

BOARD OF HEALTH  
Township of Chester, Morris County, New Jersey

Application

No. 755

Date: Nov. 17, 1983

Received of (name)

Thomas Jowarski

(address)

8 Frederick Road, Morristown

One Hundred Forty Five and 25/100 Dollars \$ 125.00

Location: Lot

115

Block

2

This copy for Secretary

agent

- ☒ Construct  
☐ Alter  
☒ Sewage  
☐ Water

John T. Hollenbeck

Tax Map Sheet 39  
Lot 115 Block 26

☒ New Construction  
☒ Alteration

Application No. 155  
Date Submitted 11/15/83

INDIVIDUAL SEWAGE DISPOSAL SYSTEM APPLICATION

BOARD OF HEALTH, TOWNSHIP OF CHESTER  
MORRIS COUNTY, NEW JERSEY

OWNER Thomas & Janet M. Jaworski Tel. [REDACTED]

Address 8 Frederick Place, Morristown, NJ 07960

PURCHASER \_\_\_\_\_ Tel. \_\_\_\_\_

Address \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ Tel. \_\_\_\_\_

Address \_\_\_\_\_

**INSTRUCTIONS:** This application shall be accompanied by a percolation test report and detailed plans for the proposed sewage disposal system. The plans shall include the following:

1. A scale drawing of the lot showing the location and size of all existing and proposed buildings, driveways, ditches, drains, ponds, streams, swales, wells, wooded areas, and open areas.
2. The drawing shall extend to portions of adjoining and nearby properties to show all structures within 50 feet of the proposed disposal system and all ditches, drains, ponds, streams, swales, and wells within 100 feet of the proposed disposal system.
3. An outline of an area reserved for possible future expansion of the system and clearly marked as such on the plans.
4. Proposed or possible future pool sites.
5. Direction and approximate percent of slope in the area of the proposed system.
6. Location of all percolation and observation test holes.
7. Location and depths of proposed or future excavations and fills.
8. Detailed plans of the disposal system including cross sections and profiles.
9. Provisions to divert surface water and/or subsurface water from the disposal area.
10. Show dimensions and distances for all above information.

**WELL DATA:**

Water Supply: Public ☒ Well Spring Other

Well Date: Existing ☒ Proposed or estimated

- |                                           |                            |
|-------------------------------------------|----------------------------|
| 1. Type _____                             | 5. Type of Rock _____      |
| 2. Depth <u>200'</u>                      | 6. Depth of Casing _____   |
| 3. Depth to Rock <u>10'</u>               | 7. Method of Sealing _____ |
| 4. Method of Grouting Around Casing _____ |                            |

Well is located at a ☒ higher lower elevation than the disposal area.

**DESIGN DATA:**

Type of building: ☒ Dwelling Other

For dwelling: No. of bedrooms 4 Expansion attic: yes ☒ no

For other than dwellings:

Occupancy: \_\_\_\_\_ persons per day Size: \_\_\_\_\_ sq. ft. floor area

Estimated quantity of sewage: \_\_\_\_\_ gal. per day

Design is based on a percolation rate of \_\_\_\_\_ minutes per inch at 10' depth below the surface, as shown for Percolation Test No(s). 1-C

Grease Trap: yes ☒ no Location \_\_\_\_\_

Size \_\_\_\_\_ Material \_\_\_\_\_

Septic Tank: Number of tanks 2 Material Precast Concrete

Capacity of each 1000 Gal. 1000 Gal.

Grey Black

## PERCOLATION TEST REPORT

Sheet 1 of 1BOARD OF HEALTH, TOWNSHIP OF CHESTER  
MORRIS COUNTY, NEW JERSEYPROPERTY IDENTIFICATION: Lot 115 Block 26 Sheet 39Owner: Jaworski Address 8 Frederick Pl., Morristown Tel [REDACTED]Purchaser: N/A Address \_\_\_\_\_ Tel \_\_\_\_\_

**INSTRUCTIONS:** A report of each percolation test shall be submitted to the Board of Health. The results of all tests performed shall be strictly in accordance with the requirements of the Code. Attach a map showing the location of all percolation tests and observation test holes. Indicate direction and approximate percent of slope in area proposed for sewage disposal system.

**GENERAL INFORMATION:**Date of Percolation Test N/A Date of Recording Observation Test Hole 11-7-83  
Weather Date of Test 50's Partly SunnyRainfall, preceding 5 days Trace; Rainfall, preceding 5th thru 10th day TraceGeneral Condition of Surface Soil: Dry to Moist Wet SaturatedSurface Drainage in Test Hole Area: XX well-drained        Poorly drained  
       moderately well-drained        temporary pondingOBSERVATION TEST HOLE - DESCRIPTION OF SOIL: OBSERVATION TEST HOLE NO.: 2

| DEPTH |     | SOIL DESCRIPTION                                                 |
|-------|-----|------------------------------------------------------------------|
| From  | To  | (Color, texture, water content, firmness, relative permeability) |
| 0     | 6"  | Top Soil                                                         |
| 6"    | 4'  | Silt Loam                                                        |
| 4'    | 10' | Sandy Silt Loam with Rock                                        |
| 10'   | 11' | Sandy Loam                                                       |

Example: Lt. brown silty gravel, moist, dense - permeable

**SEEPAGE AND GROUNDWATER**

| DEPTH |    | RELATIVE AMOUNT OF SEEPAGE INTO HOLE        |
|-------|----|---------------------------------------------|
| From  | To | (Indicate rapid, moderate, slow, very slow) |
|       |    | None                                        |
|       |    |                                             |
|       |    |                                             |

Depth to stabilized water table: \_\_\_\_\_ after \_\_\_\_\_ hours.

Estimated depth to highest fluctuating or seasonal water table: > 10'

Depth to mottled soil (grey streaked or marbled appearance): \_\_\_\_\_

From \_\_\_\_\_ to \_\_\_\_\_  
From \_\_\_\_\_ to \_\_\_\_\_ None ObservedSOIL MAP CODE EdBSOIL NAME Edneyville Gravelly Loam

# Individual Sewage Disposal System Application

Application No. \_\_\_\_\_  
Page 2

## Disposal Trenches and Beds: For Black Water

1. Min. percolation area required by Code 692 sq. ft.  
Designed percolation area 960 sq. ft.
2. Min. Infiltration area required by Township Standards 960 sq. ft.  
Designed Infiltration area (~~trench~~ side walls) 960 sq. ft.

## Seepage Pits: For Grey Water

Bottom Bed

1. Number of Pits 1 EXST 6  
Size of each Pit 6'6" Liquid Depth, 7'6" Inside Diameter
2. Min. percolation area required by Code N/A sq. ft.  
Designed percolation area \_\_\_\_\_ sq. ft.
3. Min. Infiltration area required by Township Standards 800 sq. ft.  
Designed Infiltration area 230.3 (EXST 6) sq. ft.

## CERTIFICATE OF QUALIFIED PERSON:

This is to certify to the Board of Health of the Township of Chester that the undersigned has prepared or examined the within application and accompanying plans and specifications and that such application and data are in compliance with: The Realty Improvement Sewerage and Facilities Act (1954) P.L. 1954, Chapter 199, R.S. 58:11-23, et seq. and Standards promulgated thereunder; The Individual Sewage Disposal System Code of the Township of Chester as revised and/or amended; and Standards adopted by the Board of Health of Chester Township.

Signature [Signature] P.E. License No. 20296 Date 11/15/83

Firm Professional Planning & Engineering Corp. Tel. No. 267-3244

Address PO Box 2284, 50 South Street, Morristown, NJ 07960

(Seal)

## APPROVAL AND INSPECTION RECORD

Application Approved by: [Signature] Date 11/17/83

|                 |            |          |
|-----------------|------------|----------|
| Inspected _____ | Date _____ | By _____ |
| _____           | Date _____ | By _____ |
| _____           | Date _____ | By _____ |
| _____           | Date _____ | By _____ |
| _____           | Date _____ | By _____ |

Final Approval by [Signature] Date 9/7/84

Certificate of Compliance Issued \_\_\_\_\_  
(Date) \_\_\_\_\_ (Signature) \_\_\_\_\_

INSTRUCTIONS: Tests should be performed at various depths at each Observation Hole Location. Relate percolation tests to test holes as follows: 1-A, 1-B, 2-A, 2-B, etc.

PERCOLATION TEST REPORT

Sheet 4 of 4

(NOTE: Use separate sheet for each percolation test.)

PERCOLATION TEST NO. 1-C

DATE 11/7/83

Distance below surface to bottom of test hole 10'10" Diameter of Test Hole 6"

Distance below surface to top of test hole (if in trench) 10'0"

Depth of small test hole if in trench 10"

SATURATION: DATE 11/7/83

Initial Saturation  
(full hole)

| Time       | Water Depth |
|------------|-------------|
| Start 2:01 | 3"          |
| 2:10       | dry (10")   |
|            |             |
|            |             |
|            |             |

CONSTANT RATE TEST: (Approx. 7" Water Depth) DATE 11/7/83

| Time | Depth (in.) | Elapsed Time (min.) | Depth Change (in.) | Rate (min/inch) |
|------|-------------|---------------------|--------------------|-----------------|
| 2:13 | 3"          |                     |                    |                 |
| 2:37 | 10"         | 24                  | 7"                 | 3.4             |
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |

Remove silt and clean out hole.

PERCOLATION TEST: (Approx. 7" water depth)

DATE 11/7/83

| Time | Depth | Elapsed Time (min) | Depth Change (Inches) | Rate (min/inch) |
|------|-------|--------------------|-----------------------|-----------------|
| 2:38 | 3"    |                    |                       |                 |
| 2:59 | 9"    | 21                 | 6                     | 3.5             |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |

End of Test: Time 2:59

Water Depth: 9

Beginning of Test: Time 2:38

Water Depth: 3

Total Elapsed Time: 21

Percolation Rate: 3.5 min/inch

Change in Depth: 6 (normally 6")

I hereby certify that the percolation tests and the soil, rock, and groundwater determination of which the above results are set forth were made by me in accordance with the procedures established in the Individual Sewage Disposal System Code of New Jersey (Rev. 1963.).

Signed

*[Signature]*

Date 11/15/83

Professional Engineer, Lic. No. 20296

Engineering Firm Professional Planning & Eng. Corp. Tel. 267-3244

Address PO Box 2284R, 50 South St., Morristown, NJ 07960

(seal)

Notes

INSTRUCTIONS: Tests should be performed at various depths at each Observation Hole Location. Relate percolation tests to test holes as follows: 1-A, 1-B, 2-A, 2-B, etc.

PERCOLATION TEST REPORT  
Sheet 3 of 4

(NOTE: Use separate sheet for each percolation test.)

PERCOLATION TEST NO. 1-B

DATE 11/7/83

Distance below surface to bottom of test hole 4 1/4" Diameter of Test Hole 6"  
Distance below surface to top of test hole (if in trench) 3 6"  
Depth of small test hole if in trench 10"

SATURATION: DATE 11/7/83

Initial Saturation  
(full hole)

| Time        | Water Depth   |
|-------------|---------------|
| Start 10:05 | 3"            |
| 10:21       | 4" (16)       |
| 11:17       | 5 1/4" (44.8) |
| 12:02       | 5 1/2" (180)  |
| 2:17        | 6 1/4" (180)  |

CONSTANT RATE TEST: (Approx. 7" Water Depth) DATE

| Time | Depth (in.) | Elapsed Time (min.) | Depth Change (in.) | Rate (min/inch) |
|------|-------------|---------------------|--------------------|-----------------|
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |
|      |             |                     |                    |                 |

Perc Rate Min/Inch.

Remove silt and clean out hole.

PERCOLATION TEST: (Approx. 7" water depth)

DATE

| Time | Depth | Elapsed Time (min) | Depth Change (inches) | Rate (min/inch) |
|------|-------|--------------------|-----------------------|-----------------|
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |
|      |       |                    |                       |                 |

End of Test: Time

Water Depth:

Beginning of Test: Time

Water Depth:

Total Elapsed Time:

Change In Depth: (normally 6")

Percolation Rate: > 60 min/inch

I hereby certify that the percolation tests and the soil, rock, and groundwater determinative of which the above results are set forth were made by me in accordance with the procedures established in the Individual Sewage Disposal System Code of New Jersey (Rev. 1963.).

Signed [Signature]  
Professional Engineer, Lic. No. 20296

Date 11/15/83

Engineering Firm Professional Plan. & Eng. Corp. Tel. 267-3244

Address P.O. Box 2284B, 50 South St., Morristown, NJ 07960

(seal)

Notes

Hard Pan Type Soil

INSTRUCTIONS: Tests should be performed at various depths at each Observation Hole Location. Relate percolation tests to test holes as follows: 1-A, 1-B, 2-A, 2-B, etc.

PERCOLATION TEST REPORT  
Sheet 2 of 4

(NOTE: Use separate sheet for each percolation test.)

PERCOLATION TEST NO. 1-A

DATE 11/7/83

Distance below surface to bottom of test hole 1'10" Diameter of Test Hole 6"

Distance below surface to top of test hole (if in trench) 1'0"

Depth of small test hole if in trench 10"

SATURATION: DATE 11/7/83

Initial Saturation  
(full hole)

| Time       | Water Depth |
|------------|-------------|
| Start 9:34 | 2½"         |
| 9:47       | 6½"         |
| 10:12      | 8½"         |
|            |             |
|            |             |

CONSTANT RATE TEST: (Approx. 7" Water Depth) DATE 11/7/83

| Time  | Depth (in.) | Elapsed Time (min.) | Depth Change (in.) | Rate (min/inch) |
|-------|-------------|---------------------|--------------------|-----------------|
| 10:20 | 2½"         |                     |                    |                 |
| 10:39 | 5½"         | 19                  | 3"                 | 12.8            |
|       |             | 13                  | 1"                 | 13              |
| 10:52 | 6½"         |                     |                    |                 |
|       |             | 14                  | 1"                 | 14              |
| 11:06 | 7½"         |                     |                    |                 |

Remove silt and clean out hole.

PERCOLATION TEST: (Approx. 7" water depth)

DATE 11/7/83

| Time  | Depth  | Elapsed Time (min) | Depth Change (Inches) | Rate (min/inch) |
|-------|--------|--------------------|-----------------------|-----------------|
| 11:07 | 2½"    |                    |                       |                 |
| 11:55 | 6½"    | 48                 | 3 3/4                 | 12.8            |
| 12:24 | 7"     | 29                 | 3/4                   | 38.7            |
| 12:48 | 7 3/4" | 24                 | 3/4                   | 32              |
| 1:07  | 8½"    | 19                 | 3/4                   | 25.3            |
|       |        |                    |                       |                 |

End of Test: Time 1:07

Water Depth: 8½"

Beginning of Test: Time 11:07

Water Depth: 2½"

Total Elapsed Time: 120

Change in Depth: 6 (normally 6")

Percolation Rate: 20 min/inch

I hereby certify that the percolation tests and the soil, rock, and groundwater determination of which the above results are set forth were made by me in accordance with the procedures established in the Individual Sewage Disposal System Code of New Jersey (Rev. 1963.).

Signed [Signature]  
Professional Engineer, Lic. No. 20296

Date 11/15/83

Engineering Firm Professional Plan. & Engin. Corp Tel. 267-3244

Address PO Box 2284R, 50 South St., Morristown, NJ 07960

(seal)

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moderately well-drained temporary pondingOBSERVATION TEST HOLE - DESCRIPTION OF SOIL: OBSERVATION TEST HOLE NO.: /

| DEPTH |      | SOIL DESCRIPTION                                                 |
|-------|------|------------------------------------------------------------------|
| From  | To   | (Color, texture, water content, firmness, relative permeability) |
| 0     | 4"   | Top Soil                                                         |
| 4"    | 3'0" | Silty Loam                                                       |
| 3'0"  | 10'  | Loam with Rock (Hardpan)                                         |
| 10'   | 11'  | Sandy Loam                                                       |
|       |      |                                                                  |

Example: Lt. brown silty gravel, moist, dense - permeable

**SEEPAGE AND GROUNDWATER**

| DEPTH |    | RELATIVE AMOUNT OF SEEPAGE INTO HOLE        |
|-------|----|---------------------------------------------|
| From  | To | (Indicate rapid, moderate, slow, very slow) |
|       |    | None Observed                               |
|       |    |                                             |
|       |    |                                             |

Depth to stabilized water table:  after  hours.Estimated depth to highest fluctuating or seasonal water table: >10'

Depth to mottled soil (grey streaked or marbled appearance):

From  to   
From  to  None ObservedSOIL MAP CODE EdB SOIL NAME Edneyville Gravelly Loam