

FREEHOLD AREA HEALTH DEPARTMENT

*Serving Freehold Township, Freehold Borough, and Wall Township
(732)-294-2060*

PERMIT TO LOCATE AND CONSTRUCT OR ALTER AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

No: 2022-0025

Permission is hereby granted to:

Owner/Contractor: PHILLIPS, KEMAR R & PALOMA FELICIANO

Address: 20 FOUNTAYNE LANE
MANALAPAN, NJ 07726

Phone:

To locate and construct an individual sewage disposal system in accordance with the current "Standards for Individual Subsurface Sewage Disposal Systems," located at:

Physical Address: 20 FOUNTAYNE LANE

Block: 8001

Lot: 1

Township: Manalapan Township

Type of System: Alter - Residential

Bedrooms: 5

Design Flow: 800.00

Date of Issue: 04/04/2022

Expiration Date: 04/03/2024

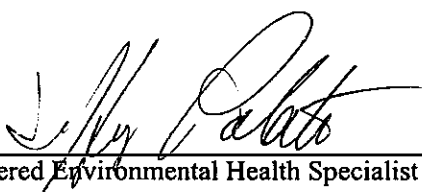
Pmt Type

Check #: 0

Permit Fee 0

Date Paid:

Date of Renewal:


Registered Environmental Health Specialist 04/04/2022

* 11/23/22 See NJDEP TWA 22-0325

FREEHOLD AREA HEALTH DEPARTMENT

SERVING
FREEHOLD TOWNSHIP **FREEHOLD BOROUGH WALL TOWNSHIP
** MANALAPAN TOWNSHIP ****

**1 MUNICIPAL PLAZA
FREEHOLD, NEW JERSEY 07728-3099**

**TELEPHONE: 732-294-2060
FAX: 732-462-2340**

INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN APPROVAL

☒ Residential

☐ Commercial

☐ New construction
☒ Alteration

☐ Alteration w/ expansion
☐ Repair existing system

☐ Advanced technology

Block: 8001 Lot: 1

Municipality: Manalapan Township

Address: 20 Fountayne Lane

Bedroom Design: 5

Gallons/Day: 800

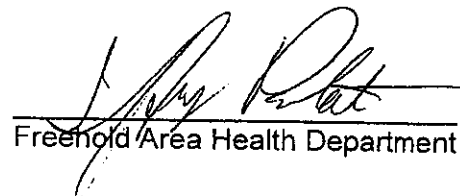
It is the opinion of the Board of Health that the proposed individual sewage disposal system for the above referenced property is expected to function satisfactorily and without violation if properly maintained. The system must be installed in accordance with the approved plans designed by G Barkley Engineering, dated/revised 2/4/2022.

Unless otherwise noted below, three inspections are required during the installation:

1. After excavation and prior to the placement of stone or sand fill.
2. After completion of construction prior to backfilling.
3. After backfill and finished grading.

NOTE: Certifications of construction and as-built drawings may be required from a licensed engineer and/or contractor prior to the issuance of a certificate of compliance. It is the responsibility of the applicant to supply the installer with a copy of this notice and the approved plans. To prevent delays, inspections should be scheduled at least 24 hours in advance by calling (732) 294-2060.

Date: 3/30/2022


Freehold Area Health Department

ADDITIONAL INSPECTIONS OR INFORMATION:

New 2000 gallon septic tank discharging to new 1302 sq ft disposal bed as designed. The approval of ejector pump; without additional disposal bed area is dependent upon no expansion of number of bedrooms.

**APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM**

FORM 1 - GENERAL INFORMATION

1. **Type of Permit Needed** (Check application categories)
☐ a. New Construction ☒ b. Alteration/No Expansion or Change of use
☐ c. Alteration/Expansion or Change in Use ☐ d. Alteration/Malfunctioning System
☐ e. Repair (in-kind replacement) Malfunctioning System
☐ f. Repair (in-kind replacement) System not malfunctioning
☐ g. Deviation from Standards ☐ h. Repairs to Existing System
2. **Location of Project:**
Municipality Manalapan Twp. Block No. 8001 Lot No. 1
Street Address 20 Fountayne Lane Zip
3. **Name of Applicant** (print): Kemar Phillips
4. **Applicant's Present Address:** 20 Fountayne Lane, Manalapan, NJ 07727
5. **Applicant's Phone Number:** 201-491-7133
6. **Type of Facility:**
☒ Residential ☐ Commercial/Institutional
Specify Type of Establishment:
7. **Type of Wastes to be Discharged:**
☒ Sanitary Sewage
☐ Industrial Waste
☐ Other - Specify Type:
8. **If d. or e. above are checked**, indicate the type of malfunction and its cause (check all that apply):
☐ Contamination of nearby wells or surface water bodies by sanitary sewage or effluent,
☐ Ponding or breakout of sanitary sewage or effluent onto the surface of the ground,
☐ Seepage of sanitary sewage or effluent onto portions of building below ground,
☐ Back-up of sanitary sewage into the building served, which is not caused by a physical blockage of the internal plumbing,
☐ Any manner of leakage observed from components that are not designed to emit sanitary sewage or effluent,
☐ Direct discharges to ground water (no zone of treatment)
Describe the cause of the malfunction:
9. **Please expand on Question #1, above, by checking if any of the following apply):**
☐ A privy, outhouse, latrine or pit toilet is present, a system must be installed,
☐ A system must be upgraded as part of a real property transfer,
☐ A cesspool has been identified during a real property transfer and a conforming system must be installed,
☐ A malfunctioning cesspool has been identified and a conforming system must be installed.
10. **Other Approvals/Certification/Waivers/Exemptions** (Attach to Application)
☐ Pinelands Commission
☐ U.S. Army Corps of Engineers
☐ N.J.D.E.P. - Bureau of Flood Plain Management
☐ Other - Specify:
11. I hereby certify that the information furnished on Form I of this application is true. I am aware that false swearing is a crime in this State and subject to prosecution.

Signature of Applicant

Date 2/8/2022

FOR AGENCY USE ONLY

☐ Application Denied - Reason for Denial/Citation of Rules Violated:

☐ Application Approved ☐ Application Approved Subject to Approval by N.J.D.E.P.

Date of Action Signature of Authorized Agent

Name and Title

COUNTY/MUNICIPALITY Monmouth/Manalapan Twp. Block 8001, Lot 1
APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

FORM 2A - GENERAL SITE EVALUATION DATA

1. Name of Site Evaluator (print): John Luyber
2. Business Address of Site Evaluator: 19 Hopkins Rd.
New Egypt, NJ 08533
3. Business Phone Number of Site Evaluator: 732-690-4643
4. Special Site Limitations Identified (Check appropriate Categories)
☐ Flood Plains ☐ Bedrock Outcrops ☐ Wetlands ☐ Excessively Stony
☐ Disturbed Ground ☐ Sink Holes ☐ Sand Dunes ☐ Steep Slopes
☐ Other - Specify _____
5. Soil logs - Enter on form 2b - Use one sheet for each soil log.
6. Considerations Relating to Disturbed Ground:
 - a) Type of Disturbance (check appropriate categories)
☐ Filled Area ☐ Excavated Area ☐ Re-graded Area ☐ Subsurface Drains
☐ Other-Specify _____
 - b) Pre-existing Natural Ground Surface
Elevation Relative to Existing Grade Surface _____
Method of Identification _____
 - c) Suitability of Disturbed Ground
☐ Unsuitable: Objects Subject to Disintegration or Change in Volume
☐ Excessively Coarse
☐ Proctor Test performed - % Standard Proctor Density = _____
7. Hydraulic Head Test:
 - a) Hydraulically Restrictive Horizon: Depth to Bottom _____
 - b) Piezometer A: Depth to Bottom ☐ Depth of Water Level(24 hrs) _____
 - c) Piezometer B: Depth to Bottom ☐ Depth of Water Level(24 hrs) _____
 - d) Witnessed by _____ Signature _____ Date _____
8. Attachments (Check items included):
☒ Site Plan
☐ Key Map Showing location of Site On U.S.G.S. Quadrangle or Other Accurate Map
☐ Key Map Showing Location of Site on U.S.D.A. Soil Survey Map
☐ Other - Specify _____
9. I hereby certify that the information furnished on Form 2A of this application (and the 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.

Signature of Soil Evaluator _____ Date 2/10/22

Signature of Professional Engineer _____ License # 34675

COUNTY/MUNICIPALITY Monmouth/Manalapan Twp.

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR

Block 8001

AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Lot 1

FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number SL-1 Method (Check one): ☒ Profile pit ☐ Boring

2. Soil Log SL-1 Performed 1/22/20

Depth (Inches) Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
Top to bottom Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
Abundance, Size and Contrast, If Present

0 - 10" 10YR 3/3 Dark brown sandy loam topsoil
10 - 72" 10YR 4/4 Dark yellowish brown clay loam, moderate subangular blocky, moist, friable, heavy.
72 - 120" 5Y 4/3 Olive and 10YR 4/3 Brown sandy loam, weak subangular blocky, moist, friable, 5% ironstone gravel. Glauconitic.
> 120" Stopped test No Groundwater

3. **Ground Water Observations:**

☐ Seepage - Indicate Depth _____
☐ Pit/Boring Flooded - Depth after _____ Hours _____

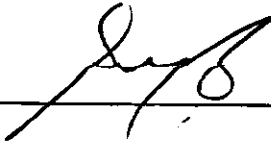
4. **Soil Limiting Zones (Check Appropriate Categories)**

☐ Fractured Rock Substratum - Depth to Top _____
☐ Massive Rock Substratum - Depth to Top _____
☐ Excessively Coarse Horizon - Depth Top to Bottom _____
☐ Excessively Coarse Substratum - Depth Top to Bottom _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom _____
☐ Hydraulically Restrictive Substratum - Depth to Top _____
☐ Perched Zone of Saturation - Depth to Top _____
☐ Regional Zone of saturation - Depth to Top _____

5. **Soil Suitability Classification:** I

6. I hereby certify that the information furnished on form 2B of this application is true and accurate. I am aware that the falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A *et seq.*) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date 2/10/22

Signature of Professional Engineer  _____ License # 34675

COUNTY/MUNICIPALITY Monmouth/Manalapan Twp.

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR

Block 8001

AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Lot 1

FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number SL-2 Method (Check one): ☒ Profile pit ☐ Boring

2. Soil Log SL-2 Performed 1/22/20

Depth (Inches) Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
Top to bottom Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
Abundance, Size and Contrast, If Present

0 - 10" 10YR 3/3 Dark brown sandy loam topsoil

10 - 44" 10YR 4/4 Dark yellowish brown clay loam, moderate subangular blocky, moist, friable. Heavy.

44 - 84" 5Y 4/3 Olive and 10YR 4/3 Brown sandy loam, weak subangular blocky, moist, friable, 5% ironstone gravel. Glauconitic. *4-3*

84 - 120" 5YR 4/3 Reddish brown clay loam, moderate subangular blocky, moist, friable, heavy. *4-1*
> 120" Stopped test No Groundwater

3. Ground Water Observations:

☐ Seepage - Indicate Depth _____
☐ Pit/Boring Flooded - Depth after _____ Hours _____

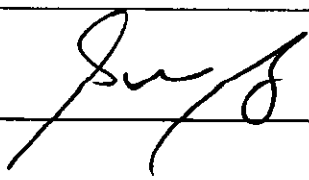
4. Soil Limiting Zones (Check Appropriate Categories)

☐ Fractured Rock Substratum - Depth to Top _____
☐ Massive Rock Substratum - Depth to Top _____
☐ Excessively Coarse Horizon - Depth Top to Bottom _____
☐ Excessively Coarse Substratum - Depth Top to Bottom _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom _____
☐ Hydraulically Restrictive Substratum - Depth to Top _____
☐ Perched Zone of Saturation - Depth to Top _____
☐ Regional Zone of saturation - Depth to Top _____

5. Soil Suitability Classification: **I**

6. I hereby certify that the information furnished on form 2B of this application is true and accurate. I am aware that the falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A *et seq.*) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date 2/10/22

Signature of Professional Engineer  _____ License # 34675

COUNTY/MUNICIPALITY Monmouth/Manalapan Twp.

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR

Block 8001

AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Lot 1

FORM 2B - SOIL LOG AND INTERPRETATION:

1. Log Number SL-3 Method (Check one): ☒ Profile pit ☐ Boring

2. Soil Log SL-3 Performed 1/22/20

Depth (Inches) Munsell Color Name and Symbol; Estimated Text Class; Estimated Volume %
Top to bottom Coarse Fragments, If Present; Structure; Moist or Dry Consistence; Mottling
Abundance, Size and Contrast, If Present

0 - 10" 10YR 3/3 Dark brown sandy loam topsoil
10 - 57" 10YR 4/4 Dark yellowish brown clay loam, moderate subangular blocky, moist, friable. Heavy.
57 - 90" 10YR 6/4 Light yellowish brown sandy loam, weak subangular blocky, moist, friable.
90 - 120" 5Y 4/3 Olive clay loam, weak subangular blocky, moist, friable,
> 120" Stopped test No Groundwater

3. **Ground Water Observations:**

☐ Seepage - Indicate Depth _____
☐ Pit/Boring Flooded - Depth after _____ Hours _____

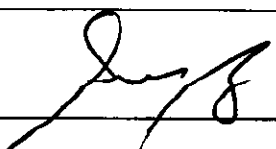
4. **Soil Limiting Zones** (Check Appropriate Categories)

☐ Fractured Rock Substratum - Depth to Top _____
☐ Massive Rock Substratum - Depth to Top _____
☐ Excessively Coarse Horizon - Depth Top to Bottom _____
☐ Excessively Coarse Substratum - Depth Top to Bottom _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom _____
☐ Hydraulically Restrictive Substratum - Depth to Top _____
☐ Perched Zone of Saturation - Depth to Top _____
☐ Regional Zone of saturation - Depth to Top _____

5. **Soil Suitability Classification: I**

6. I hereby certify that the information furnished on form 2B of this application is true and accurate. I am aware that the falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A *et seq.*) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date 3/10/22

Signature of Professional Engineer  _____ License # 34675

COUNTY/MUNICIPALITY Monmouth/Manalapan Twp. Block 8001, Lot 1

**APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM**

FORM 3A - SOIL PERMEABILITY DATA

Assign a number for each test and a letter for each test replicate. Show test data and calculations on Form 3b, 3c, 3d, 3e, 3f, or 3g. Use one sheet for each separate test or test replicate.

1. **Summary of Data-** Enter data for each test on a separate line.

Type of Test	Test (number)	Replicate (letter)	Depth (inches)	Results*
Soil Perm. Class	SL-2	A & B	44 - 84"	K3
Soil Perm. Class	SL-2	A & B	84 - 120"	K1

*For tube permeameter, pit-bailing and piezometer tests report results in inches per hour. For Soil permeability class rating give soil permeability class number. For percolation test report results in minutes per inch. For basin flood test report results as positive if basin drains completely within 24 hours after second filling, negative otherwise.

2. **Design Permeability/Percolation Rate:** Specify Test Number
___ Average of Test Replicates ___ Single Replicate ___ Slowest of Replicates

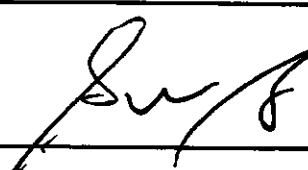
3. **Type of Limiting Zone Identified** **Test Number**

4. **Attachments** (Check items included):

___ Form 3b - Tube Permeameter Test Data- Number of Sheets ___
☒ Form 3c - Soil Permeability Class Rating Test Data - Number of Sheets 4
___ Form 3d - Percolation Test Data - Number of Sheets ___
___ Form 3e - Pit-bailing Test Data - Number of Sheets ___
___ Form 3f - Piezometer Test Data - Number of Sheets ___
___ Form 3g - Basin Flood Test Data - Number of Sheets ___

5. I hereby certify that the information furnished on Form 3A of this application (and the attachments hereto) 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.

Signature of Soil Evaluator _____ Date 2/10/22

Signature of Professional Engineer  _____ License # 34675

SOIL PERMEABILITY CLASS RATING DATA

Date Collected: 1/22/2020
Collected By: JL
Tested By: GB

Block: 8001
Lot: 1

Job #: -
Location: 20 Fountayne Ln
Lab ID #: -
Municipality: Manalapan
County: Monmouth

1. Test Number: 1

Replicate (Letter): A

2. Sample Identification: Soil Log 2 at 44-84"

3. Coarse Fragment Content:

Total Weight of Sample, (W.T.) = 386.6 grams
Weight of Material Retained on 2 mm sieve, (W.C.F.) = 6.9 grams
Weight % Coarse Fragment (W.C.F./W.T. x 100), (Wt.) = 1.8 %

4. Oven Dry Weight (24 hrs @ 105° C) of 40 gram Air Dry Sample, Wt. = 40.00 grams

	Direct Reading	Temp. F°	Temp. Corrected to 68°F
5. Hydrometer Calibration at 40 seconds, Rc =	<u>4.0</u>	<u>67</u>	<u>3.8</u>
6. Hydrometer Reading - 40 seconds, R1 =	<u>10.5</u>	<u>70</u>	<u>10.9</u>
7. Corrected Hydrometer Reading, R1' =	<u>6.5</u>		<u>7.1</u>
8. Hydrometer Reading - 2 hours, R2 =	<u>8.5</u>	<u>71</u>	<u>9.1</u>
9. Corrected Hydrometer Reading, R2' =	<u>4.5</u>		<u>5.3</u>

10. % Sand = (Wt. - R1')/ Wt. x 100 = 82.3 %

11. % Clay = (R2'/Wt. x 100) = 13.3 %

12. Sieve Analysis:

a. Oven Dry Weight (2 hrs., 105° C) Total Sand Fraction (Soil Retained on 0.045 mm Sieve)= 29.80 grams
b. Weight of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve)= 13.80 grams
c. % Fine Plus Very Fine Sand (a/b x 100) = 46.3 %

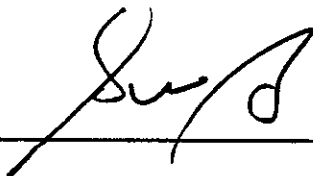
13. Soil Morphology (Natural Soil Samples Only):

Structure of Horizon Tested moderate subangular blocky
Consistence of Soil Horizon Tested: Dry X Moist

14. Soil Permeability Class Rating (From NJAC 7:9A-6.3) (based upon textural analysis of this replicate) = K3

I hereby certify that the test data furnished above is true and accurate. I am aware that falsification of this data is a violation of the Water Pollution Control Act (NJSA 58:104-1, et seq.) and is subject to penalties as prescribed in NJAC 7:14-8.

Engineer Signature



Date

2/10/22

SOIL PERMEABILITY CLASS RATING DATA

Date Collected: 1/22/2020
Collected By: JL
Tested By: GB
Block: 8001
Lot: 1

Job #: -
Location: 20 Fountayne Ln
Lab ID #: -
Municipality: Manalapan
County: Monmouth

1. Test Number: 1

Replicate (Letter): B

2. Sample Identification: Soil Log 2 at 44-84"

3. Coarse Fragment Content:

Total Weight of Sample, (W.T.) = 386.6 grams
Weight of Material Retained on 2 mm sieve, (W.C.F.) = 6.9 grams
Weight % Coarse Fragment (W.C.F./W.T. x 100), (Wt.) = 1.8 %

4. Oven Dry Weight (24 hrs @ 105° C) of 40 gram Air Dry Sample, Wt. = 40.00 grams

	Direct Reading	Temp. F°	Temp. Corrected to 68°F
5. Hydrometer Calibration at 40 seconds, Rc =	<u>4.0</u>	<u>67</u>	<u>3.8</u>
6. Hydrometer Reading - 40 seconds, R1 =	<u>10.5</u>	<u>71</u>	<u>11.1</u>
7. Corrected Hydrometer Reading, R1' =	<u>6.5</u>		<u>7.3</u>
8. Hydrometer Reading - 2 hours, R2 =	<u>8.0</u>	<u>71</u>	<u>8.6</u>
9. Corrected Hydrometer Reading, R2' =	<u>4.0</u>		<u>4.8</u>

10. % Sand = (Wt. - R1')/ Wt. x 100 = 81.8 %

11. % Clay = (R2'/Wt. x 100 =) 12.0 %

12. Sieve Analysis:

a. Oven Dry Weight (2 hrs., 105° C) Total Sand Fraction (Soil Retained on 0.045 mm Sieve)= 29.50 grams
b. Weight of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve)= 13.50 grams
c. % Fine Plus Very Fine Sand (a/b x 100) = 45.8 %

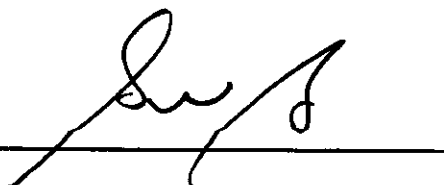
13. Soil Morphology (Natural Soil Samples Only):

Structure of Horizon Tested moderate subangular blocky
Consistence of Soil Horizon Tested: Dry X Moist

14. Soil Permeability Class Rating (From NJAC 7:9A-6.3) (based upon textural analysis of this replicate) = K3

I hereby certify that the test data furnished above is true and accurate. I am aware that falsification of this data is a violation of the Water Pollution Control Act (NJSA 58:104-1, et seq.) and is subject to penalties as prescribed in NJAC 7:14-8.

Engineer Signature



Date

2/10/22

SOIL PERMEABILITY CLASS RATING DATA

Date Collected: 1/22/2020
Collected By: JL
Tested By: GB
Block: 8001
Lot: 1

Job #: -
Location: 20 Fountayne Ln
Lab ID #: -
Municipality: Manalapan
County: Monmouth

1. Test Number: 1

Replicate (Letter): A

2. Sample Identification: Soil Log 2 at 84-120"

3. Coarse Fragment Content:

Total Weight of Sample, (W.T.) = 293.9 grams
Weight of Material Retained on 2 mm sieve, (W.C.F.) = 11.1 grams
Weight % Coarse Fragment (W.C.F./W.T. x 100), (Wt.) = 3.8 %

4. Oven Dry Weight (24 hrs @ 105° C) of 40 gram Air Dry Sample, Wt. = 39.80 grams

	Direct Reading	Temp. F°	Temp. Corrected to 68°F
5. Hydrometer Calibration at 40 seconds, Rc =	<u>4.0</u>	<u>67</u>	<u>3.8</u>
6. Hydrometer Reading - 40 seconds, R1 =	<u>21.1</u>	<u>71</u>	<u>21.7</u>
7. Corrected Hydrometer Reading, R1' =	<u>17.1</u>		<u>17.9</u>
8. Hydrometer Reading - 2 hours, R2 =	<u>20.5</u>	<u>71</u>	<u>21.1</u>
9. Corrected Hydrometer Reading, R2' =	<u>16.5</u>		<u>17.3</u>

10. % Sand = (Wt. - R1')/ Wt. x 100 = 55.0 %

11. % Clay = (R2'/Wt. x 100) = 43.5 %

12. Sieve Analysis:

a. Oven Dry Weight (2 hrs., 105° C) Total Sand Fraction (Soil Retained on 0.045 mm Sieve)= 9.60 grams
b. Weight of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve)= 2.70 grams
c. % Fine Plus Very Fine Sand (a/b x 100) = 28.1 %

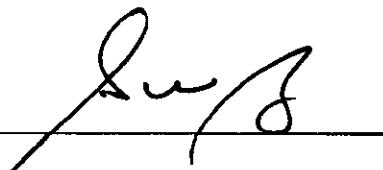
13. Soil Morphology (Natural Soil Samples Only):

Structure of Horizon Tested moderate subangular blocky
Consistence of Soil Horizon Tested: Dry X Moist

14. Soil Permeability Class Rating (From NJAC 7:9A-6.3) (based upon textural analysis of this replicate) = K1

I hereby certify that the test data furnished above is true and accurate. I am aware that falsification of this data is a violation of the Water Pollution Control Act (NJSA 58:104-1, et seq.) and is subject to penalties as prescribed in NJAC 7:14-8.

Engineer Signature



Date

2/10/22

SOIL PERMEABILITY CLASS RATING DATA

Date Collected: 1/22/2020
Collected By: JL
Tested By: GB
Block: 8001
Lot: 1

Job #: -
Location: 20 Fountayne Ln
Lab ID #: -
Municipality: Manalapan
County: Monmouth

1. Test Number: 1

Replicate (Letter): B

2. Sample Identification: Soil Log 2 at 84-120"

3. Coarse Fragment Content:

Total Weight of Sample, (W.T.) = 293.9 grams
Weight of Material Retained on 2 mm sieve, (W.C.F.) = 11.1 grams
Weight % Coarse Fragment (W.C.F./W.T. x 100), (Wt.) = 3.8 %

4. Oven Dry Weight (24 hrs @ 105° C) of 40 gram Air Dry Sample, Wt. = 39.80 grams

	Direct Reading	Temp. F°	Temp. Corrected to 68°F
5. Hydrometer Calibration at 40 seconds, Rc =	<u>4.0</u>	<u>67</u>	<u>3.8</u>
6. Hydrometer Reading - 40 seconds, R1 =	<u>22.0</u>	<u>72</u>	<u>22.8</u>
7. Corrected Hydrometer Reading, R1' =	<u>18.0</u>		<u>19.0</u>
8. Hydrometer Reading - 2 hours, R2 =	<u>21.5</u>	<u>71</u>	<u>22.1</u>
9. Corrected Hydrometer Reading, R2' =	<u>17.5</u>		<u>18.3</u>

10. % Sand = (Wt. - R1')/ Wt. x 100 = 52.3 %

11. % Clay = (R2'/Wt. x 100 =) 46.0 %

12. Sieve Analysis:

a. Oven Dry Weight (2 hrs., 105° C) Total Sand Fraction (Soil Retained on 0.045 mm Sieve)= 9.30 grams
b. Weight of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve)= 3.00 grams
c. % Fine Plus Very Fine Sand (a/b x 100) = 32.3 %

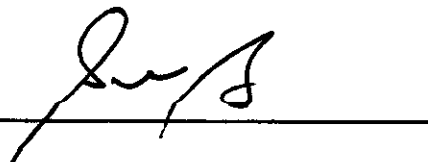
13. Soil Morphology (Natural Soil Samples Only):

Structure of Horizon Tested moderate subangular blocky
Consistence of Soil Horizon Tested: Dry X Moist

14. Soil Permeability Class Rating (From NJAC 7:9A-6.3) (based upon textural analysis of this replicate) = K1

I hereby certify that the test data furnished above is true and accurate. I am aware that falsification of this data is a violation of the Water Pollution Control Act (NJSA 58:104-1, et seq.) and is subject to penalties as prescribed in NJAC 7:14-8.

Engineer Signature



Date

2/10/22

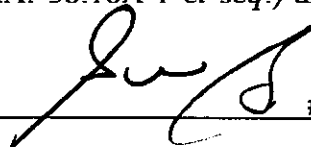
COUNTY/MUNICIPALITY Monmouth/Manalapan Twp. Block 8001, Lot 1

**APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM**

FORM 4 - GENERAL DESIGN DATA

1. **Volume of Sanitary Sewage, gal** 800
☒ Residential: No. of Dwelling Units 1 Total No. of Bdrm. 5
Commercial/Institutional - Indicate type of establishment and show method of calculation. If estimate is based on water meter data, indicate source of data, frequency of readings, average flow, and maximum recorded reading.
2. **Alterations or Repairs**
a) Reason for Alteration or Repair (check appropriate categories):
☐ Expansion or Change in Use ☒ Upgrade Existing Facilities
☐ Correct Malfunctioning System ☐ Other-Specify _____
b) Describe Nature of Alteration or Repairs: New septic tank & disposal bed
3. **System Components:**
a) Grease Trap Capacity, gals
Show Calculation Used:
b) Septic Tank Capacity, gals: ☒ First(Single) Compartment 1,340
☒ Second Compartment 660 ☐ Third Compartment _____
c) Effluent Distribution
Method: ☒ Gravity Flow ☐ Gravity Dosing ☐ Pressure Dosing
d) Dosing Tank Capacities, gals: Total Capacity _____ Dose Volume _____
Reserve Capacity _____
e) Laterals: Number 8 Total Length 368' Pipe Size 4" Spacing 3'
f) Connecting Pipe: Size 4" Length 6'
g) Manifold: Size _____ Length _____
h) Disposal Field: Type of Installation SRB
Design Permeability (Percolation Rate) 6 - 20 in/hr
Trenches: Width _____ Total Length _____ Bed Area 26' x 50' = 1,300 sf
i) Seepage Pits: Design Percolation Rate _____
Number of Pits _____ Total Percolating Area Provided _____
4. **Attachments** (Check items included)
☒ General Plan of System Showing Location of all System Components
☒ X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank, Disposal Field, Seepage Pits and Interceptor drains
☐ Pump Performance Curve
☐ Other-Specify _____
5. I hereby certify that the information furnished on Form 4 of 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 prescribed in N.J.A.C. 7:14-8.

Signature of Professional Engineer



#34675

Date

7/10/22

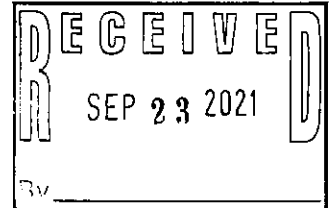
INTEROFFICE MEMORANDUM



TO: HEALTH DEPARTMENT
FROM: DEPARTMENT OF ZONING & CODE ENFORCEMENT
SUBJECT: PLAN REVIEW
DATE: SEPTEMBER 22, 2021
CC: FILE

Please find attached an application for a Zoning Permit.

Kindly review for Approval/Disapproval and return to our office.



BLOCK: 8001

LOT: 1

NAME: Phillips

ADDRESS 20 Fountayne Lane

APPLICATION TYPE: Basement

APPROVED

DISAPPROVED

NO PLUMBING 9/29/21 JR

COMMENTS: _____

P = Outlet

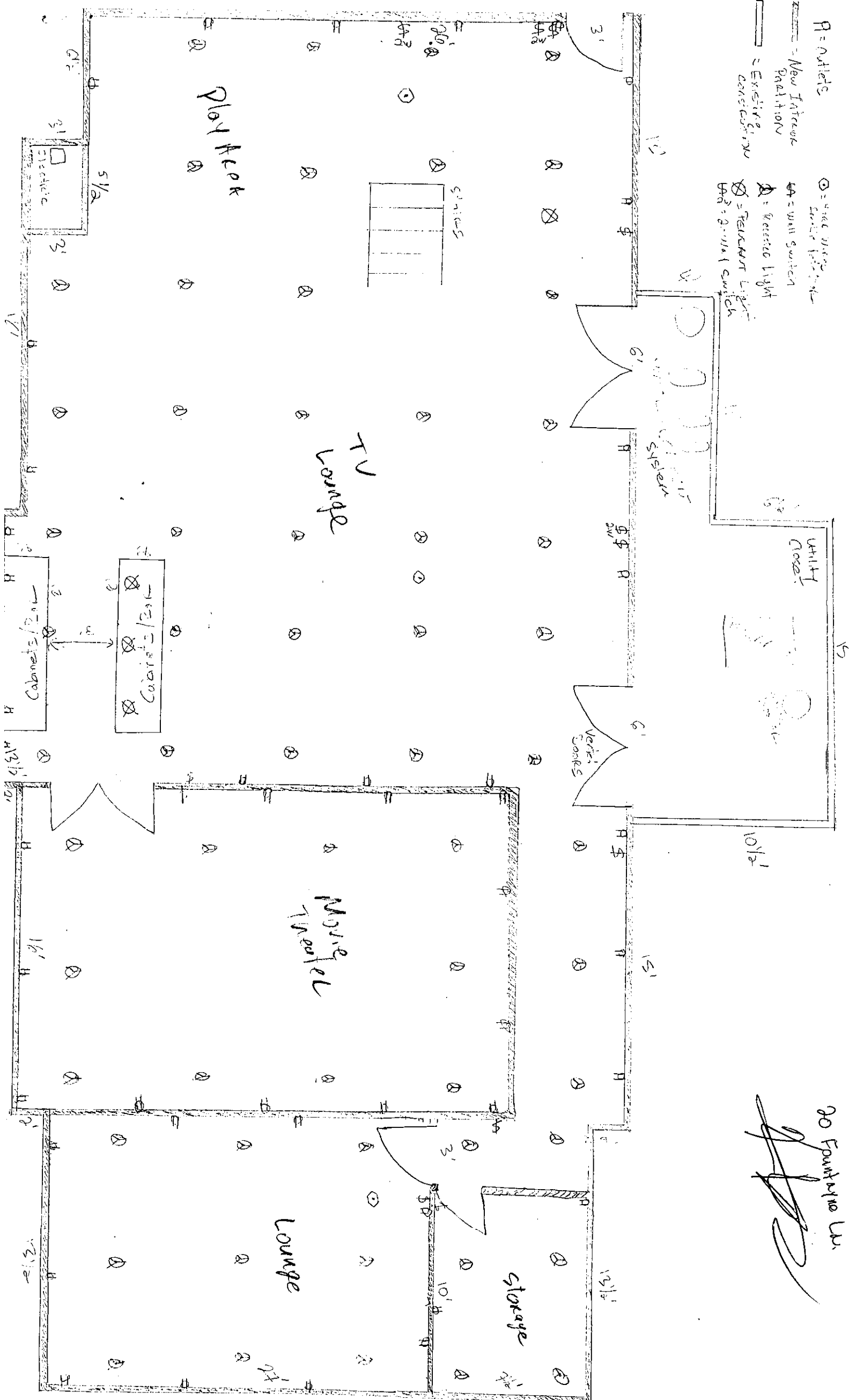
--- New Interior
Partition
= Existing
construction

⊙ = New Blower
Fan or Radiator

⊙ = Wall Switch

⊙ = Access Light

⊙ = Fluorescent Light
⊙ = 2-way switch



20 Fourby10 Lbr.

[Signature]

BOARD OF HEALTH
TOWNSHIP OF MANALAPAN

No. 5368

FEE \$

300

DATE

7/1 20 20

 Permit to Construct a Septic System - expires

X Permit to Alter/Repair a Septic System - expires 7/1/22

 Renewal of Septic System Permit - expires

 Permit to Construct a Well (New Replacement)

State Permit #

 Witness Soil Test *

Permission is hereby granted to KEMAR R. PHILLIPS

Address 20 FOUNTAYNE LN MANALAPAN NJ 07726

to perform the above stated work at 20 FOUNTAYNE LN Block 8001 Lot 1

in accordance with the regulations of the Board of Health of the Township of Manalapan.

[Signature]
Administrative Authority

* This permit does not represent an approval of the soil tests witnessed.

RECEIPT

DATE JULY 1, 2020 No. 558093

RECEIVED FROM KEMAR PHILLIPS \$ 300

THREE HUNDRED DOLLARS DOLLARS

☐ FOR RENT Septic Repair 5368 Lic TO Oper 1826

☐ FOR 8001/1 20 FOUNTAYNE LN

ACCOUNT		☐ CASH	
PAYMENT	<u>#1585</u>	☒ CHECK	FROM <u>[Signature]</u> TO <u> </u>
BAL. DUE		☐ MONEY ORDER	
		☐ CREDIT CARD	BY <u>[Signature]</u>

SERIAL # 12239

DWR-133
(6/97)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Mail to
NJDEP
Bureau of Water Allocation
P.O. Box 426
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 2937579

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 29-21-181

Property Owner Land Technology
Address 1423 Cedar Row
Lakewood, NJ 08701
Name of Facility Residential
Address 20 Fountayne Lane
Manalapan

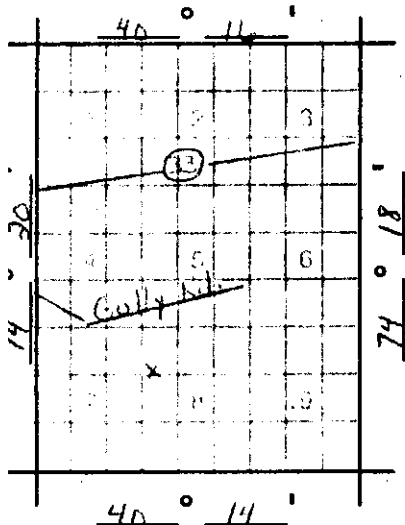
Driller Pure Pressure Water Systems
Address 65 Mermaid Drive
Manahawkin, NJ 08050

Diameter of Well	4	Inches	Proposed Depth of Well	150	Feet
Proposed Capacity of Pump	20	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Domestic - New Const.				
Drinking Water Supply?	yes	yes (see # 6 on reverse)			no

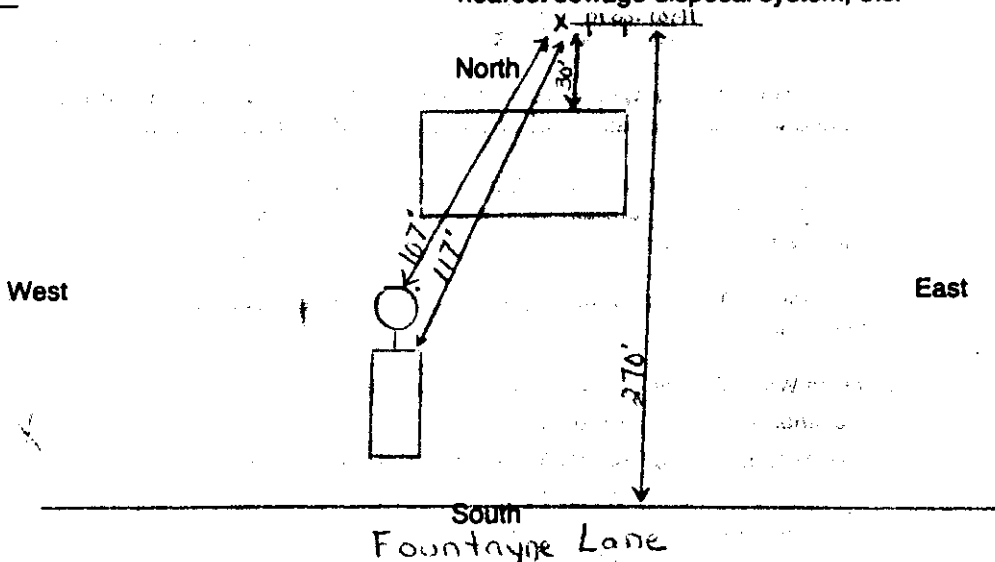
LOCATION OF WELL

Lot #	Block #	Municipality	County
1	3001	Manalapan	Monmouth

State Atlas Map No. 29



Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

- ☒ DOMESTIC/PUBLIC NON-COMMUNITY/NON-PUBLIC Water Supply Wells shall comply with N.J.A.C. 7:10-12.1 et seq.
- ☒ PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- ☐ CLOSED LOOP GEOTHERMAL - see attached conditions.
- ☐ OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- ☐ IRRIGATION PURPOSES ONLY ☐ TEST PURPOSES ONLY
- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J.D.E.P.
SEP 5 1997
BUREAU OF WATER ALLOCATION

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date August 27, 1997 Signature of Driller John Robertson Registration No. JD1384
Signature of Property Owner Richard Goldstein

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White

WELL RECORDWell Permit Number
29 - 37579Atlas Sheet Coordinates
29: 21 : 181

OWNER LAND TECHNOLOGY
Address 1423 ORCHARD ROW
LAKELAND State NJ Zip Code _____
WELL LOCATION ADDRESS 20 FOUNTAYNE LANE Owner's Well No. 38201
County MONMOUTH Municipality MANALAPAN TWP. Lot No. 1 Block No. 38201

WELL USE DOMESTICDATE WELL STARTED 11/6/77
DATE WELL COMPLETED 11/2/97**WELL CONSTRUCTION**Total Depth Drilled 260 ft.Finished Well Depth 260 ft.

Borehole Diameter:

Top 8 1/2 in.Bottom 8 1/2 in.

Well Casing Begins:

1 ft. above grade or ft. below grade

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (Inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>71</u>	<u>250</u>	<u>4</u>	<u>PVC</u>	<u>sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>125407</u>)	<u>250</u>	<u>260</u>	<u>4</u>	<u>PVC</u>	<u>sch 40</u>
Blank Casings (No. Used <u> </u>)					
Tail Piece					
Gravel Pack	<u>217</u>	<u>260</u>	<u>8 1/2</u>	<u>#15 Pail</u>	<u>700/15</u>
Grout	<u>4</u>	<u>217</u>	<u>8 1/2</u>	<u>Neat Cement Bentonite</u>	<u>1300 lbs</u>

RECORD OF TESTTest Date 11/2/97Static Water Level 98 ft. below land surfaceWater Level Measured Using LCR-1Pumping Water Level 115 ft. below land surfaceWell Was Pumped Using P.R. CompressorWell Yield 150 gpm

If Pump Tested: Discharge Rate _____ gpm

Duration of Test _____ hours

Grouting Method Pressure GroutDrilling Method Rotary**PERMANENT PUMPING EQUIPMENT**Installed by John Robertson Reg. No. 1384Pump Type SubmersibleDepth of Pump below land surface 150 ft.Capacity 20 gpm Horsepower 1

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company PURE PRESSURE WATER SYSTEMSWell Driller (Print) John RobertsonDriller's Signature John RobertsonRegistration No. 1384 Date 12/9/97**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.

0-23 med sand23-26 clay26-41 med sand41-72 clay72-112 med sand112-150 clay150-187 med sand187-210 clay210-260 fine sand + med

FREEHOLD AREA HEALTH DEPARTMENT

*Serving Freehold Township, Freehold Borough, and Wall Township
(732)-294-2060*

PERMIT TO LOCATE AND CONSTRUCT OR ALTER AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

No: 2022-0025

Permission is hereby granted to:

Owner/Contractor: PHILLIPS, KEMAR R & PALOMA FELICIANO

Address: 20 FOUNTAYNE LANE
MANALAPAN, NJ 07726

Phone:

To locate and construct an individual sewage disposal system in accordance with the current "Standards for Individual Subsurface Sewage Disposal Systems," located at:

Physical Address: 20 FOUNTAYNE LANE

Block: 8001 **Lot:** 1 **Township:** Manalapan Township

Type of System: Alter - Residential

Bedrooms: 5 **Design Flow:** 800.00

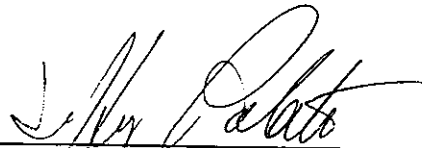
Date of Issue: 04/04/2022 **Expiration Date:** 04/03/2024

Print Type **Check #:** 0

Permit Fee 0

Date Paid:

Date of Renewal:


Registered Environmental Health Specialist 04/04/2022

* 11/23/22 See NJDEPTWA 22-0325

FREEHOLD AREA HEALTH DEPARTMENT

SERVING
FREEHOLD TOWNSHIP **FREEHOLD BOROUGH WALL TOWNSHIP
** MANALAPAN TOWNSHIP ****

1 MUNICIPAL PLAZA
FREEHOLD, NEW JERSEY 07728-3099

TELEPHONE: 732-294-2060
FAX: 732-462-2340

INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN APPROVAL

☒ Residential ☐ Commercial

☐ New construction ☐ Alteration w/ expansion
☒ Alteration ☐ Repair existing system ☐ Advanced technology

Block: 8001 **Lot:** 1 **Municipality:** Manalapan Township

Address: 20 Fountayne Lane

Bedroom Design: 5 **Gallons/Day:** 800

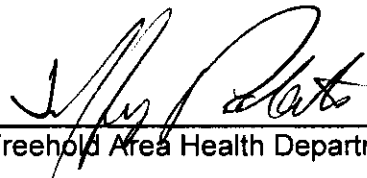
It is the opinion of the Board of Health that the proposed individual sewage disposal system for the above referenced property is expected to function satisfactorily and without violation if properly maintained. The system must be installed in accordance with the approved plans designed by G Barkley Engineering, dated/revised 2/4/2022.

Unless otherwise noted below, three inspections are required during the installation:

1. After excavation and prior to the placement of stone or sand fill.
2. After completion of construction prior to backfilling.
3. After backfill and finished grading.

NOTE: Certifications of construction and as-built drawings may be required from a licensed engineer and/or contractor prior to the issuance of a certificate of compliance. It is the responsibility of the applicant to supply the installer with a copy of this notice and the approved plans. To prevent delays, inspections should be scheduled at least 24 hours in advance by calling (732) 294-2060.

Date: 3/30/2022 11/23/22


Freehold Area Health Department

ADDITIONAL INSPECTIONS OR INFORMATION:

New 2000 gallon septic tank discharging to new 1302 sq ft disposal bed as designed. The approval of ejector pump; without additional disposal bed area is dependent upon no expansion of number of bedrooms. Custom Requirements of NJDEP TWA No 22-0325 must be MET prior to Certificate of Compliance



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. BOX 420, TRENTON, NJ 08625-0420

ALTERNATE DESIGN TREATMENT WORKS APPROVAL
**Local Agency approval required*

The New Jersey Department of Environmental Protection grants this approval in accordance with your application, attachments accompanying same application, and applicable laws and regulation.

PERMIT NO.	ISSUANCE DATE	EXPIRATION DATE	DESIGN FLOW
TWA 22-0325 P.I.# 993849	October 27, 2022	October 26, 2024	800 G.P.D.

NAME AND ADDRESS OF APPLICANT

Mr. Kemar Phillips
20 Fountayne Lane
Manalapan, NJ 07726

LOCATION OF ACTIVITY

20 Fountayne Lane
Lot: 1 Block: 8001
Manalapan Township
Monmouth County

This permit grants permission to:

Install a sewage ejector pump in the basement which will serve the bathroom of a 5-bedroom dwelling and waive requirements for the increase in disposal field size by 50% as required by N.J.A.C. 7:9A-10.2. The proposed system will consist of a 2,000-gallon two compartment septic tank and a 1,300 square foot disposal field. In addition, an NSF approved 6-inch effluent filter will be installed and locking manhole covers will be installed to grade.

According to the plans/documents entitled:

"Septic System Alteration, 20 Fountayne Lane, Block 8001 Lot 1, Manalapan Township, Monmouth County, New Jersey," signed and sealed by Gregg W. Barkley, P.E., of G Barkley Engineering, LLC dated 2/4/2022.

APPROVED by the Department of Environmental Protection

Joshua Stocker, Environmental Services
Trainee

Michele Christopher, Chief
Bureau of Ground Water, Residuals, and Permit Administration

This permit is also subject to special provisos and general conditions stipulated on the attached page(s) which are agreed to by the permittee upon acceptance of the permit.

SERIAL # 12239

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

Mail to
NJDEP
Bureau of Water Allocation
P.O. Box 426
Trenton, NJ 08625-0426

PERMIT TO DRILL WELL

Permit No. 293757

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 29-21-1P1

Property Owner Land Technology
Address 1423 Cedar Row
Lakewood, NJ 08701
Name of Facility Residential
Address 20 Fountayne Lane
Manalapan

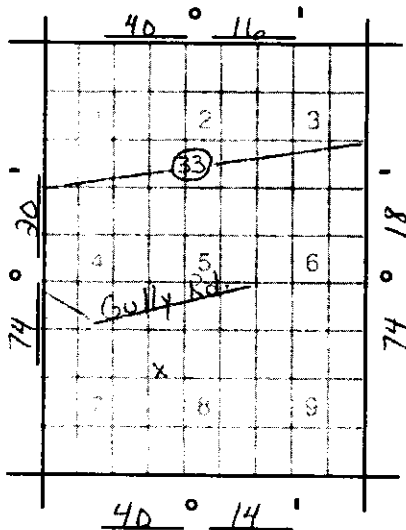
Driller Pure Pressure Water Systems
Address 65 Mermaid Drive
Manahawkin, NJ 08050

Diameter of Well	4	Inches	Proposed Depth of Well	150	Feet
Proposed Capacity of Pump	20	GPM	Method of Drilling (cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Domestic - New Const.				
Drinking Water Supply?	yes	yes (see # 6 on reverse)			no

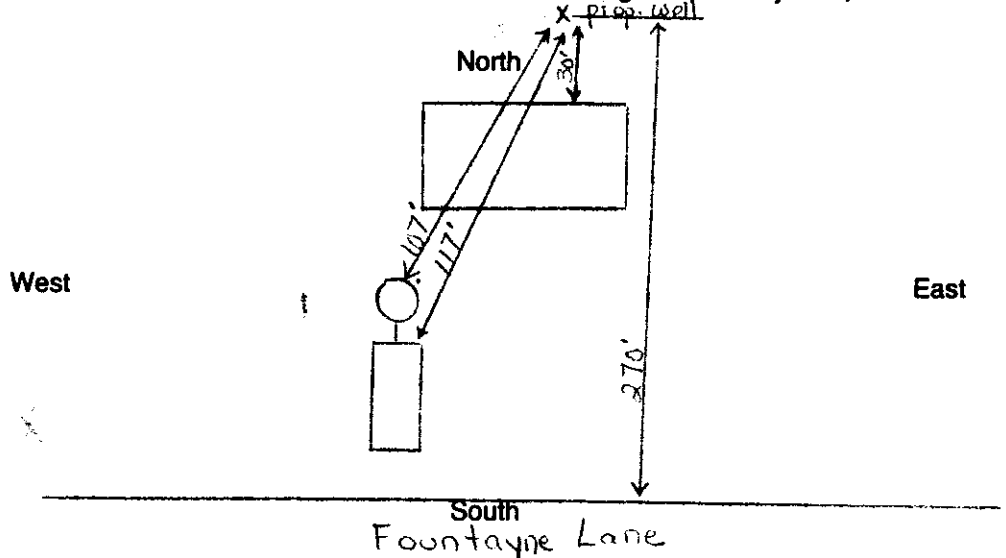
LOCATION OF WELL

Lot #	Block #	Municipality	County
1	8001	Manalapan	Monmouth

State Atlas Map No. 29



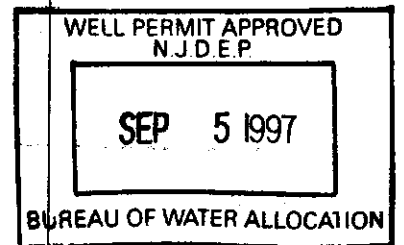
Draw sketch showing distance and location of well site to nearest public roads, streets, components of the nearest sewage disposal system, etc.



SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT. APPROVAL OF THIS PERMIT IS MADE SUBJECT TO ACCEPTANCE OF AND COMPLIANCE WITH THE FOLLOWING ADDITIONAL CONDITIONS.

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- ☐ PUBLIC COMMUNITY Water Supply Wells shall obtain construction and operation permits from the Bureau of Safe Drinking Water in accordance with N.J.A.C. 7:10-11.1 et seq.
- ☐ CLOSED LOOP GEOTHERMAL - see attached conditions.
- ☐ OPEN LOOP GEOTHERMAL HEAT PUMP WELLS - Wells must be a minimum of 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ INDUSTRIAL SUPPLY - A physical connection control permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ IRRIGATION SUPPLY - A physical connection control permit may be required pursuant to the provisions of N.J.A.C. 7:10-10.1 et seq.
- ☐ REPLACEMENT WELL - Existing well must be sealed by a certified New Jersey licensed well driller upon abandonment.
- ☐ IRRIGATION PURPOSES ONLY ☐ TEST PURPOSES ONLY
- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:10-12.12 have not been met - see attached additional condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

This Space for Approval Stamp



In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date August 27, 1997 Signature of Driller John Robertson Registration No. JD1304
Signature of Property Owner Richard Goldstein

COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White