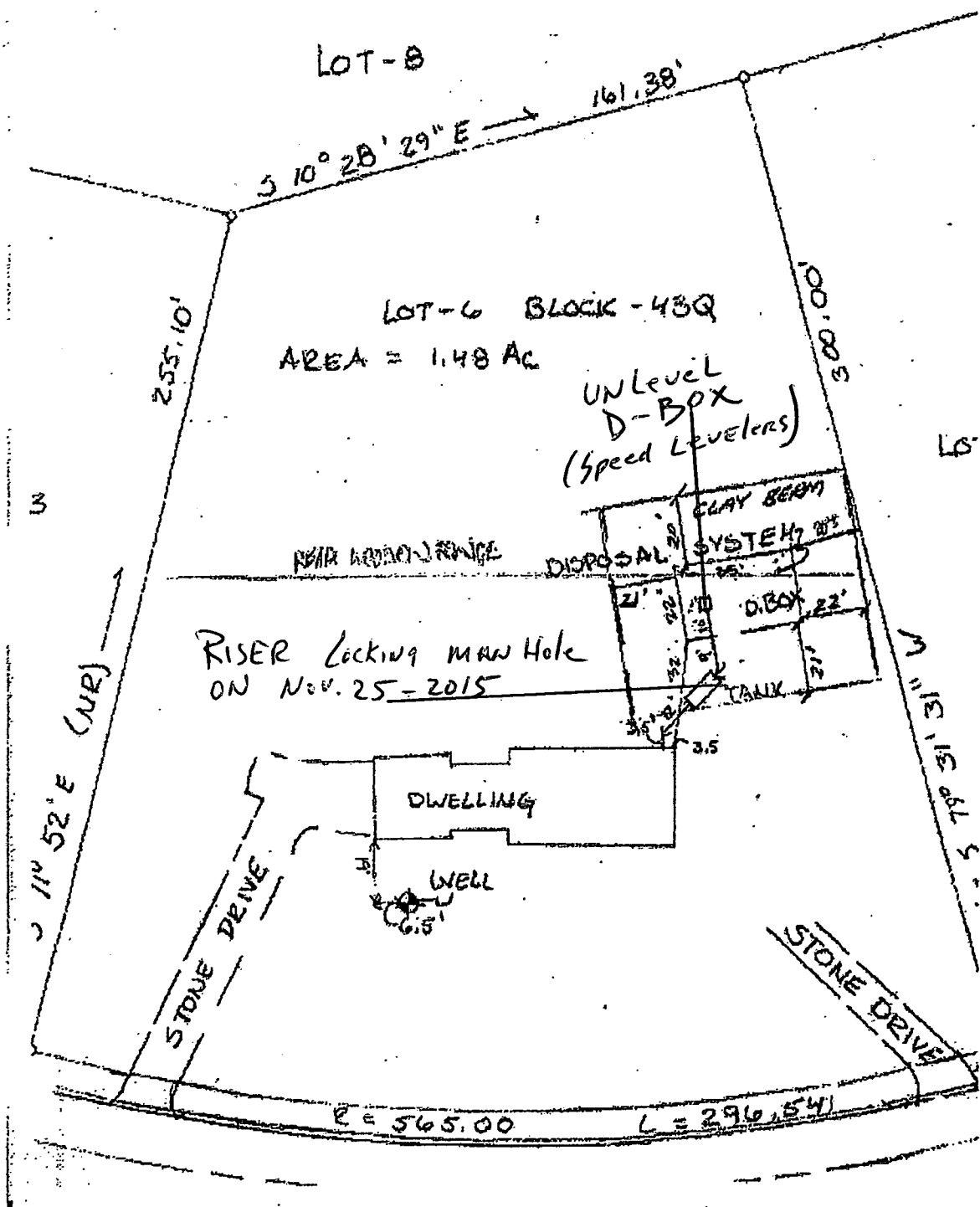
Location Western Pine Street

Jerry A. Pearson

OK CB final

10/23

Septic System Location Sketch (Not To Scale):





TOWNSHIP of HOPEWELL

MERCER COUNTY

DEPARTMENT OF HEALTH

201 Washington Crossing Pennington Road
Titusville, New Jersey 08560-1410

Phone: 609.737.0120 Fax: 609-737-6836 www.hopewelltp.org



Public Health
Prevent. Promote. Protect.

11/25/2015

Patricia Potter
6 Western Pine Street
Pennington NJ 08534

RE: Block: 43.17 Lot: 6.00 - 6 Western Pine Street

To Whom It May Concern,

Enclosed please find your permit to replace the existing Baffles, Lid or Risers and connecting pipe at the above-mentioned property.

All manhole covers must be of cast iron construction and all risers must be of concrete unless otherwise reviewed and approved by this office.

This office recommends the installation of an effluent filter in conjunction with the outlet baffle.

You or your contractor must notify this office at least (24) Twenty-Four Hours in advance of installation to schedule inspections with this office.

This permit is valid only to replace the existing Baffle, Lid, Connecting pipe and Risers. You are not permitted to alter any component of the disposal field without further engineering and approvals from this office.

Very Truly Yours,

George Kiesel

Senior Registered Environmental Health Specialist

NEW JERSEY Septic Management Group

343 Route 601, Belle Mead, NJ 08502
phone: 908-874-4669 fax: 908-874-4697

www.nj-septic.com

*Needs Speed
Levelers
and D-Box (paving)*

SEPTIC SYSTEM INSPECTION REPORT

CLIENT INFO

Client Name: Justin Goldberg

Different from owner? ☒ yes ☐ no (Buyer)
Client Address: 441 Sked Street
Pennington, NJ 08534
Contact Methods : Cell # : 410-935-2119
Home tel. :
Work :
E-mail : justin@justingoldberg.com

INSPECTION LOCATION

Inspector Name: Tom Cahill
With Field Technician Craig Moorhead
Date: 10/30/2015

Inspection Address : 6 Western Pine Street
Pennington, NJ
Township : Hopewell
Block : 43.17 Lot : 6
Was GPS used? ☐ yes ☒ no

Preliminary Information:

Weather: Clear, 62 degrees
Last precipitation: Rain, 5 days prior
Age of system: 29 years old
Type of dwelling:
☒ Residential Number of Bedrooms: 4
☐ Non residential Describe: _____
How many systems are being inspected? 1
List any commercial activities or high impact hobbies:
None
Describe prior problems and/or repair history including soil fracturing or use of chemical additives. Include dates and explain why the remedial measures have been applied to the system (if available): **The D-box was replaced in 2000.**

Was there a file review in the Health Dept. prior to the inspection? Yes
If not, why?

	Yes	No
Is there a site plan or septic map available?	☒	☐
Is the dwelling currently being occupied?	☒	☐
If so, how many occupants? 1		
If no, date last occupied?		
If there is a washing machine, is it connected to a separate gray water disposal system?	☐	☒
Is the dwelling free of additional gray water systems?	☒	☐
Is the dwelling free of garbage disposal systems?	☒	☐
Is the dwelling free of sump pump discharges to the system?	☒	☐
Is the dwelling free of any historical sewage back-ups into the structure?	☒	☐
Does all sewage enter the septic system and no type of sewage bypass exists?	☒	☐
Septic Tank Pumping:		
Is the septic tank pumped regularly?	☐	☒
Frequency: 3x in 15 years		
Date of last pumping: 6/13/14		

General Comments:

All components of a home have an expected, useful life span. For septic systems that life expectancy is typically 25 to 30 years. As systems get older, they will generally require routine maintenance and periodic repairs and will eventually require full replacement.

It is most often recommended to pump out a 1,000 gallon septic tank every 2 - 3 years, depending on the size of the family (larger family = increased water usage). If the sewage solids are not pumped out as they accumulate, there is an increased chance that they may migrate out of the tank, leading to partial blockage in drainage components and pre-mature failure.

Treatment Tank:				Yes No	
Type of tank being inspected?					
☒ Septic tank	☐ Cesspool			☒	☐
☐ Gray water	☐ Multi-compartment			☒	☐
What material is the tank made of?					
☒ Concrete	☐ Block			☒	☐
☐ Steel	☐ Other:			☒	☐
Approximate Treatment Tank Volume: 1,000 gallons				☒	☐
Evaluate the conditions of tank below:				☒	☐
	Satisfactory	Unsatisfactory	N/A	☐	☒
Top & Lid	☒	☐	☐	☐	☒
Inlet baffle	☒	☐	☐	☐	☒
Outlet baffle	☒	☐	☐	☐	☒
Cracks or Leaks	☒	☐	☐	☐	☒
Flow from the home	☒	☐	☐	☐	☒
Comments:					
This septic tank lid is buried below the mulch bed. It is recommended to install a short riser that would bring the lid up to the surface, for easier pumping. When the lid was opened, the observed liquid was at a normal operating level. After the tank was pumped out, its interior was fully visible. There were no signs of cracks or leaks and the inlet and outlet baffles were intact. As an up-grade, it is recommended to install an effluent filter into the outlet baffle of the tank to prevent migration of sewage solids from the tank to drainage components. The current outlet baffle is flimsy and will not support a filter so up-grading the existing outlet baffle is necessary in order to install an appropriate filter. An associated service program can help to extend the life of this septic system.					

Distribution system:			
Type of delivery pipe being inspected?			
☒ modern PVC	Is PVC schedule 40? ☒ yes ☐ no		
☐ Orangeburg	☐ terra-cotta		
☐ cast iron	☐ other _____		
Type of waste-water delivery?	☒ gravity fed ☐ pressure dosed		
	☐ gravity dosed		
☒ D- box is present	☐ No Distribution box is present ☐ Not able to determine		
Comments:			
From inside the tank, an in-line camera was inserted into the outlet baffle and pushed out the length of the outlet pipe to the entrance of the Distribution Box (D-box). The camera showed no damage in the pipe and no hard blockage materials. The top of the D-box was found to be 3" deep and it was uncovered. The lid was shown to be solid and when it was lifted open, the box was found to be water tight but tipped. Only 2 of the farthest laterals are being used. Speed levelers should be installed on all laterals to even out the flow of liquid. In addition, one of the knock outs (near the inlet) in the d-box has been broken and will need to be resealed to prevent leaking.			

Absorption Area:			
Was the absorption system located? ☒ yes ☐ no If no, see below:			
Check the type of the absorption components that apply :			
☒ disposal bed	☒ gravity fed	☐ pressure-dosed	☐ gravity-dosed
☐ disposal trenches	☒ # laterals: 7	☐ seepage pits(s) _____	☐ Cesspool
Are inspection ports present? ☐ yes ☒ no		If yes, how many? N/A	
Were separate, confirmation probes done throughout the absorption area? ☐ yes ☐ no ☒ N/A		Although there are no ports present, probing was done throughout the bed	
Is the area of the absorption system free of sewage odors? ☒ yes ☐ no			
Does sewage flow from the treatment tank to the absorption system without flowing back? ☒ yes ☐ no ☐ N/A			

- Is the area above/ near any of the system components free from signs of effluent or sewage? ☒ yes ☐ no
- Are the areas at or near the inlet invert of any absorption area component free of visible signs of sewage or effluent? ☒ yes ☐ no ☐ N/A
- Are areas above or near system components free of lush vegetation? ☒ yes ☐ no
- Is the area directly over any part of the absorption system free of any evidence of large objects (cars, pools, etc.)? ☒ yes ☐ no ☐ N/A

Comments:

From inside the D-box, the in-line camera was inserted through the mouths of all 7 lateral pipes and it was pushed out their lengths, as far as possible. The camera showed no damage in any of the pipes and no standing water.

Probing was done from the ground surface down into the layer of drainage gravel, in the disposal bed. The bed was well drained. It was noted that approximately 1/3 of the bed falls outside the fenced-in yard. The fence does not appear to have damaged any of the bed but moving of the fence is recommended.

Summary:	<u>Satisfactory</u>	<u>Satisfactory with Concerns</u>	<u>Unsatisfactory</u>	<u>Requires Additional Investigation</u>	<u>N/A</u>
Condition of the treatment tank	☒	☐	☐	☐	☐
Condition of the distribution system	☐	☒	☒	☐	☐
Condition of the dosing system	☐	☐	☐	☐	☒
Condition of the absorption area	☒	☐	☐	☐	☐

Summary Comments:

See the summary, cover letter

Health Department Reporting: Note if any of the following conditions were observed during the inspection

- ☐ 1. Ponding or breakout of sewage or effluent onto the surface of the ground
- ☐ 2. Seepage of sewage or effluent into portions of buildings below ground
- ☐ 3. Backup of sewage into the building served which is not caused by a physical blockage of the internal plumbing
- ☐ 4. Leakage from any system component that is supposed to be water-tight, such as the distribution box or septic tank

Pursuant to N.J.A.C. 7:9A-3.4 notification of any observation that is consistent with a condition noted above should be reported to the local administrative authority within 24 hours of the observation.

If encountered, describe all observed noncompliant conditions encountered during this inspection:

None of the conditions described above were found.

Disclaimer:

New Jersey Septic Management Group (herein after referred to as NJSMD) performs inspections in accordance with the "Protocol for Inspections of Onsite Wastewater Treatment and Disposal Systems" provided by the New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control dated April 2, 2012.

A NJDEP Inspection is:

- an objective evaluation of the onsite wastewater treatment system based on the experience and expertise of a qualified inspector.
- an evaluation of each component examined leading to a conclusion about the system's condition.

A NJDEP Inspection is not:

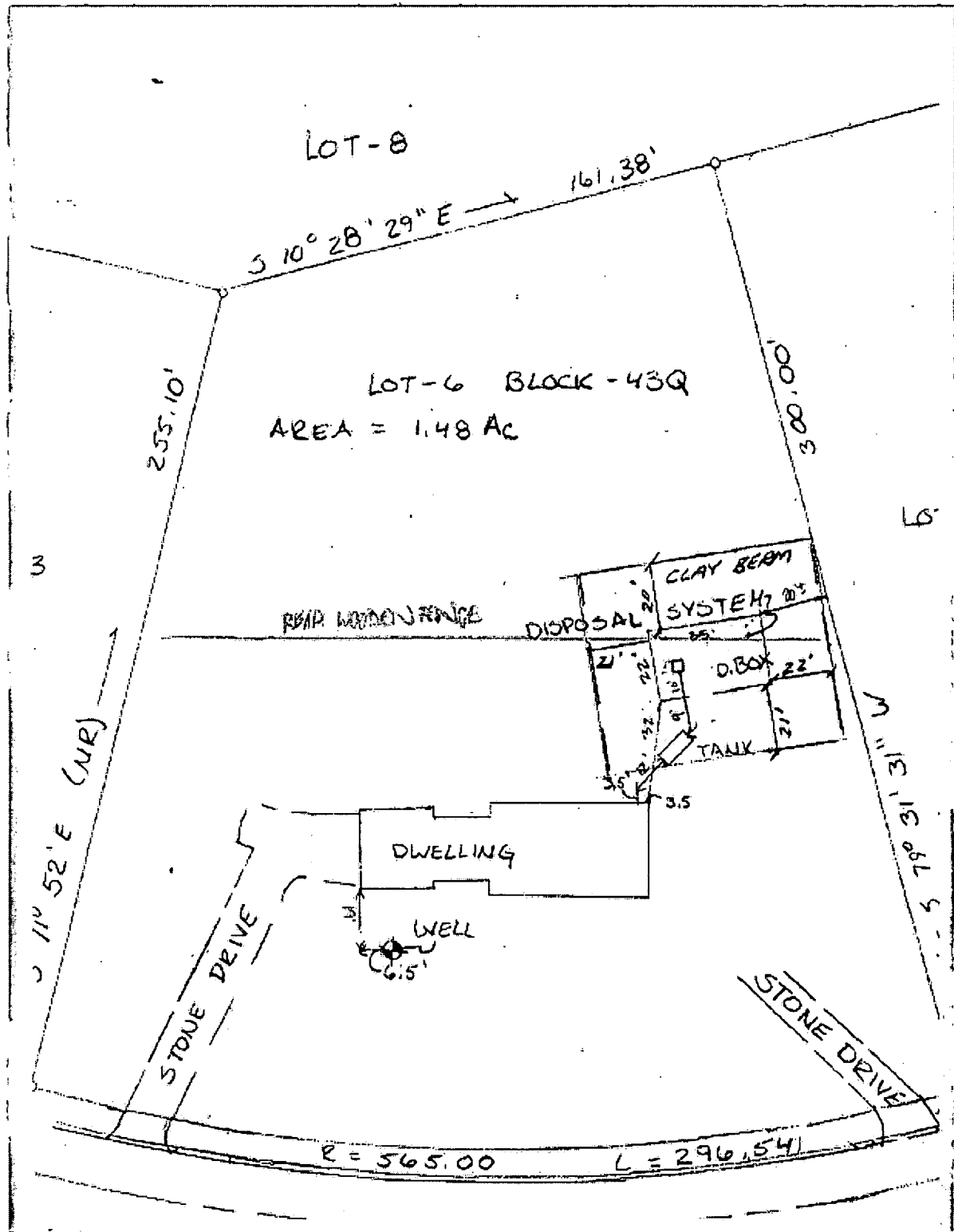
- a warranty or guarantee that the system will properly function for any period of time in the future.
- a result that is certified or endorsed by the State of New Jersey or its related regulatory or governing agencies.
- an assurance that the soil is adequately treating or will adequately treat effluent.

Based on today's observations and the information provided by the owner(s) or their agent, NJSMD submits this sub-surface sewage disposal system inspection report. The inspection is based on the current condition of the onsite sewage disposal system. NJSMD makes no representation that the system was designed, installed, or meets NJAC 7:9A-1.1 et. seq. NJSMD has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time. Because of numerous factors (usage, soil type, installation, maintenance, etc.) which affect the proper operation of a sub-surface disposal system, as well as the inability of NJSMD to supervise or monitor the use and maintenance of the system, this report shall not be construed as a warranty by NJSMD that the system will function properly for any prospective buyer. NJSMD disclaims any warranty, either expressed or implied, arising from this inspection of the septic system.

NJSMG Signature: Thomas M. Cahill Date: 11 / 2 / 2015
Printed Name: Thomas M. Cahill, Registered Environmental Health Specialist

Please see the diagram below, provided for explanatory purposes only.

Septic System Location Sketch (Not To Scale):



NEW JERSEY Septic Management Group

343 Route 601, Belle Mead, NJ 08502
phone: 908-874-4669 fax: 908-874-4697

www.nj-septic.com

Need Speed Limiters
and flagging of unused
outlet.

SEPTIC SYSTEM INSPECTION REPORT

CLIENT INFO

Client Name: Justin Goldberg
Different from owner? ☒ yes ☐ no (Buyer)
Client Address: 441 Sked Street
Pennington, NJ 08534
Contact Methods : Cell #: 410-935-2119
Home tel. :
Work :
E-mail : justin@justingoldberg.com

INSPECTION LOCATION

Inspector Name: Tom Cahill
With Field Technician Craig Moorhead
Date: 10/30/2015
Inspection Address : 6 Western Pine Street
Pennington, NJ
Township : Hopewell
Block : 43.17 Lot : 6
Was GPS used? ☐ yes ☒ no

Preliminary Information:

Weather: Clear, 62 degrees
Last precipitation: Rain, 5 days prior
Age of system: 29 years old
Type of dwelling:
☒ Residential Number of Bedrooms: 4
☐ Non residential Describe: _____
How many systems are being inspected? 1
List any commercial activities or high impact hobbies:
None
Describe prior problems and/or repair history including soil
fracturing or use of chemical additives. Include dates and
explain why the remedial measures have been applied to the
system (if available): The D-box was replaced in 2000.

Was there a file review in the Health Dept. prior to the
inspection? Yes
If not, why?

	Yes	No
Is there a site plan or septic map available?	☒	☐
Is the dwelling currently being occupied?	☒	☐
If so, how many occupants? 1		
If no, date last occupied?		
If there is a washing machine, is it connected to a separate gray water disposal system?	☐	☒
Is the dwelling free of additional gray water systems?	☒	☐
Is the dwelling free of garbage disposal systems?	☒	☐
Is the dwelling free of sump pump discharges to the system?	☒	☐
Is the dwelling free of any historical sewage back- ups into the structure?	☒	☐
Does all sewage enter the septic system and no type of sewage bypass exists?	☒	☐
Septic Tank Pumping:		
Is the septic tank pumped regularly?	☐	☒
Frequency: 3x in 15 years		
Date of last pumping: 6/13/14		

General Comments:

All components of a home have an expected, useful life span. For septic systems that life expectancy is typically 25 to 30 years. As systems get older, they will generally require routine maintenance and periodic repairs and will eventually require full replacement.

It is most often recommended to pump out a 1,000 gallon septic tank every 2 - 3 years, depending on the size of the family (larger family = increased water usage). If the sewage solids are not pumped out as they accumulate, there is an increased chance that they may migrate out of the tank, leading to partial blockage in drainage components and pre-mature failure.

Treatment Tank:					
Type of tank being inspected?				<u>Yes</u>	<u>No</u>
☒ Septic tank	☐ Cesspool			☒	☐
☐ Gray water	☐ Multi-compartment			☒	☐
What material is the tank made of?				☐	☒
☒ Concrete	☐ Block			☒	☐
☐ Steel	☐ Other:			☒	☐
Approximate Treatment Tank Volume: 1,000 gallons					
Evaluate the conditions of tank below:					
	Satisfactory	Unsatisfactory	N/A		
Top & Lid	☒	☐	☐	Main tank lid opened for inspection?	
Inlet baffle	☒	☐	☐	Liquid level below the tank's inlet invert?	
Outlet baffle	☒	☐	☐	Liquid level below the tank's outlet invert?	
Cracks or Leaks	☒	☐	☐	Treatment tank pumped for this inspection?	
Flow from the home	☒	☐	☐	Are all portions of the tank clear of structures like a deck or a driveway?	
				☒	☐
				Is the area clear of evidence that sewage has surfaced above the treatment tank?	
				☒	☐
				Does effluent flow unimpeded from the Tank?	
				☐	☒
				Is an effluent filter a part of the system?	
				☐	☐
				If yes, does it appear properly maintained?	
				☐	☐
				Are there any other types of accessory units present?	
				☐	☒
				Depth to top of tank: 5" deep	
				Depth to top of tank access: 2" (concrete lid)	
Comments:					
This septic tank lid is buried below the mulch bed. It is recommended to install a short riser that would bring the lid up to the surface, for easier pumping. When the lid was opened, the observed liquid was at a normal operating level. After the tank was pumped out, its interior was fully visible. There were no signs of cracks or leaks and the inlet and outlet baffles were intact.					
As an up-grade, it is recommended to install an effluent filter into the outlet baffle of the tank to prevent migration of sewage solids from the tank to drainage components. The current outlet baffle is flimsy and will not support a filter so up-grading the existing outlet baffle is necessary in order to install an appropriate filter. An associated service program can help to extend the life of this septic system.					

Distribution system:							
Type of delivery pipe being inspected?							
☒ modern PVC	Is PVC schedule 40?		☒ yes	☐ no			
☐ Orangeburg	☐ terra-cotta						
☐ cast iron	☐ other _____						
Type of waste-water delivery?		☒ gravity fed		☐ pressure dosed			
		☐ gravity dosed					
☒ D- box is present		☐ No Distribution box is present		☐ Not able to determine			
Comments:							
From inside the tank, an in-line camera was inserted into the outlet baffle and pushed out the length of the outlet pipe to the entrance of the Distribution Box (D-box). The camera showed no damage in the pipe and no hard blockage materials.							
The top of the D-box was found to be 3" deep and it was uncovered. The lid was shown to be solid and when it was lifted open, the box was found to be water tight but tipped. Only 2 of the farthest laterals are being used. Speed levelers should be installed on all laterals to even out the flow of liquid. In addition, one of the knock outs (near the inlet) in the d-box has been broken and will need to be resealed to prevent leaking.							

Absorption Area:			
Was the absorption system located?			
☒ yes	☐ no	If no, see below.	
Check the type of the absorption components that apply :			
☒ disposal bed	☒ gravity fed	☐ pressure-dosed	☐ gravity-dosed
☐ disposal trenches	☒ # laterals: 7	☐ seepage pits(s) _____	☐ Cesspool
		☐ raised mound	
		☐ Other _____	
Are inspection ports present?			
☐ yes		☒ no	
Were separate, confirmation probes done throughout the absorption area?		☐ yes	
		☐ no	
		☒ N/A	
Is the area of the absorption system free of sewage odors?			
		☒ yes	
		☐ no	
Does sewage flow from the treatment tank to the absorption system without flowing back?			
		☒ yes	
		☐ no	
		☐ N/A	

- Is the area above / near any of the system components free from signs of effluent or sewage? ☒ yes ☐ no
- Are the areas at or near the inlet invert of any absorption area component free of visible signs of sewage or effluent? ☒ yes ☐ no ☐ N/A
- Are areas above or near system components free of lush vegetation? ☒ yes ☐ no
- Is the area directly over any part of the absorption system free of any evidence of large objects (cars, pools, etc.)? ☒ yes ☐ no ☐ N/A

Comments:

From inside the D-box, the in-line camera was inserted through the mouths of all 7 lateral pipes and it was pushed out their lengths, as far as possible. The camera showed no damage in any of the pipes and no standing water.

Probing was done from the ground surface down into the layer of drainage gravel, in the disposal bed. The bed was well drained. It was noted that approximately 1/3 of the bed falls outside the fenced-in yard. The fence does not appear to have damaged any of the bed but moving of the fence is recommended.

Summary:	<u>Satisfactory</u>	<u>Satisfactory with Concerns</u>	<u>Unsatisfactory</u>	<u>Requires Additional Investigation</u>	<u>N/A</u>
Condition of the treatment tank	☒	☐	☐	☐	☐
Condition of the distribution system	☐	☒	☒	☐	☐
Condition of the dosing system	☐	☐	☐	☐	☒
Condition of the absorption area	☒	☐	☐	☐	☐

Summary Comments:

See the summary, cover letter

Health Department Reporting: Note if any of the following conditions were observed during the inspection

- ☐ 1. Ponding or breakout of sewage or effluent onto the surface of the ground
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Pursuant to N.J.A.C. 7:9A-3.4 notification of any observation that is consistent with a condition noted above should be reported to the local administrative authority within 24 hours of the observation.

If encountered, describe all observed noncompliant conditions encountered during this inspection:

None of the conditions described above were found.

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- an evaluation of each component examined leading to a conclusion about the system's condition.

A NJDEP Inspection is not:

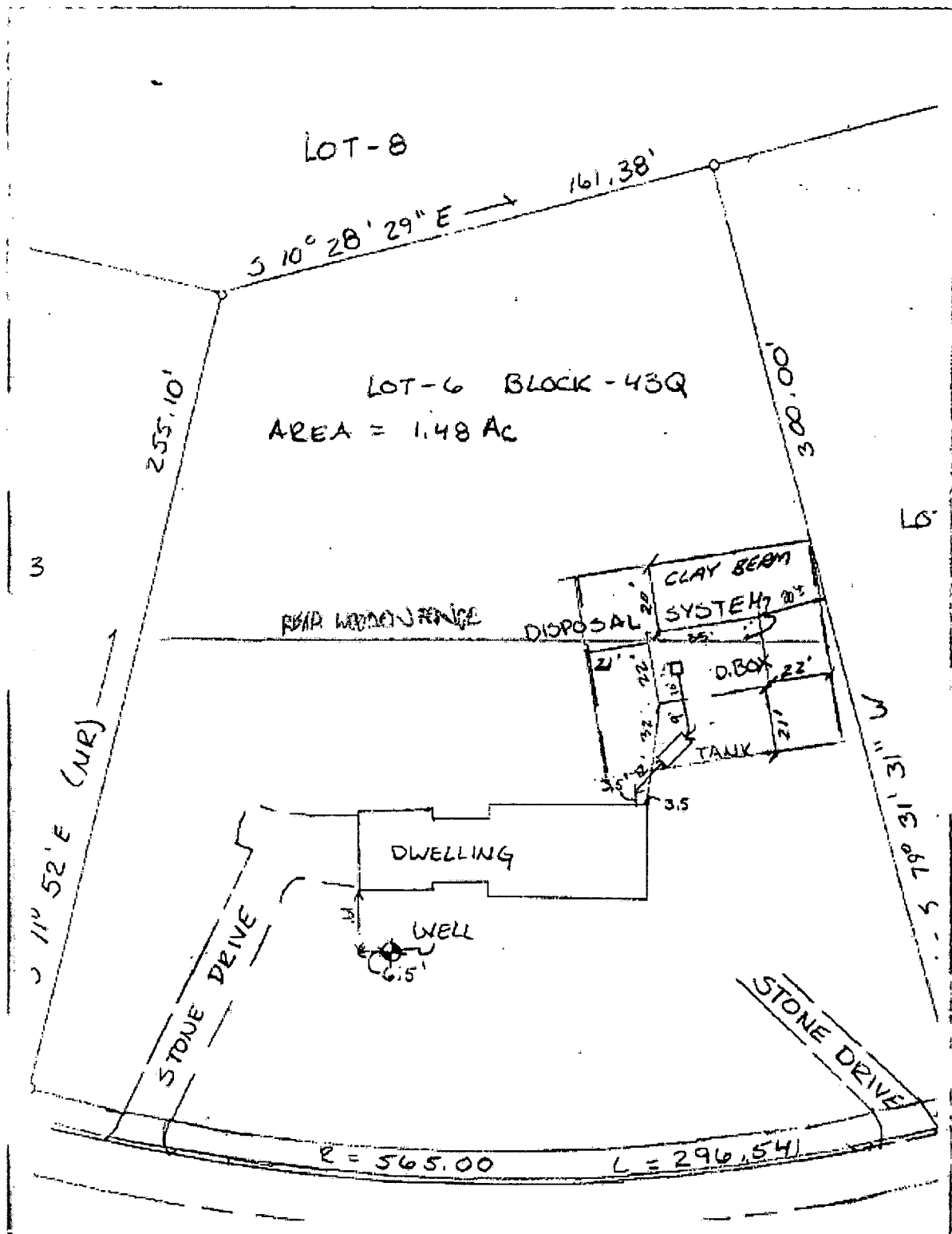
- a warranty or guarantee that the system will properly function for any period of time in the future.
- a result that is certified or endorsed by the State of New Jersey or its related regulatory or governing agencies.
- an assurance that the soil is adequately treating or will adequately treat effluent.

Based on today's observations and the information provided by the owner(s) or their agent, NJSMG submits this sub-surface sewage disposal system inspection report. The inspection is based on the current condition of the onsite sewage disposal system. NJSMG makes no representation that the system was designed, installed, or meets NJAC 7:9A-1.1 et. seq. NJSMG has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time. Because of numerous factors (usage, soil type, installation, maintenance, etc.) which affect the proper operation of a sub-surface disposal system, as well as the inability of NJSMG to supervise or monitor the use and maintenance of the system, this report shall not be construed as a warranty by NJSMG that the system will function properly for any prospective buyer. NJSMG disclaims any warranty, either expressed or implied, arising from this inspection of the septic system.

NJSMG Signature: Thomas M. Cahill Date: 11 / 2 / 2015
Printed Name: Thomas M. Cahill, Registered Environmental Health Specialist

Please see the diagram below, provided for explanatory purposes only.

Septic System Location Sketch (Not To Scale):





TOWNSHIP of HOPEWELL

MERCER COUNTY DEPARTMENT OF HEALTH

201 Washington Crossing Pennington Road Titusville,
New Jersey 08560-1410

Phone: 609.737.0120 Fax: 609-737-6836 www.hopewelltp.org

APPLICATION FOR LETTERS OF REVIEW

Block 43-17 Lot 6 Street Address 6 Western Pine St, Pennington, NJ 08534

Check One: ☒ Sale of Property ☐ Rental of Property ☐ Change in Use Settlement Date 2/1/16

Property Owner Information:

Name Patricia Potter

Phone: 609-468-4929

Address: 6 Western Pine St

Fax: _____

City Pennington State NJ Zip 08534

Email: pattpotter@msn.com

Attorney Joseph Hoffman

Phone 973-383-7415

Fax 973-383-7476 E-mail JMH383@AOL.com

Purchaser/Tenant Information

Name Justin Goldberg / Sara Lester

Phone: _____

Address: 441 Sked St

Fax: _____

City Pennington State NJ Zip 08534

Email: _____

Attorney Nancy Goldstein

Phone 609-921-9400

Fax 609-921-8998 E-mail ngoldstein@ghlaw.biz

Applying for: ☒ Septic System Review - \$75.00 ☒ Well Water Quality Review - \$75.00 Total Fee _____
Date _____

To be completed by Health Department

Septic System Review	Date	Well Water Quality Review	Date
Report Received		Report Received	
Rejected		Rejected	
Temporary Approval Granted		Temporary Approval Granted	
Final Approval Granted	<u>11/25/15</u>	Final Approval Granted	<u>11/25/15</u>
Comments:			



TOWNSHIP of HOPEWELL

MERCER COUNTY

DEPARTMENT OF HEALTH

Serving Hopewell Borough & Pennington Borough

201 Washington Crossing Pennington Road Titusville, New Jersey 08560-1410

Phone: 609.737.0120 Fax: 609.737-6836

Patricia Potter
6 Western Pine St.
Pennington NJ 08534

November 25, 2015

RE: Block 43.17 Lot 6

Final Septic & Well Letter of Review

Dear Property owner

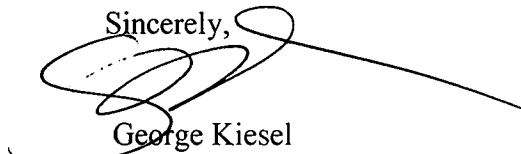
This office has received the applications for letter of review for both well water and septic system inspection for the sale of the above referenced property. These have been issued as noted.

1. **The well water from the potable well meets federal, state and local safe drinking water regulations.**
2. **The septic system has been repaired per inspection report from NJSMG. No further inspections or approvals are necessary.**

Based on the information provided to this office, the septic and well letter of review for this property is issued. No further inspections are required for this sale.

You may contact this office at (609) 737-0120 with any questions you may have regarding this matter. Our office hours are Monday through Friday, 8:30 - 4:30

Sincerely,



George Kiesel
Senior REHS



The New Jersey Well Test Reporting Form is a standardized form to be used exclusively by laboratories reporting well test results to their client in accordance with the Private Well Testing Act Regulations N.J.A.C. 7:9E.

These laboratory analyses were completed for the purposes of complying with the Private Well Testing Act.

In accordance with the Private Well Testing Act Regulations all analytical results except for coliform (total, fecal, or e.coli) shall remain valid for a period of one year from the date of sample collection. All coliform (total, fecal, or e.coli) analytical results shall remain valid for a period of six months from the date of sample collection.

- ☒ Analytical results meet primary and secondary contaminant standards for drinking water.
- ☐ One or more of the analytical results do not meet primary⁺ contaminant standards for drinking water.
- ☐ One or more of the analytical results do not meet secondary⁺⁺ contaminant standards for drinking water.

Client Information

Name: Patricia Potter
Mailing Address: 6 Western Pine Street
Hopewell, NJ 08534

Date Test Requested: 10/27/2015

Property Information

Property Address: 6 Western Pine Street Municipality: Hopewell Township
Muni Code (4 digit): 1106 County: Mercer Lot: 00006 Block: 0004317
GPS Location-State Plane coordinates (feet):
GPS Coordinate Location (circle one): X: Well Head Front Door Y: Sample Collection Point / Other
NJ Well Permit or Well Record Number (if known)

Laboratory Information

Reporting Laboratory Name & ID #: New Jersey Analytical Laboratories, LLC #11005
Reporting Laboratory Address & Phone #: 380 Scotch Road, Building 2, Suite 1B, Ewing, NJ 08628
Tel: 609-737-3477

Sample Information:

Sample Collector Name: James Windfelder
Authorized Representative/Certified Laboratory Employee Lab Certification ID #: 11005
Sample Type: **NOTE: Only raw or untreated water samples meet the requirements of the PWTA regulations N.J.A.C. 7:9E.**
a.) Indicate Specific Location of Sample collected: Bathroom Tap
b.) Type of Treatment Device(s) Installed (if known):

(+) **Primary Drinking Water contaminants** are those contaminants that have Maximum Contaminant Levels or Action Levels established to protect health. The Primary Drinking Water contaminants are coliform bacteria, nitrate (total), lead, the volatile organic compounds, arsenic, mercury and gross alpha. The standards for primary contaminants are the maximum permissible levels allowed in drinking water based on ingesting the drinking water over the course of a lifetime.

(++) **Secondary Drinking Water contaminants** are those contaminants that have Recommended Upper Limits or Optimum Ranges established to protect against those properties that adversely effect the taste, odor, or appearance of drinking water. The Secondary Drinking Water contaminants are iron, manganese and pH.

NJDEP Certified Lab No. 11005
380 Scotch Road, Suite 1B, Bldg 2, Ewing, NJ 08628
Main: 609-737-3477 Fax: 609-737-3052

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These laboratory analyses were completed for the purposes of complying with the Private Well Testing Act.

SUMMARY OF WELL WATER TEST RESULTS:

Required Test Required	Result	Units	Applicable Standard Maximum Contaminant Level Action Level or Limit	Standard Exceeded (Y/N)	Laboratory Certification ID #	Analytical Method
Microbial Parameters						
Total Coliform	Abs	Pres/Abs	0 (not present)	N	11005	SM9223B
<i>E. coli</i> *	Abs	Pres/Abs	0 (not present)	N	11005	SM9223B
Metals						
Arsenic #	4.4	ug/l	5 ug/l	N	11005	EPA 200.8
Mercury	NA	ug/l	2 ug/l	NA	NA	NA
Lead**	<0.5	ug/l	5 ug/l **	N	11005	EPA 200.8
Iron	<0.10	mg/l	0.3 mg/l	N	11005	SM 3111B
Manganese	<0.001	mg/l	0.05 mg/l	N	11005	EPA 200.8
General Chemistry						
pH	7.02	su	6.5-8.5 (optimum range)	N	11005	SM4500 H-B
Nitrate (total)	2,300	ug/l	10,000 ug/l	N	11005	EPA 300
Volatile Organics						
Benzene	<0.1	ug/l	1 ug/l	N	11005	EPA 524.2
Carbon Tetrachloride	<0.1	ug/l	2 ug/l	N	11005	EPA 524.2
<i>meta</i> -Dichlorobenzene	<0.2	ug/l	600 ug/l	N	11005	EPA 524.2
<i>ortho</i> -Dichlorobenzene	<0.3	ug/l	600 ug/l	N	11005	EPA 524.2
<i>para</i> -Dichlorobenzene	<0.3	ug/l	75 ug/l	N	11005	EPA 524.2
1,1-Dichloroethane	<0.1	ug/l	50 ug/l	N	11005	EPA 524.2
1,2-Dichloroethane	<0.1	ug/l	2 ug/l	N	11005	EPA 524.2
1,1-Dichloroethylene	<0.1	ug/l	2 ug/l	N	11005	EPA 524.2
<i>cis</i> -1,2-Dichloroethylene	<0.2	ug/l	70 ug/l	N	11005	EPA 524.2
<i>trans</i> -1,2-Dichloroethylene	<0.1	ug/l	100 ug/l	N	11005	EPA 524.2
1,2-Dichloropropane	<0.1	ug/l	5 ug/l	N	11005	EPA 524.2
Ethylbenzene	<0.1	ug/l	700 ug/l	N	11005	EPA 524.2
Methyl tertiary-butyl ether	<0.1	ug/l	70 ug/l	N	11005	EPA 524.2
Methylene Chloride	<0.1	ug/l	3 ug/l	N	11005	EPA 524.2
Monochlorobenzene	<0.1	ug/l	50 ug/l	N	11005	EPA 524.2
Naphthalene	<0.5	ug/l	300 ug/l	N	11005	EPA 524.2
Styrene	<0.1	ug/l	100 ug/l	N	11005	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	ug/l	1 ug/l	N	11005	EPA 524.2
Tetrachloroethylene	<0.2	ug/l	1 ug/l	N	11005	EPA 524.2
Toluene	<0.1	ug/l	1,000 ug/l	N	11005	EPA 524.2
1,2,4-Trichlorobenzene	<0.3	ug/l	9 ug/l	N	11005	EPA 524.2
1,1,1-Trichloroethane	<0.1	ug/l	30 ug/l	N	11005	EPA 524.2
1,1,2-Trichloroethane	<0.2	ug/l	3 ug/l	N	11005	EPA 524.2
Trichloroethylene	<0.1	ug/l	1 ug/l	N	11005	EPA 524.2
Vinyl Chloride	<0.2	ug/l	2 ug/l	N	11005	EPA 524.2
Xylenes (total)	<0.1	ug/l	1,000 ug/l	N	11005	EPA 524.2
Radiological Parameters						
Gross Alpha (initial)~	8.2	pCi/L	5 pCi/L	Y	FL008	ECLS-R-GA R8
Gross Alpha (final)~	9.0	pCi/L	15 pCi/L	N	FL008	ECLS-R-GA R8

UNITS: Pres/Abs=presence or absence; ug/l= micrograms per liter (also known as parts per billion); mg/l=milligrams per liter (also known as parts per million); pCi/l=picocuries per liter; su=standard units.

* If total coliform bacteria are detected then additional analyses are required to determine the specific type (fecal or *E. coli*) present. Fecal coliform or *E. coli* analysis are not required if total coliform sample results indicate the absence of total coliform bacteria.

** The results of a "flushed" raw (untreated) water sample, which is required by the Private Well Testing Act regulations, should be compared to the Ground Water Quality Standard of 5 ug/l found at N.J.A.C.7: 9-6 et seq. The Lead Action Level of 15 ug/l applies to a one liter first-draw tap sample collected from a cold water kitchen or bathroom tap/sink in which the water has remained motionless in the plumbing system for at least six hours [40 CFR 141.86(b)(2)]. This type of standing-water sample is NOT required by the Private Well Testing Act regulations.

Arsenic analysis is required in Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Morris, Passaic, Somerset and Union counties. A new MCL of 5 ug/l took effect 1/23/06.

^ Mercury analysis is required only in Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Monmouth, Ocean, and Salem counties.

- Gross alpha particle activity testing will be required in Cumberland and Gloucester counties starting March 15, 2003; Atlantic, Burlington, Camden and Salem counties starting September 16, 2003; Cape May, Hunterdon, Mercer, Middlesex, Monmouth and Ocean counties starting March 16, 2004. If the initial Gross alpha particle count exceeds 5 pCi/l a second count is required according to the Method. The MCL for Gross alpha particle activity is 15 pCi/l.

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ADDITIONAL SAMPLE INFORMATION:

Coliform Analyses:		
Date/Time Sample Collected: 10/28/15, 1145	Date/Time Sample Analyzed: 10/28/15, 1637	Sample ID Number: N030461
Date/Time Sample Collected	Date/Time Sample Analyzed:	Sample ID Number:
Volatile Organics:		
Date/Time Sample Collected: 10/28/15, 1145	Date/Time Sample Analyzed: 10/29/15, 1230	Sample ID Number: N030461
Inorganics:		
Date/Time Sample Collected: 10/28/15, 1145	Date/Time Sample Analyzed: 10/28/15, 2000	Sample ID Number: N030461
Date/Time Sample Collected	Date/Time Sample Analyzed:	Sample ID Number:
pH Analysis:		
Date/Time Sample Collected: 10/28/15, 1118	Date/Time Sample Analyzed: 10/28/15, 1123	Sample ID Number: N030461
Gross Alpha Analyses:		
Date/Time Sample Collected: 10/28/15, 1145	Date/Time Sample Analyzed: 10/31/15, 0800	Sample ID Number: N030461
Date(s) All Analyses Received by Reporting Lab from Subcontracted Lab (if applicable):		

CERTIFICATION OF RESULTS:

I certify in writing that all sampling, analyses, and reporting performed herein, comply with all requirements set forth in N.J.A.C. 7:9E and N.J.A.C. 7:18, and hereby certify that this laboratory is in compliance with all laboratory certification and quality control procedures and requirements as set forth in N.J.A.C. 7:18.

Laura McBrady _____ 11-06-2015
 Laboratory Manager or Designee Date

ADDITIONAL INFORMATION:

I. Treatment Options

Listed below are the common treatments available to homeowners having well contamination above a Maximum Contaminant Level, Action Level or Recommended Limit. The goal of water treatment is the removal of contaminants to levels below the Maximum Contaminant Level, Action Level or Recommended Limit. For additional information on home treatment devices contact you local/county health department or the NJDEP Private Well Testing Act Hotline at 1-866-4PW-TEST or visit the Private Well Testing Act webpage at www.state.nj.us/dep/pwta for links to other appropriate websites, such as National Sanitation Foundation www.nsf.org or USEPA's drinking water website www.epa.gov/safewater. You may also call the USEPA Drinking Water Hotline at (800) 426-4791 to obtain a copy of USEPA's pamphlet entitled "Home Water Treatment Units" (WH-550A). All treatment devices must be properly maintained in accordance with manufacturer recommendations to ensure operating efficiency in removing contaminants. As noted below, not all treatment devices remove every contaminant; there may be more than one device installed if multiple contaminants exist in the drinking water. Water treatment companies may be found by consulting the yellow pages of your local area phone book.

New Jersey Private Well Water Test Reporting Form

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These laboratory analyses were completed for the purposes of complying with the Private Well Testing Act

SUMMARY OF TREATMENT OPTIONS FOR HOMEOWNERS

Treatment Type	Contaminants Treated
Activated Carbon Filtration	Some Organic Chemicals
	Taste
	Trihalomethanes
	Some Pesticides
	Odor
Air Stripping	Volatile Organic Compounds (higher concentrations)
	Iron (with filtration)
	Hydrogen Sulfide
	Radon Gas
Chlorinators	Bacteria (Coliform)
	Microbiological Contamination
Distillation	All Inorganic Chemicals (i.e., Nitrate, Sodium Chloride)
	Some Organic Chemicals
Ion Exchange	Hard Water (Water Softening)
	Manganese
	Some Heavy Metals
	Calcium
	Iron
Reverse Osmosis	Certain Organic Chemicals
	Nitrates
	Dissolved Solids/Metals
Mechanical Filtration	Turbidity
	Dirt
	Sediment
	Particulates (Loose Scale)
Bottled Water	Temporary Solution to Aesthetic Problems & Emergency Situations
KDF-55 with pH adjustment	Mercury
Ultraviolet Radiation	Bacteria (Coliform)
	Microbiological Contamination

II. Health Effects

Drinking water standards are established to protect consumers of drinking water from both adverse health effects (primary drinking water standards) and from qualities that make the water unpalatable (secondary drinking water standards). Both NJDEP and USEPA set drinking water standards; those in effect in New Jersey can be found at www.state.nj.us/dep/watersupply. Both NJDEP and USEPA periodically review this list and add or subtract contaminants based on new scientific information. Standard setting is summarized in a brochure entitled "Standards for Safe Drinking Water In New Jersey" available by calling 1-866-4PW-TEST.

There are several resources available to assist in interpreting your test results. An informative booklet explaining drinking water results written by Rutgers Cooperative Extension Service entitled "Interpreting Drinking Water Quality Analysis - What do the Numbers Mean? - 5th edition" is available at www.rce.rutgers.edu/pubs/pdfs/e214.pdf. Health effects information developed by the USEPA is summarized at www.epa.gov/safewater/mcl.html. The New Jersey Department of Health and Senior Services, in conjunction with NJDEP's Bureau of Safe Drinking Water and Division of Science Research and Technology, has developed a series of brochures for drinking water and health that can be found at www.state.nj.us/health/eoh/hhazweb/edmat.html.

New Jersey Private Well Water Test Reporting Form

The Private Well Test Reporting Form is a standardized form to be used exclusively by laboratories reporting well test results to their client in accordance with the Private Well Testing Act Regulations N.J.A.C. 7:9E.

These laboratory analyses were completed for the purposes of complying with the Private Well Testing Act.

III. Recommendations for Additional Testing

The Private Well Testing Act regulations require well water samples to be collected from untreated or "raw" water. Raw water quality represents the well water quality. Additional water testing may be conducted to determine the effectiveness of a water treatment system or to determine if the distribution system (pipes) may be contributing additional contamination. In those cases sampling of treated or finished water at the tap is recommended. This additional testing of treated water is not required under the Private Well Testing Act regulations. For example, testing of finished water to determine the effectiveness of a treatment system to remove contaminants for a known, pre-existing water quality problem would be desirable. Below are recommendations for additional testing.

Scenario One: There is an existing treatment system or device installed at the house or building due to a known pre-existing water quality problem and raw water testing indicates that one or more parameters are above a Maximum Contaminant Level, Action Level, or Recommended Limit. NJDEP recommends that a second water sample be collected for the parameter(s) of concern at a location after the treatment system or device at a primary tap to insure that the system or device is working properly in removing or reducing the contaminants to below the applicable Maximum Contaminant Level, Action Level, or Recommended Limit.

Scenario Two: After testing, total and fecal coliform bacteria are found to be above the Maximum Contaminant Level. The well is subsequently treated via chlorine disinfection. Re-testing is recommended after a chlorine residual can no longer be detected to insure the effectiveness of the treatment.

Scenario Three: [FOR LEAD ANALYSIS ONLY] (Note: The Private Well Testing Act regulations require that a "flushed" sample be collected for lead analysis meaning the well water was run to remove any water that may have been in contact with the plumbing for an extended period of time). *In scenario three*, the flushed, untreated sample, collected at the tap, indicates there is lead contamination greater than 5 ug/l. The state's ground water quality standard of 5 ug/l is the more appropriate standard to apply to a "flushed" water sample rather than the drinking water Action Level of 15 ug/l, which is based on sampling drinking water that has been allowed to remain in the plumbing for at least six hours.

If the interested party wants to better evaluate the level of potential lead contamination from the plumbing system, a "first draw" (non-flushed) sample should also be analyzed for lead. This "first draw" water sample may likely contain the highest level of lead to which one is likely to be exposed. The results of this sample should be compared to the lead Action Level of 15 ug/l. Results above 15 ug/l mean that there is a source of lead in the home plumbing system. The interested party may install treatment to make the water less corrosive and less likely to dissolve lead from the plumbing; may attempt to locate the source of the lead and remove it from the home plumbing system or may choose to run the water through the plumbing (or selected faucets) each morning to insure that the standing water is flushed through the pipes and is not consumed.

IV. Remediation/Treatment Funding Sources

- A.) The **Spill Fund Program** administered by the Bureau of Contract and Fund Management within the New Jersey Department of Environmental Protection offers help to innocent parties suffering from direct or indirect damages resulting from the discharge of a *hazardous substance*. A property owner may file a claim for reimbursement for most of the expenses incurred to install a treatment device for a potable well or to connect to a public water supply because of a hazardous substance in the well water. A claimant has **1 year** from the date he/she learns that the well is contaminated above standards to file a claim. There are specific requirements and guidelines for filing claims with the Spill Fund. For more information, please contact the NJDEP-Bureau of Contract and Fund Management at: 609-777-0101 or visit their website at: www.state.nj.us/dep/srp or you may write to the BCFM: NJDEP-BCFM/Spill Fund, P.O. Box 413, 401 E. State Street, Trenton, N.J. 08625-0413.
- B.) The **New Jersey Housing and Mortgage Finance Agency (NJHMFA)** has a Potable Water Loan Program that is available to owners of single family residences whose source of potable water exceeds the State of New Jersey's Primary Drinking Water Standards, including lead and mercury. In addition, the loan program covers iron and manganese although these contaminants do not have Primary Drinking Water Standards. For further information, please contact the NJHMFA Hotline at 1-800-NJHOUSE (1-800-654-6873) or they may be reached at: P.O. Box 18550, 637 South Clinton Avenue, Trenton, N.J. 08650-2085 or on the web at: www.state.nj.us/dca/hmfa



TOWNSHIP of HOPEWELL

MERCER COUNTY

DEPARTMENT OF HEALTH

201 Washington Crossing Pennington Road

Titusville, New Jersey 08560-1410

Phone: 609.737.0120 Fax: 609-737-6836 www.hopewelltpw.org



Public Health
Prevent. Promote. Protect.

REQUEST FOR PROPERTY INFORMATION

Date of Request: 10/31/15

Requested By: TOM CAYILL

Requester Company (if applicable): NTSMB

Requester Address: BOW MIND NJ

Requester Telephone No.: (908) 874-4869

Document/Information Requested: SYNOPSIS REPORT

+ copy of AS-BUILT

Block 43.17 Lot 6

Property Address: 6 WESTERN PIKE

PRINCETON

Notes: _____

Block 43.17, Lot 6 (6 Western Pipe)

11/10/05 RE Site Inspection w/ Owner regarding drainage concern.

Outlet of swale @ rear of yard has been obstructed from years of grass & leaf litter.

Septic Mound Constructed @ neighboring property did not impact existing swale on this property.

Resident noted water does not pool more than 48 hours.

NFA

Pat Patten

(11) 730 0180

(C) (609) 468 4929

3/27/06 - Site Trip w/ Photos of Drainage.

Pipe @ easement = 15' id. Pipe @ neighbors = 12' id.

3/28/06 - RE sent photos to M. Blanes & called owner w/ status.

HOPEWELL TOWNSHIP HEALTH DEPARTMENT
Route 546 and Scotch Road, Titusville, New Jersey 08560
(609) 737-0120

RECEIVED
NOV 1 1984
Hopewell Township Health Dept.

APPLICATION FOR SEWAGE DISPOSAL SYSTEMS

Applicant BALESTRIERI & PEARSON Block 43Q Lot 6
Mailing Address 245 WOODSVILLE RD. Location WESTERN PINE ST
HOPEWELL, N.J. 08525 Size of Lot 64,409 Square Feet
Phone # (Home) 466-0095 (Work) _____ Zoning Designation R-150
Builder if different than above _____ Phone # _____
Mailing Address _____
Signature of Applicant Michael Pearson Date 11/1/84 # 10110
Fee \$ 75.00 Date Received 11/1/84-N.C.
Type of Construction or Usage RESIDENTIAL
Number of Bedrooms 4 Gal/Day if Commercial _____
Water Source ON SITE WELL Square Footage of Bldg. _____

SOIL TEST RESULTS

Perc Test Results			Soil Log	
Hole No.	Depth	Rate Min/In	Depths	Description of Soil Encountered
<u>1</u>	<u>28"</u>	<u>18</u>	<u>0"-6"</u>	<u>SILTY LOAM</u>
<u>2</u>	<u>20"</u>	<u>10</u>	<u>6"-36"</u>	<u>MED. FRAC. SHALE W/LOAM</u>
			<u>36"-78"</u>	<u>LARGE SHALE</u>

Date of Perc Tests 3/6/80
Date of Soil Logs 3/6/80
Professional Firm PRINCETON Jct. ENGR. CO.
Test Conducted by BRYCE RITTENHOUSE
Witnessed By FRANK LANZI
Design Certified By: _____
Bryce M. Rittenhouse
(Signature of Professional Engineer)
(Seal) License # 13453
Date 10/17/84

Depth to Bedrock 78"
Depth to Seasonal High Water Table 78"
Determined by (check one):
a) Physical Measurement X Jan 1 - May 15
b) Soil Maps _____ List Below
c) Soil Detail _____ Describe Below

SYSTEM DESIGN SHALL COMPLY WITH N.J.D.E.P. STANDARDS FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM AND HOPEWELL TOWNSHIP SEWAGE DISPOSAL ORDINANCE.

No. of Bedrooms 4 X 220 Square Footage/Bedroom = 880 Square Feet
Tank(s) Size _____ Square Footage Designed { 900 }
Installer _____ Phone # _____
Address _____

Three copies of Design to be submitted on 8 1/2" x 14" sheets.
Minimum Distance to all Water Courses, Flood Plains and Wells, 100 feet unless approved by Administrative Authority.
Distance to other disposal systems on adjacent lots - 50 feet minimum.
Expansion attics require additional design area square footage.
Garbage disposals require 25% over design and an additional tank in series.
Distance to foundations and foundation drains, etc. 25 feet minimum.
Pump design to include pitless adapter, pump size and model, and minimum wet well size.

Application Approved Revised design 11-8-84 / 5-31-85 Date 5-31-85
Installation Approved _____ Date 8-5-85
As Built Approved _____ Date 10-23-86

HOPEWELL TOWNSHIP HEALTH DEPARTMENT
Route 546 and Scotch Road, Titusville, New Jersey 08560
(609) 737-0120

APPLICATION FOR SEWAGE DISPOSAL SYSTEMS

Applicant BALESTRIERI & PEARSON Block 43A Lot 6
Mailing Address 245 WOODSVILLE RD. Location WESTERN PINE ST
HOPEWELL, N.J. 08525 Size of Lot 64,409 Square Fee
Phone # (Home) 466-0095 (Work) _____ Zoning Designation R-150
Builder if different than above _____ Phone # _____
Mailing Address _____
Signature of Applicant _____ Date _____
Fee \$ _____ Date Received NOV 8 1984
Type of Construction or Usage RESIDENTIAL Hopewell Township Health Dept.
Number of Bedrooms 4 Gal/Day if Commercial _____
Water Source ON SITE WELL Square Footage of Bldg. _____

SOIL TEST RESULTS

Hole No.	Perc Test Results	Soil Log
	Depth Rate Min/In	Depths Description of Soil Encountered
<u>1</u>	<u>28"</u> <u>18</u>	<u>0"-6"</u> <u>SILTY LOAM</u>
<u>2</u>	<u>20"</u> <u>10</u>	<u>6"-36"</u> <u>MED. FINE SHALE W/LOAM</u>
		<u>36"-78"</u> <u>LARGE SHALE</u>

Date of Perc Tests 3/6/80
Date of Soil Logs 3/6/80
Professional Firm PRINCETON JET. ENGR. CO.
Test Conducted by BRUCE RITTENHOUSE
Witnessed By FRANK LANZI
Design Certified By: _____
Bruce M. Rittenhouse
(Signature of Professional Engineer)
License # 13453
Date 11/7/84
Depth to Bedrock 78"
Depth to Seasonal High Water Table 78"
Determined by (check one):
a) Physical Measurement ☒ Jan 1 - May 15
b) Soil Maps _____ List Below
c) Soil Detail _____ Describe Below

SYSTEM DESIGN SHALL COMPLY WITH N.J.D.E.P. STANDARDS FOR THE CONSTRUCTION OF INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM AND HOPEWELL TOWNSHIP SEWAGE DISPOSAL ORDINANCE

No. of Bedrooms 4 X 260 Square Footage/Bedroom = 1040 Square Fee
Tank(s) Size _____ Square Footage Designed 1050
Installer _____ Phone # _____
Address _____

Three copies of Design to be submitted on 8 1/2" x 14" sheets.
Minimum Distance to all Water Courses, Flood Plains and Wells, 100 feet unless approved by Administrative Authority
Distance to other disposal systems on adjacent lots - 50 feet minimum.
Expansion attics require additional design area square footage.
Garbage disposals require 25% over design and an additional tank in series.
Distance to foundations and foundation drains, etc. 25 feet minimum.
Pump design to include pitless adapter, pump size and model, and minimum wet well size.

Application Approved Revised Design Guam Date 11-8-84
Installation Approved _____ Date _____
As Built Approved _____ Date _____

RECEIVED

JAN 17 1983

Hopewell Township Health Dept.

PROFESSIONAL ENGINEERS AND LAND SURVEYORS

NORTH POST ROAD, P.O. BOX 223
PRINCETON JUNCTION, N.J. 08560

609-799-1908

609-799-1963

PERCOLATION TEST RESULTS

ORDERED BY HAROLD PEARSONDATE 3/6/80FOR HAROLD PEARSONWEATHER CLEARSHEET 18BLOCK 93MUNICIPALITY HOPEWELL TWP.LOT PRELIM.
LOT 94NO. OF TEST HOLES 2NO. OF TESTS TO DETERMINE SATURATION 3
RESULTS IN MINUTES PER INCH

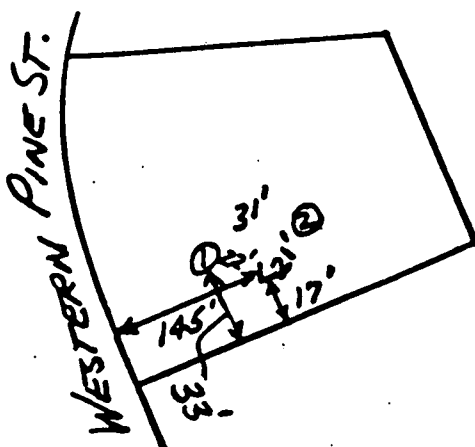
COMMENTS:

#1 - 28" DEEP - 1" / 10 MIN.

#2 - 20" DEEP - 1" / 10 MIN.

NOTE: PERC. DIMENSIONS
ADDED 11/6/83.WITNESS: FRANK LANZIRobert M. Rittenhouse 3/6/80
P.E. / LIC. NO. 13453 DATE 11/6/83

SKETCH OF TEST HOLE LOCATIONS



SOIL LOG

0"	
6"	SILTY LOAM
36"	MEDIUM FRACTURED SHALE W/ LOAM
70"	LARGE SHALE
	NO WATER ENCOUNTERED

PEARSON PERCS

3/6/80

K.D.
B.R.

PERC #1-2 ≈ 31' 94-1 (28")

LOC: 22' N.W. of log

	F _s	2:29	8 1/4"
1/4-1		2:30	8 1/2"
	F _s	2:30	8 1/4"
1/4-1		2:31	8 1/2"
	F _s	2:31	8 1/4"
1/8-1		2:32	8 3/8"
	F _T	2:35	8"
		2:48	9 1/2"
		3:20	12"
		4:22	14"

18

94-2 (20")

LOC: 21' N.E. of log

	F _s	3:08	4 3/4"
1/2-1		3:09	5 1/4"
	F _s	3:09	5 1/4"
1/2-1		3:10	5 3/4"
	F _s	3:10	5 3/4"
1/2-1		3:11	6 1/4"
	F _T	3:12	4 1/2"
		3:25	8 1/4"
		4:07	10 1/2"

10

SOIL LOG

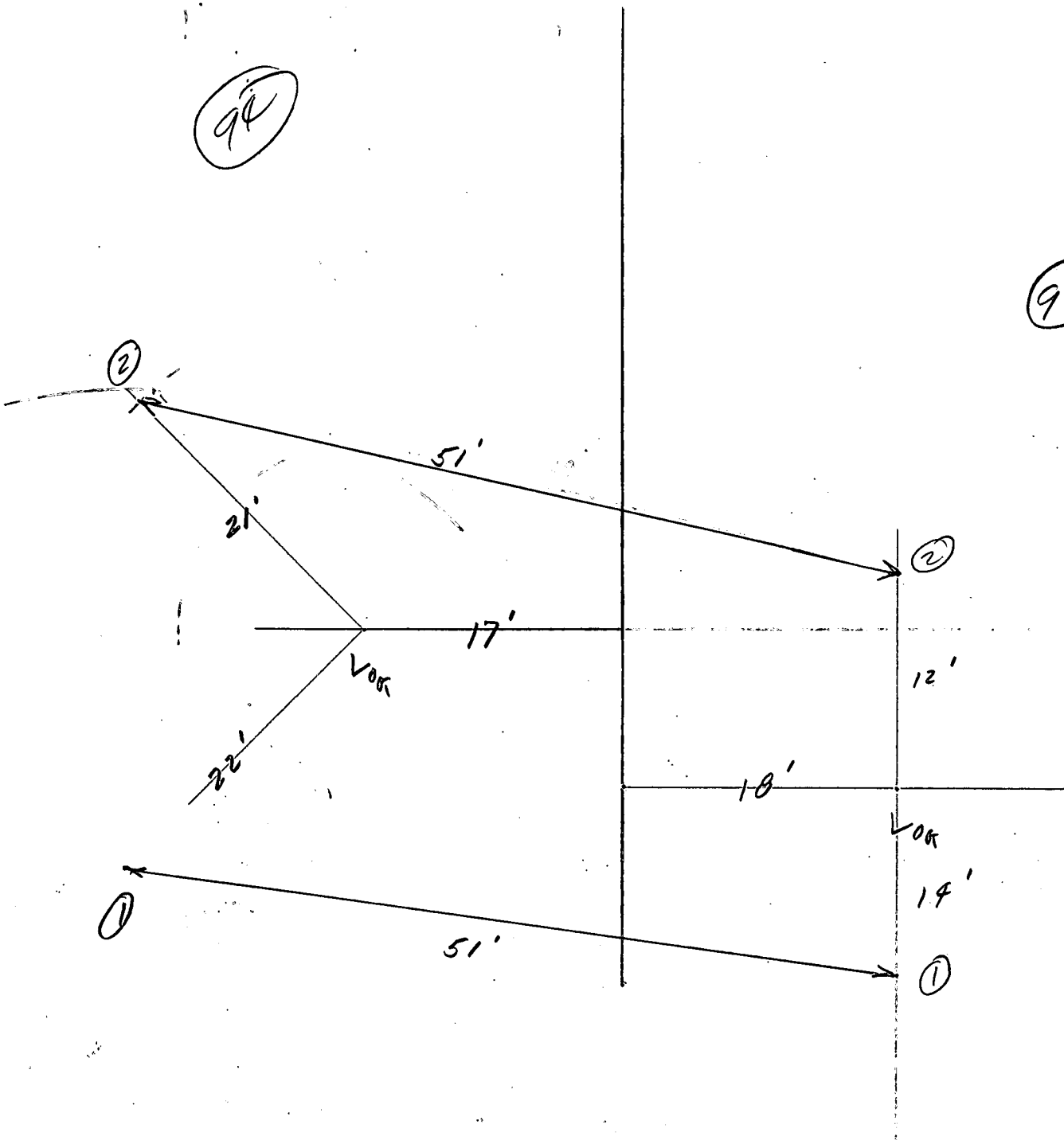
LOC: 45' FRONT R. & 17' RIGHT R.

0'-6" SILTY LOAM
6"-36" MED. FRAC. SHALE (w) LOAM
36"-78" LARGE SHALE
NO WATER

45
3
6
TTT

94

95



1" = 10' BR

COMMUNITY DEVELOPMENT DEPARTMENT
PHILLIPSBURG, N.J.

Cost Estimate - Parking Lot
South Main Street

<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
Concrete curb	LF	500
6" concrete apron	SY	30
1½" Quarry blend	ton	5
Bank run (subbase)	ton	10
PAVEMENT		
2" FABC-1 surface	SY	1,186
4" Bit. Stab. base	SY	1,186
Tack coat	SY	1,186
Signs	each	3
Bumper stops	each	32
Remove wall	L.S.	
Remove & construct 4" concrete walk	SY	50
Lights	each	3
Striping	LF	900
2½" clean stone soil control	L.S.	
Juniper	each	120
Arborvitae	each	6

+ 10% conting

August 3, 1982
Rev. 8/31/82

LOG & PERC

OWNER OR DEVELOPMENT PEARSON PROP INSPECTOR LANZIENGINEER: PRINCETON JUNCT. BOYCE

STREET LOCATION: _____

LOT NO. 94 BLOCK _____ SECTION _____LOCATION OF LOG 145' OFF FRONT P/L17' OFF RIGHT P/L

LOCATION OF PERC HOLE _____

DATE OF LOG 3-6-80 DATE OF PERC 3-6-80WATER TABLE BELOW EXISTING GROUND LEVEL 79" Dry DATE 3-6-80SOIL LOG 3"-6" silty loam6"-36" MED FRACTURED SHALE36"-74" LARGE SHALENO water

#1

STABILIZATION	
HOLE DEPTH 28	
TIME	INCHES
2:29	8 1/4
2:30	8 1/2
2:30	8 1/4
2:31	8 1/2
2:31	8 1/4
2:32	8 3/8

#1

PERC HOLE	
HOLE DEPTH 28	
TIME	INCHES
2:35	8
2:48	9 1/2

STABILIZATION	
HOLE DEPTH	
TIME	INCHES

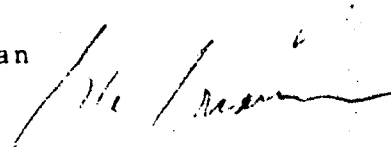
STABILIZATION	
HOLE DEPTH	
TIME	INCHES

MIN. INCHES

MIN. INCHES

HOPEWELL TOWNSHIP HEALTH DEPARTMENT
MEMORANDUM

TO: Hopewell Township Planning Board
FROM: Gary A. Guarino, Registered Sanitarian
DATE: March 20, 1984
SUBJECT: Section 18, Elm Ridge Park, West
Block 43R - Lots 5, 6
Block 43Q - Lots 5, 6, 7



This office has reviewed the revised design for Section 18 and has found all the lots to be acceptable.

However, the following conditions should be required:

1. In order to provide sufficient area for the onsite subsurface sewage disposal systems on lots 94 and 95, no structures or driveway shall be allowed within the 50 foot side yard area as extended between the front property line and the rear property line.
2. The onsite water supply shall be installed in an area on Lot 94 in such a location that after the dwelling is completed the system is accessible by large drilling equipment for replacement or alteration.
3. All wells shall be a minimum of 100 feet from all onsite seepage disposal systems.
4. A minimum of 50 feet of casing is required for all onsite water supplies.

GAG:hc

cc: Paul Pogorzelski
Harold Pearson

VAN CLEEF ENGINEERING ASSOCIATES

SOMERSET COUNTY OFFICE
Aux. R. D. 3 - P. O. Box 156
Amwell Road
Bella Mead, New Jersey 08502
(201) 369 8291

HUNTERDON COUNTY OFFICE
Route 31 - R. D. 1
Lebanon, N. J. 08833
(201) - 735-9500

April 2, 1984

Please reply to:
MERCER COUNTY OFFICE
2345 Route 33
Robbinsville, N. J. 08691
(609) - 269-3263

Mr. David Stratton, N.J.L.S.
Trenton Engineering Company
2193 Spruce Street
Trenton, New Jersey

RECEIVED

APR 10 1984

Hopewell Township Health Dept.

Re: Major Subdivision #7850
Elm Ridge Park, West
Section 18
Blocks 43Q, 43R, Lot 6 & 6 respectively, Sheet 18
Aqua Terrace and Western Pine Street

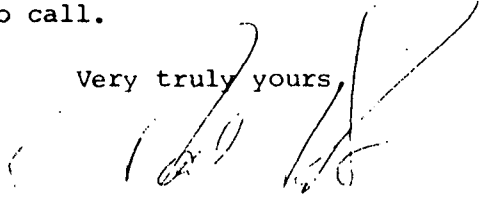
Dear David:

A review of the revised final plan for section 18 of the Elm Ridge Park, West development has been performed and the following notations will be required to be delineated on the same prior to signature.

1. No improvements shall be permitted within the Southerly sideyard of Lot 94 (Section 43Q, Lot 6) and Northerly sideyard of Lot 95 (Section 43Q, Lot 5) without prior approval from the Board of Health.
2. 50 feet minimum of well casing to be provided on all lots.

Attached hereto is the original tracing submitted for review, for revision. Upon revision, resubmission, and payment of the required inspection fees signature will be recommended. Should any questions arise, please feel free to call.

Very truly yours,


Paul Pogorzelski
FOR
NEIL I. VAN CLEEF
TOWNSHIP ENGINEER

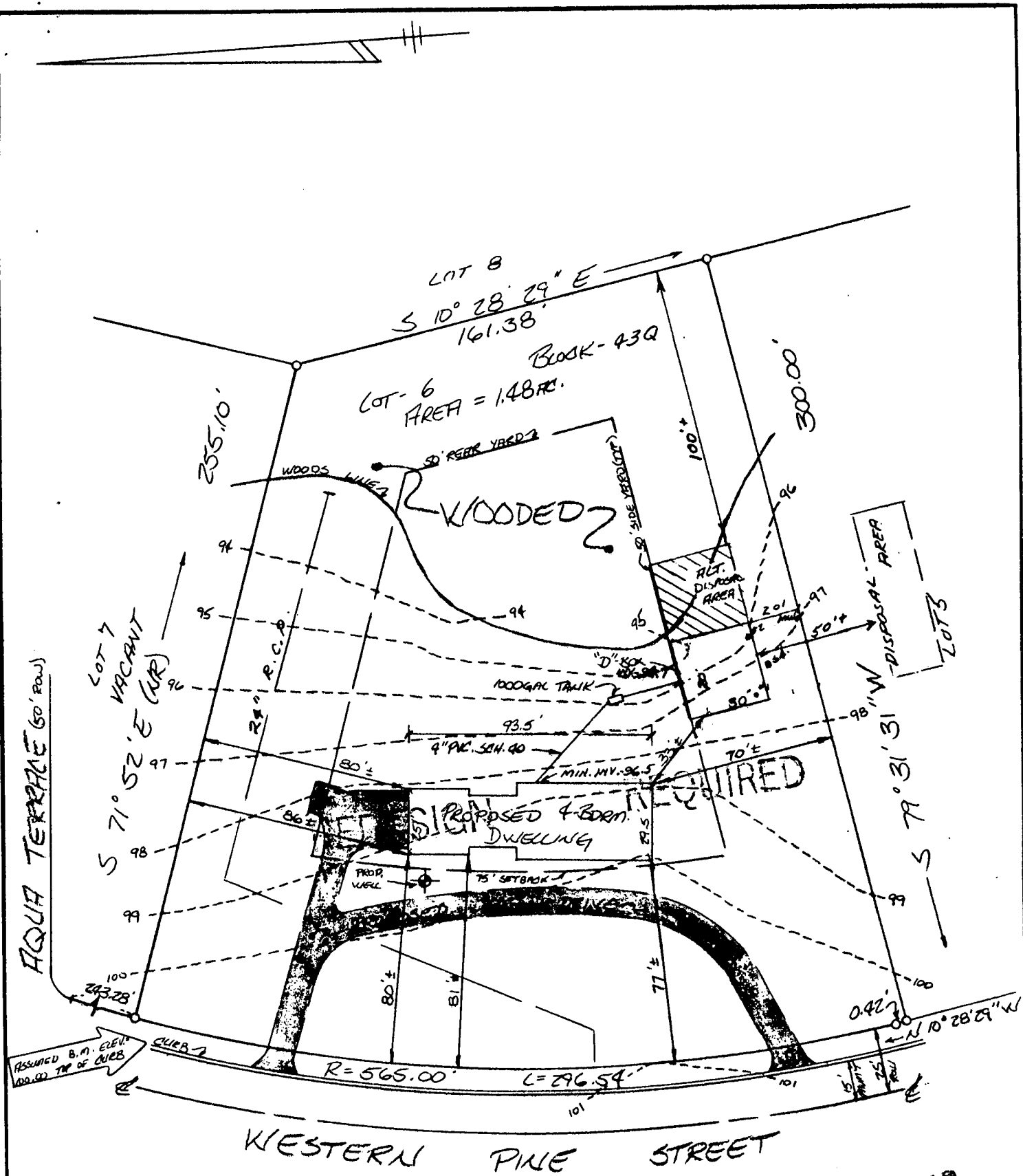
PP:dc
Enclosure

cc: Hopewell Township Planning Board
Hopewell Township Health Department
Harold A. Pearson

CIVIL, ENVIRONMENTAL AND MUNICIPAL ENGINEERING

LAND SURVEYING

PLANNING



* SEE SHEET 2/2 FOR NOTES

RECEIVED
 NOV 1 1984
 Hopewell Township Health Dept.

BRYCE M. RITTENHOUSE

PROFESSIONAL ENGINEER
 & LAND SURVEYOR #13453

"HOPWELL TOWNSHIP TAX MAP DATA"		
SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 P.O. BOX 223 NORTH POST RD.
 PRINCETON JUNCTION, NEW JERSEY 08550
 (609) 799 1906 (609) 799 1963

PROPOSED PLOT PLAN
 FOR

BALESTRIERI & PEARSON
 LOCATED

HOPWELL TOWNSHIP • MORRIS COUNTY • NEW JERSEY

FRANK L. QUINBY,
 BRYCE M. RITTENHOUSE,
 ARNOLD RYDEN JR.,
 O. GEOFFREY BROWN.

P.E. & L.S. NO. 11087
 P.E. & L.S. NO. 13453
 L.S. NO. 21223
 P.E. NO. 24327

DRAWN

BR

DATE

10/17/84

CHECK

AR

SCALE

1"=50'

REV.

CERTIFIED AS CORRECT TO:

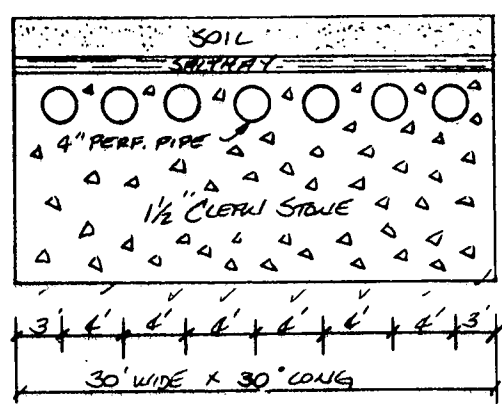
FOR BUILDING PERMIT ONLY

Bryce M. Rittenhouse 10/17/84
 DATE

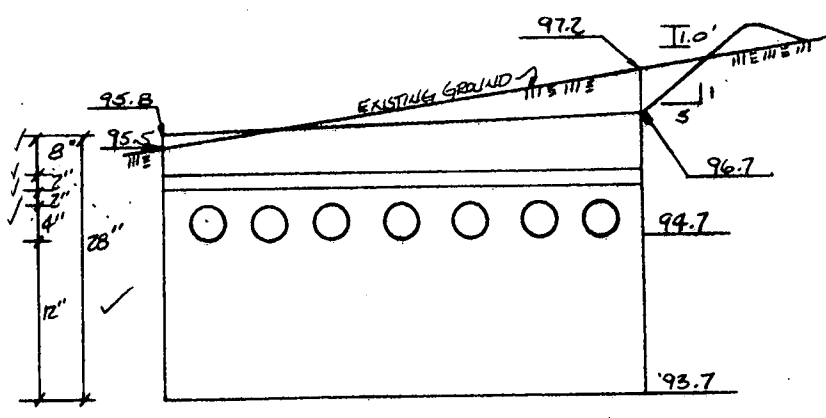
NOTES

- KNOWN AS LOT-94 AS SHOWN ON A PLAN ENTITLED "SECTION-18, ELM RIDGE PARK, WEST, HOPEWELL TOWNSHIP, MERCER COUNTY, NEW JERSEY" DATED 11-29-1983, SCALE 1"=100', PREPARED BY TRENTON ENGINEERING CO., WILLIAM C. STRATTON, P.E. & L.S. # 9170, TRENTON, N.J.
- PERCOLATION TESTS & SOIL LOG PERFORMED ON 3-6-80 BY BRYCE M. RITTENHOUSE, P.E. & L.S. #13453, AND WITNESSED BY FRANK LAZZI OF THE HOPEWELL TOWNSHIP HEALTH DEPARTMENT
- CORNERS NOT SHOWN HEREON HAVE NOT BEEN SET.
- DRIVEWAY SLOPES SHALL NOT BE GREATER THAN 10%
- NO HEAVY EQUIPMENT ALLOWED IN CONSTRUCTION AREA OF DISPOSAL BED

REDESIGN REQUIRED



TYPICAL BED DETAIL
NOT TO SCALE



TYPICAL BED SECTION
NOT TO SCALE

BRYCE M. RITTENHOUSE

PROFESSIONAL ENGINEER
& LAND SURVEYOR #13453

HOPEWELL TOWNSHIP TAX MAP DATA		
SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
P.O. BOX 223 NORTH POST RD.
PRINCETON JUNCTION, NEW JERSEY 08550
(609) 799 1906 (609) 799 1963

PROPOSED LOT PLAN
FOR
BALESTRIERI & PEARSON
LOCAL 4700
HOPEWELL TOWNSHIP - MERCER COUNTY - NEW JERSEY

FRANK L. QUINBY, P.E. & L.S. NO. 11087
BRYCE M. RITTENHOUSE, P.E. & L.S. NO. 13453
ARNOLD RYDEN JR., P.E. L.S. NO. 21223
D. GEOFFREY BROWN, P.E. L.S. NO. 24327

Bryce M. Rittenhouse 10/17/84
DATE

DRAWN	DATE
BLR	10/17/84
CHECK	SCALE
RR	AS SHOWN
REV.	

CERTIFIED AS CORRECT TO:
FOR BUILDING PERMIT ONLY

HOPEWELL TOWNSHIP
DEPARTMENT OF HEALTH

Mr. William Pearson
c/o Balestrieri & Pearson
245 Woodsville Road
Hopewell, New Jersey 08525

Block 43Q Lot 6
Location Western Pine Street
Date: November 2, 1984
Re: Septic Design

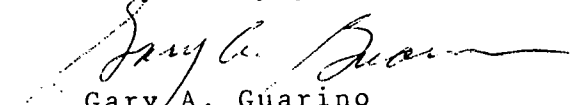
Dear Mr. Pearson:

Your application for an individual sewage disposal system for the subject property has been reviewed by this office and must be denied for the following reasons:

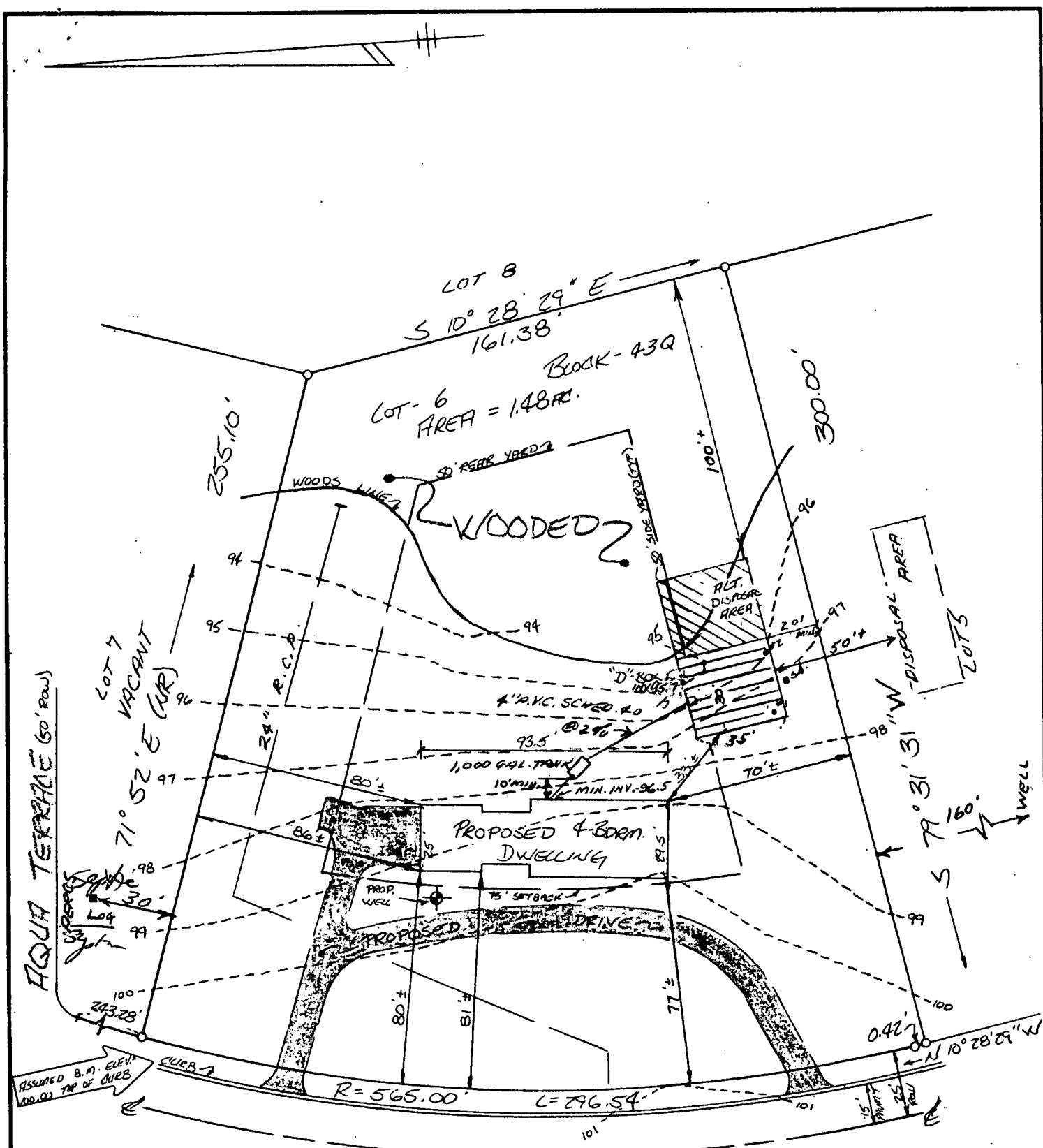
1. D'box and distribution lines--not shown on overview of system.
2. Bed as designed, would result in a bottom elevation within 36" of recorded bedrock. Filter material would be required.
3. Bed as designed would be constructed at a depth deeper than recorded for perc test #1. Filter material would be required.
4. Location of septic tank should be as near as possible to house and driveway for easy access for pumping. A min. of 50 ft. to well must be maintained accordingly.
5. Please Note: "All trees within 10 feet of disposal area shall be removed prior to construction".
6. Distance to well on Lot 5 if less than 200 ft. Otherwise, note on design--no well within 200 feet of proposed septic field.
7. Perc test location on lot 7 should be indicated in order to accurately locate well on lot 6 beyond 100 feet mark.

Required square footage of disposal bed is inaccurate. 260 sq. ft. per trench is required as per ordinance (at least 1040 sq. ft. is needed).

Very truly yours,


Gary A. Guarino
Registered Sanitarian

GAG:hc
cc: Bryce M. Rittenhouse, P.E.



APPROVED
 DATE: 11-8-84
 RECEIVED
 NOV 8 1984
 * SEE SHEET 2/2 FOR NOTES
 HOPEWELL TOWNSHIP HEALTH DEPT
 Hopewell Township Health Dept

BRYCE M. RITTENHOUSE

PROFESSIONAL ENGINEER
 & LAND SURVEYOR #13453

"HOPEWELL TOWNSHIP TAX MAP DATA"		
SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 P.O. BOX 223 NORTH POST RD.
 PRINCETON JUNCTION, NEW JERSEY 08550
 (609) 799 1906 (609) 799 1963

PROPOSED PLOT PLAN
 FOR
 BALESTRIERI & PEARSON
 LOCATED
 HOPEWELL TOWNSHIP • MERKEL COUNTY • NEW JERSEY

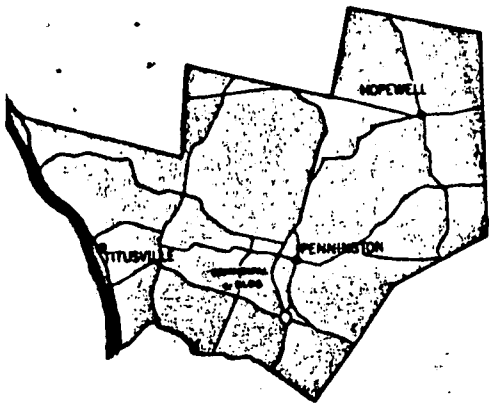
FRANK L. QUINBY, P.E. & L.S. NO. 11087
 BRYCE M. RITTENHOUSE, P.E. & L.S. NO. 13453
 ARNOLD RYDEN JR., P.E. L.S. NO. 21223
 D. GEOFFREY BROWN, P.E. NO. 24327

DRAWN
 BR
 CHECK
 BR
 REV.
 11/7/84

DATE
 10/17/84
 SCALE
 1"=50'

CERTIFIED AS CORRECT TO:
 FOR BUILDING PERMIT ONLY

Bryce M. Rittenhouse 11/7/84
 DATE



TOWNSHIP of HOPEWELL

MERCER COUNTY

RT. 546 & SCOTCH ROAD ■ TITUSVILLE, NEW JERSEY 08560

November 9, 1984

Balestrieri & Pearson
245 Woodsville Rd.
Hopewell, NJ 08525

Re: Block 43Q, Lot 6
Western Pine Street

Your application for an onsite subsurface sewage disposal system was approved with the following conditions:

1. A copy of this letter be forwarded to your construction contractor and sewage disposal system installer prior to installation of said system.
2. The house location is to be staked by a licensed surveyor or professional engineer to assure proper location and elevations as represented on the attached plan.
3. The sewage disposal system is to be located and staked prior to installation by a licensed surveyor or professional engineer to guarantee the proper alignment of the system in the area of the soil tests, and to insure it will conform to all site restrictions as represented on the attached design.
4. The required elevation of the sewage disposal system should be verified by the licensed professional engineer or surveyor, the builder and the plumbing contractor as it relates to the foundation height, the point where the sewer line exits the dwelling and the height of the septic tank. If this is a gravity system and the min. height of the sewer line is not maintained, an ejector system will be required after the septic tank.
5. An onsite conference is required with your installer and a representative from this office prior to installation of any part of this system. This should avoid any problems during the installation which can be costly to all parties concerned.
6. The design engineer must be notified at the beginning of the installation. Field measures must be made for the required as-built design. The as-built will reflect any changes caused by site conditions, construction changes and installation problems, and will provide a detailed location of the installed system so it can be located once it is covered.

Very truly yours,

Gary A. Guarino

GAG/sgr
Administrator 737-0638
Treasurer 737-0638

Assessor 737-0607
Collector 737-0630

Health Department 737-0120
Planning Board 737-0618

Clerk 737-0605
Const. & Zon. Off. 737-0612

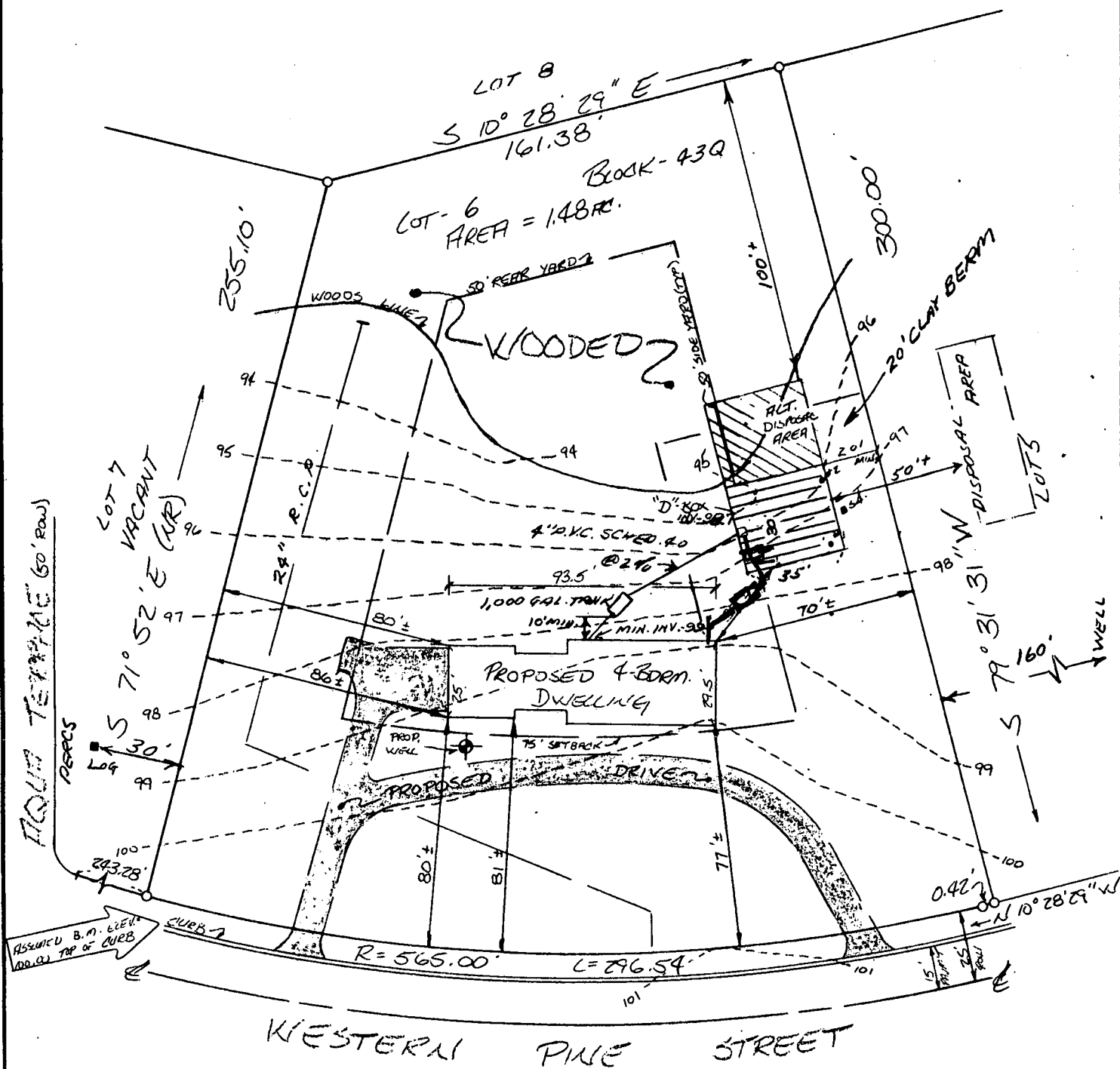
Public Works 737-0799

5/20/85 heat pump well grouting
5/20/85

RECEIVED 101 259-0278

MAY 29 1985

Hopewell Township Health Dept.



* SEE SHEET 2/2 FOR NOTES

BRYCE M. RITTENHOUSE PROFESSIONAL ENGINEER & LAND SURVEYOR #13453

"HOPWELL TOWNSHIP TAX MAP DATA"

SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.

PROFESSIONAL ENGINEERS & LAND SURVEYORS

P.O. BOX 223 NORTH POST RD.

PRINCETON JUNCTION, NEW JERSEY 08550

(609) 799 1906

(609) 799 1963

PROPOSED PLOT PLAN
FOR

BRUCESTRIERI & PEARSON
LOCATED

Hopewell Township, Mercer County, New Jersey

FRANK L. QUINBY,
BRYCE M. RITTENHOUSE,
ARNOLD RYDEN JR.,
D. GEOFFREY BROWN,

P.E. & L.S. NO. 11087
P.E. & L.S. NO. 13453
L.S. NO. 21223
P.E. NO. 24327

DRAWN

BR

DATE

10/17/84

CHECK

BR

SCALE

REV.

11/17/84

1"=50'

CERTIFIED AS CORRECT TO:

FOR BUILDING PERMIT ONLY

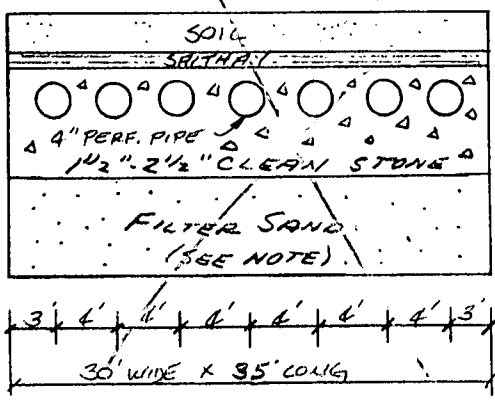
Bryce M. Rittenhouse 5/23/85
DATE

5/23/85

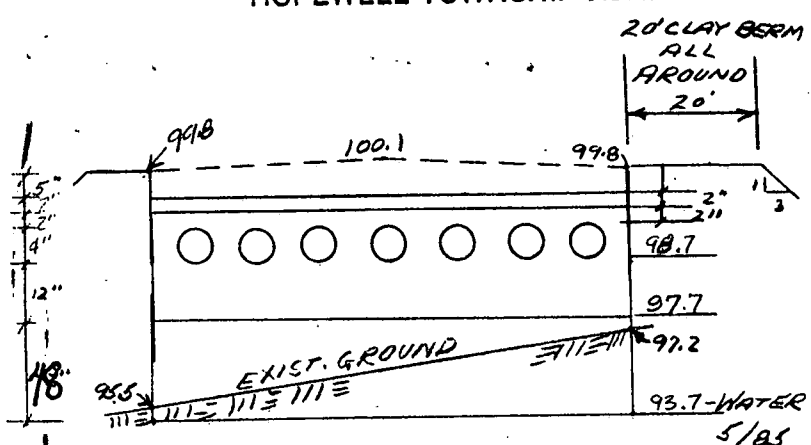
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- PERCOLATION TESTS & SOIL LOG PERFORMED ON 3-6-80 BY BRYCE M. RITTENHOUSE, P.E. & L.S. #13453, AND WITNESSED BY FRANK LAZZI OF THE HOPEWELL TOWNSHIP HEALTH DEPARTMENT
- CORNERS NOT SHOWN HEREON HAVE NOT BEEN SET.
- DRIVEWAY SLOPES SHALL NOT BE GREATER THAN 10%
- NO HEAVY EQUIPMENT FLOWED IN CONSTRUCTION AREA OF DISPOSAL BED
- FILTER SAND SHALL HAVE A CLAY CONTENT (FINER THAN .002MM) WHICH SHALL NOT BE LESS THAN 5% OR MORE THAN 12% (BY WEIGHT) OF THE PORTION OF SOIL FINER THAN 2.0MM. COARSE FRAGMENTS LARGER THAN 1/4" DIA. SHALL NOT EXCEED 15% BY VOLUME.
- ALL TREES WITHIN 10 FEET OF DISPOSAL AREA SHALL BE REMOVED PRIOR TO CONSTRUCTION.

DESIGN *Revised* APPROVED
DATE: 5-31-85
Guan
HOPEWELL TOWNSHIP HEALTH DEPT.



TYPICAL BED DETAIL
NOT TO SCALE



TYPICAL BED SECTION
NOT TO SCALE

BRYCE M. RITTENHOUSE PROFESSIONAL ENGINEER & LAND SURVEYOR #13453

HOPEWELL TOWNSHIP TAX MAP DATA		
SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
P.O. BOX 223 NORTH POST RD.
PRINCETON JUNCTION, NEW JERSEY 08550
(609) 799 1906 (609) 799 1963

PROPOSED POT PANS FOR
BALESTRIERI & PEARSON
LOCATED
HOPEWELL TOWNSHIP - MERCER COUNTY - NEW JERSEY

FRANK L. QUINBY, P.E. & L.S. NO. 11087
BRYCE M. RITTENHOUSE, P.E. & L.S. NO. 13453
ARNOLD HYDEN JR., L.S. NO. 21223
D. GEOFFREY BROWN, P.E. NO. 24327

DRAWN BY *BLR* DATE 10/17/84
CHECKED BY *BR*
REV. 11/7/84 AS SHOWN

CERTIFIED AS CORRECT TO:

FOR BUILDING PERMIT ONLY

Bryce M. Rittenhouse 5/23/85
DATE

7-25-85

Bed bottom OK

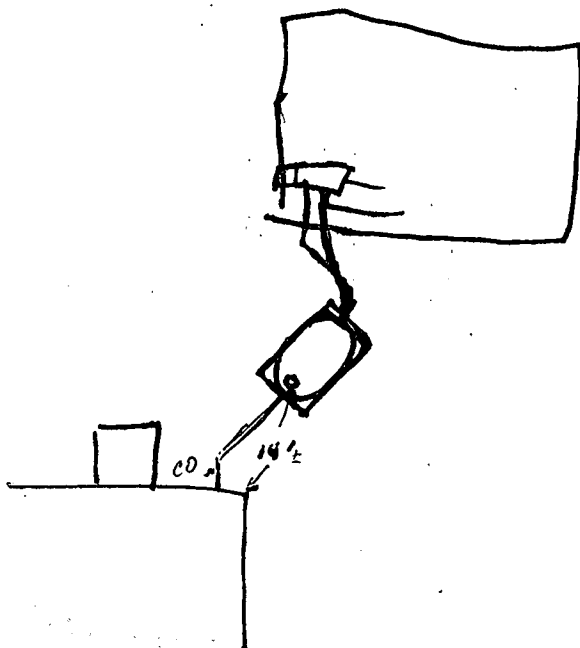
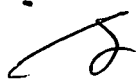
needs sand - Rain expected PM + Tomorrow



7-29-85

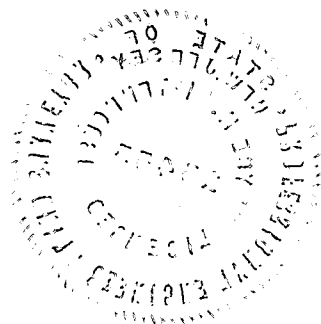
Sand OK.

7/8"



need a built + Clay beam

8-5-85 left stitches for cobuilt + Clay beam.



STATE WELL PERMIT MUST BE
SECURED PRIOR TO BOARD OF
HEALTH APPROVAL OF
APPLICATION

Office Use Only

Permit No. 10111
Date: 11/1/84
Fee Received 25.00

BOARD OF HEALTH OF HOPEWELL TOWNSHIP
ROUTE 546, TITUSVILLE, NEW JERSEY 08560

Water Well -

APPLICATION FOR PERMIT TO LOCATE AND CONSTRUCT AN INDIVIDUAL WATER SUPPLY
AND SYSTEM OR ALTER AN EXISTING WATER SUPPLY SYSTEM.

SECTION A

Owners Name (print) Balestrieri & Pearson Inc
Present Address Hopewell - Woodsville Rd - Hopewell, N.J. Telephone _____
Location of property for which this application is made Western Pine Block 43A Lot 6
Name of Contractor or well driller Samuel Stothoff Co
Address Box 306 - Flemington, N.J. Telephone 201-782-2116
Contractor [Signature] signature Owner _____ signature

SECTION B

Inspection of construction was made on the following date 5-2-85
Length of Casing 601 Method of grouting of annular space gravity placement
Installation and construction of well is certified to be in accordance with Hopewell Township Ordinance and N.J.D.E.P. Standards for Construction of Public non-community and non-public water systems.
[Signature] Inspector

SECTION C

WELL DATA AS COMPLETED
N.J. State well drilling permit # 28-15060 dated April 1, 1985
Length of casing (to extend 12" min. above Final Grade) 1 1/2 ft.
Depth 250 ft.
Water level below top of casing 40 ft.
Diameter of Well 6 in.
Estimated capacity of well 20 gpm
Length of pumping test 1 hr.

I certify that the above information is correct and the well has been drilled, sealed, and disinfected according to the latest Hopewell Township Ordinance.

May 25, 1985 Dated [Signature] (Kintzel) Well driller 1085 License #

Pump Data

Type of Pump Sub Actual Pump Setting 147 ft.
Manufacturer Grinnell-Dix Depth of jet below top of casing X ft.
Model 6211-34CFY Tank Data
Horse power 1/2 Type of Tank Diaphragm
Number of Stages 10 Capacity 86 gal.
Lowest Possible Setting 160 ft. Manufacturer Xtrol WX-252
Type of Pipe 1" Galv

I certify the above information is correct and the installation has been in accordance with manufacturer specifications and all required codes.

This must be completed and filed prior to
issuance of a certificate of occupancy.

Edward Emery 1085
Pump Installer License No.



1205 INDUSTRIAL HIGHWAY • P.O. BOX 514
SOUTHAMPTON, PA. 18966 • 215/355-3900

ACCOUNT NO: R00062

RE: Z02085

WILLIAM PEARSON
245 WOODSVILLE ROAD
HOPEWELL, N.J.

43 Q/6

REPORT NUMBER : 86026106

REPORT DATE : 07/18/86

SAMPLE DATE : 07/09/86

SAMPLE TIME : 11:45AM

SAMPLE TEMP : NA F

SAMPLED BY : JC

COLLECTED BY : JC

ANALYSIS DATE : 07/10/86

P.O. NUMBER :

PWS-ID NUMBER :

HOPEWELL TWP.
ROUTE 546, SCOTCH RD
TITUSVILLE, NJ

08560

08525

466-0095
RECEIVED
JUL 22 1986
Hopewell Township Health Dept.

TEST NUMBER	W0001-PML	W0005-MN	W0100-UNI	W0136-MGL	W0147-MGL	W0229-MGL	W0230-MGL
TEST NAME	SPC	COLI	PH	NITRATE-N*	CHLORINE	IRON	MANGANESE
UNIT MEASURE	/ML	MPN/100ML	UNITS	MG/L	MG/L	MG/L	MG/L

SAMPLE/CONTAINER

WATER SAMPLE - OUTSIDE FAUCET 1600 9:2 7:20 5:4 0:0 0:26 <0:05

302436 QC SUPPLIED CONTAINER

* NITRATE-N = NITRATE AS N

SAMPLE/ COMMENT NOTE: EACH SAMPLE ABOVE IS GIVEN A UNIQUE ID# (PRINTED JUST BELOW THE SAMPLE)

SAMPLED BY JOAN CUMMINGS

302436 QC# 48945

302436 ALL TESTING IS CONDUCTED IN ACCORDANCE WITH E.P.A. METHODOLOGY.

THE IRON CONCENTRATION IS BELOW THE EPA LIMIT OF 0.30 MG/L. IF DIS-COLORATION EXISTS CONDITIONING MAY BE INSTALLED TO FURTHER LOWER THE IRON CONCENTRATION.

NITRATE RESULTS ARE WITHIN THE EPA RECOMMENDED LIMIT OF 10.0 MG/L.

COLIFORM BACTERIA WERE DETECTED IN THE WATER SUPPLY. THEREFORE, THE WATER SUPPLY IS BACTERIOLOGICALLY UNSAFE FOR DRINKING.

SINCE WE COULD NOT REACH YOU BY PHONE, WE HAVE ENCLOSED INFORMATION WHICH MAYBE HELPFUL TO YOU IN RESOLVING YOUR WATER SUPPLY PROBLEM. PLEASE CONTACT US IF YOU HAVE ANY QUESTIONS OR NEED ADDITIONAL INSTRUCTIONS.

Allen D. Schopbach
Allen D. Schopbach, President

> - Greater Than

< - Less Than



1205 INDUSTRIAL HIGHWAY • P.O. BOX 514
SOUTHAMPTON, PA. 18966 • 215/355-3900

ACCOUNT NO: 202459

BALEST RIERI & PEARSON
245 WOODVILLE RD.
HOPEWELL, N.J.

08525

LOT #6
Block 43 Q

REPORT NUMBER : 86038215

REPORT DATE : 09/23/86

SAMPLE DATE : 09/17/86

SAMPLE TIME : 11:20AM

SAMPLE TEMP : NA F

SAMPLED BY : JC

COLLECTED BY : JC

ANALYSIS DATE : 09/18/86

P.O. NUMBER :

PWS-ID NUMBER :

TEST NUMBER	TEST NAME	UNIT MEASURE	W0001-PML	W0005-MPN	W0147-MGL
			SPC	COLI	CHLORINE
			/ML	MPN/100ML	MG/L

SAMPLE/CONTAINER

VACANT, WESTERN PINE ST, ELM RIDGE PARK 3100 <2.2 0.0
339906 OUTSIDE FCT

SAMPLE# COMMENT NOTE: EACH SAMPLE ABOVE IS GIVEN A UNIQUE ID# (PRINTED JUST BELOW THE SAMPLE)

SAMPLED BY JOAN CUMMINGS

339906 ALL TESTING IS CONDUCTED IN ACCORDANCE WITH E.P.A. METHODOLOGY.

NO COLIFORM BACTERIA WERE DETECTED, THEREFORE THE WATER SUPPLY IS
BACTERIOLOGICALLY SAFE.

RECEIVED
OCT 30 1986
Hopewell Township Health Dept.

Allen D. Schopbach
Allen D. Schopbach, President

> - Greater Than

< - Less Than

CALL BEFORE YOU DIG
(800) 272-1000
FOR UTILITY LOCATIONS

No 10225

April 17

19 85

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

PERMIT

PERMISSION IS HEREBY GRANTED TO Balestrieri and Pearson, Inc.

To install two (2) heat loop system wells

AT Block 43Q, Lot 6, Western Pine

NATURE OF PROPOSED WORK _____

FEE \$50.00

HOPEWELL TOWNSHIP HEALTH DEPARTMENT

BY



STATE WELL PERMIT MUST BE
SECURED PRIOR TO BOARD OF
HEALTH APPROVAL OF
APPLICATION

Office Use Only

Permit No. 10225
Date: 4-17-85
Fee Received 25.00

#1 Heat Pump
Well (Loop System)

BOARD OF HEALTH OF HOPEWELL TOWNSHIP
ROUTE 546, TITUSVILLE, NEW JERSEY 08560

APPLICATION FOR PERMIT TO LOCATE AND CONSTRUCT AN INDIVIDUAL WATER SUPPLY
AND SYSTEM OR ALTER AN EXISTING WATER SUPPLY SYSTEM.

SECTION A

Owners Name (print) Balestrieri-Pearson Inc
Present Address Hopewell - Woodville Rd - Hopewell, NJ Telephone _____
Location of property for which this application is made Western Pine Block 430 Lot 6
Name of Contractor or well driller Samuel Stotholt Co
Address Box 306 - Flemington, NJ Telephone 701-782-2116
Contractor Sam Stotholt signature Owner Wm Pearson signature

SECTION B

Inspection of construction was made on the following date 4-30-85
Length of Casing 60' Method of grouting of annular space gravity placed
Installation and construction of well is certified to be in accordance with Hopewell Township Ordinance and N.J.D.E.P. Standards for Construction of Public non-community and non-public water systems.
Ray C. Brown Inspector

SECTION C

WELL DATA AS COMPLETED

N.J. State well drilling permit # 28-15062 dated April 1, 1985
Length of casing (to extend 12" min. above Final Grade) 1 1/2 ft.
Depth 390' ft.
Water level below top of casing 55' ft.
Diameter of Well 6" in.
Estimated capacity of well 20 gpm
Length of pumping test 1 hr.

I certify that the above information is correct and the well has been drilled, sealed, and disinfected according to the latest Hopewell Township Ordinance.

May 29, 1986 Dated James King Well driller 1085 License #

Pump Data

Type of Pump No Pump Actual Pump Setting _____ ft.
Manufacturer _____ Depth of jet below top of casing _____ ft.
Model _____ Tank Data
Horse power _____ Type of Tank _____
Number of Stages _____ Capacity _____ gal.
Lowest Possible Setting _____ ft. Manufacturer _____
Type of Pipe _____

I certify the above information is correct and the installation has been in accordance with manufacturer specifications and all required codes.

This must be completed and filed prior to
issuance of a certificate of occupancy.

Pump Installer

License No.

STATE WELL PERMIT MUST BE
SECURED PRIOR TO BOARD OF
HEALTH APPROVAL OF
APPLICATION

Office Use Only

Permit No. 10225
Date: 4-17-86
Fee Received 25⁰⁰

2 H&P G
Well (Loop System)

BOARD OF HEALTH OF HOPEWELL TOWNSHIP
ROUTE 546, TITUSVILLE, NEW JERSEY 08560

APPLICATION FOR PERMIT TO LOCATE AND CONSTRUCT AN INDIVIDUAL WATER SUPPLY
AND SYSTEM OR ALTER AN EXISTING WATER SUPPLY SYSTEM.

SECTION A

Owners Name (print) Balestrieri Pearson Inc
Present Address Hopewell-Verdall Rd - Hopewell, NJ Telephone _____
Location of property for which this application is made Western Pine Block 43Q Lot 6
Name of Contractor or well driller Samuel Stokhoff Co
Address Box 306 Flemington NJ Telephone 782-2116
Contractor [Signature] signature Owner W. Pearson signature 9555

SECTION B

Inspection of construction was made on the following date 5-1-85
Length of Casing 100' Method of grouting of annular space gravity
Installation and construction of well is certified to be in accordance with Hopewell Township Ordinance and N.J.D.E.P. Standards for Construction of Public non-community and non-public water systems.
[Signature] Inspector

SECTION C

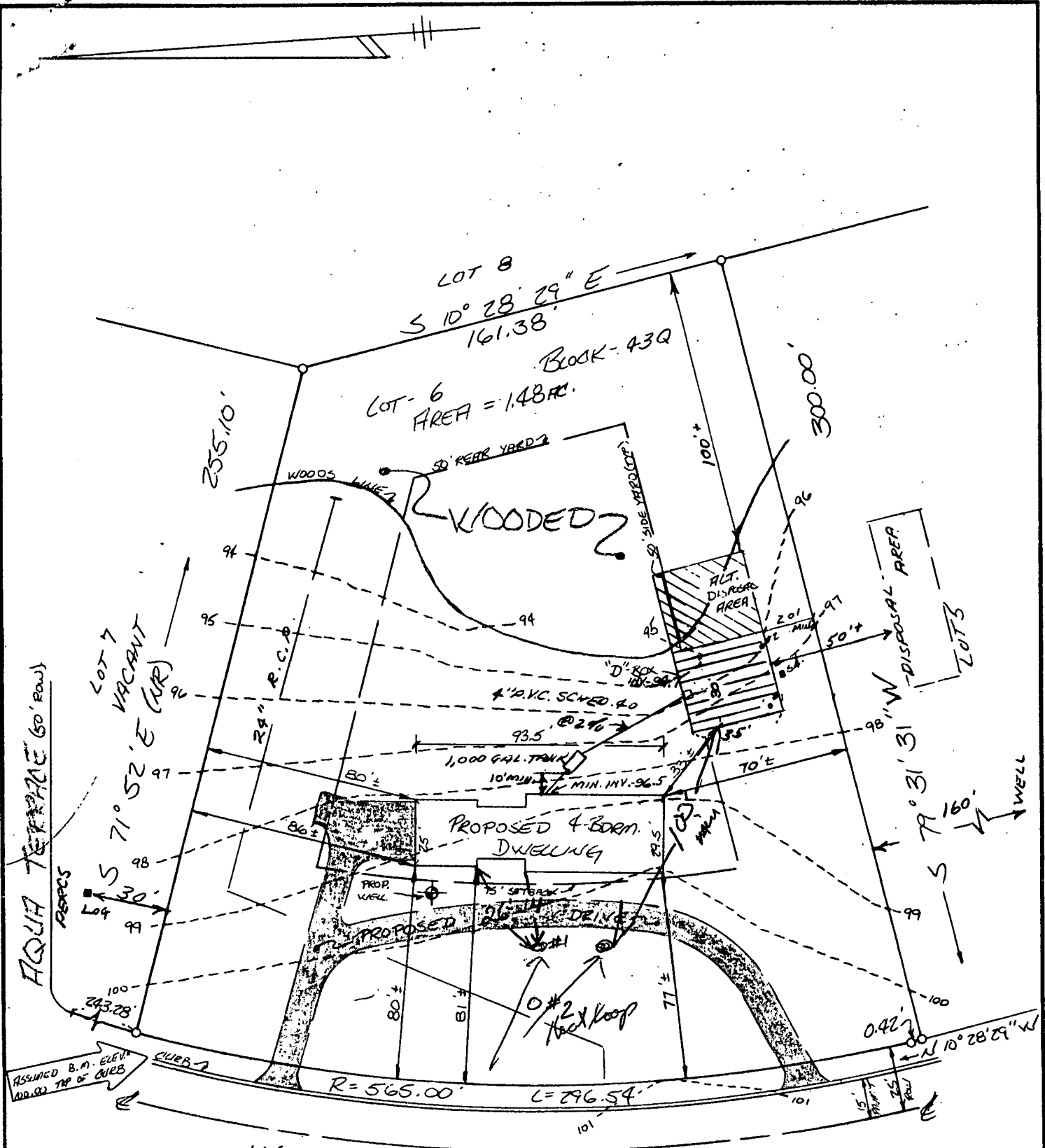
WELL DATA AS COMPLETED
N.J. State well drilling permit # 28-15061 dated April 1, 1985
Length of casing (to extend 12" min. above Final Grade) 1 1/2 ft.
Depth 340 ft.
Water level below top of casing 40 ft.
Diameter of Well 6" in.
Estimated capacity of well 20 gpm
Length of pumping test (H&P Loop Cased In) 1 hr.

I certify that the above information is correct and the well has been drilled, sealed, and disinfected according to the latest Hopewell Township Ordinance.
May 1, 1986 Dated James Kuntzel Well driller 1085 License #

Pump Data
Type of Pump No P P Actual Pump Setting _____ ft.
Manufacturer _____ Depth of jet below top of casing _____ ft.
Model _____ Tank Data
Horse power _____ Type of Tank _____
Number of Stages _____ Capacity _____ gal.
Lowest Possible Setting _____ ft. Manufacturer _____
Type of Pipe _____

I certify the above information is correct and the installation has been in accordance with manufacturer specifications and all required codes.
This must be completed and filed prior to issuance of a certificate of occupancy.

Pump Installer License No.



* SEE SHEET 2/2 FOR NOTES

466-0095

BRYCE M. RITTENHOUSE

PROFESSIONAL ENGINEER
& LAND SURVEYOR #13453

"HOPEWELL TOWNSHIP TAX MAP DATA"

SHEET	BLOCK	LOT
18	43Q	6

PRINCETON JCT. ENGINEERING CO.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
 P.O. BOX 223 NORTH POST RD.
 PRINCETON JUNCTION, NEW JERSEY 08550
 (609) 799 1906 (609) 799 1963

PROPOSED PLOT PLAN
 FOR
 SALESTRIERI & PEARSON
 LOCATED
 HOPEWELL TOWNSHIP • MERKER COUNTY • NEW JERSEY

FRANK L. QUINBY, P.E. & L.S. NO. 11087
 BRYCE M. RITTENHOUSE, P.E. & L.S. NO. 13453
 ARNOLD RYDEN JR., L.S. NO. 21223
 D. GEOFFREY BROWN, P.E. NO. 24327

DRAWN
BR
 CHECK
BR
 REV.
11/7/84
 DATE
11/7/84

CERTIFIED AS CORRECT TO:
 FOR BUILDING PERMIT ONLY
 SCALE
1"=50'