

APPENDIX B  
STANDARD FORMS FOR SUBMISSION OF SOILS/ENGINEERING DATA  
COUNTY: MONMOUTH MUNICIPALITY: HOWELL  
Form 1  
General Information

5-25-0065

1. Type of Permit Needed (Check applicable categories):  
☐ New Construction ☐ Alteration/No Expansion or Change of Use  
☒ Alteration/Expansion or Change in Use ☒ Alteration/Malfunctioning System  
☐ Deviation from Standards ☐ Repairs to Existing System ☐ New System (Ex. structure)

2. Location of Project:

Municipality HOWELL

Block No. 42 Lot No. 43

Street Address: 729 Lakewood Farmingdale Road

3. Name of Applicant (print): CHAIM DAHARI

4. Applicant's Present Address:

[REDACTED] Lakewood, NJ 08701

5. Applicant's Phone Number:

6. Type of Facility:

☐ Residential

☒ Commercial/Institutional, Specify Type of Establishment: Farm

7. Type of Wastes to be Discharged:

☒ Sanitary Sewage ☐ Industrial Wastes ☐ Other—Specify Type:

8. If d. or e. in #1 above are checked, indicate the type of malfunction and its cause

☐ 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 into portions of the 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 groundwater (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): N/A

☐ Pinelands Commission ☐ U.S. Army Corps of Engineers

☐ NJDEP—Bureau of Flood Plain Management ☐ Other—Specify:

11. I hereby certify that the information furnished on Form 1 of this application is true. I am aware that false swearing is a crime in this State and subject to prosecution.

Signature of Applicant: [REDACTED] Date: 7/2/25

TOWNSHIP OF HOWELL  
RECEIVED  
2025 JUL - 8 A 9:35  
CLERK'S OFFICE

FOR AGENCY USE ONLY

☐ Application Denied—Reason for Denial/Citation of Rules Violated: \_\_\_\_\_

☐ Application Approved

☐ Application Approved Subject to Approval by NJDEP

Date of Action: \_\_\_\_\_ Signature of Authorized Agent: \_\_\_\_\_

Name and Title: \_\_\_\_\_

**Form 2a**  
**General Site Evaluation Data**

COUNTY: MONMOUTH MUNICIPALITY: HOWELL  
Block No. 42 Lot No. 43

1. Name of Site Evaluator (print): William C. Longo

2. Business Address of Site Evaluator: 182 South Street Freehold, NJ

3. Business Phone Number of Site Evaluator: 732-863-1403

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: N/A

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 Ground 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: N/A

a) Hydraulically Restrictive Horizon: Depth Top 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

☒ KeyMap Showing Location of Site On U.S.G.S. Quadrangle or Other Accurate Map

☒ KeyMap 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: \_\_\_\_\_

Signature of Professional Engineer \_\_\_\_\_

N.J.P.E. #35284

**Form 2b**  
**Soil Log and Interpretation**

COUNTY: MONMOUTH MUNICIPALITY: HOWELL  
Block No. 42 Lot No. 43

1. Log Number 1 Method (Check One): XX Profile Pit      Boring

2. Soil Log: SEE DESIGN PLAN FOR SOIL LOGS

3. Ground Water Observations:

     Seepage—Indicate Depth: None

     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 to Top:     

     Hydraulically Restrictive Horizon—Depth Top to Bottom:     

     Hydraulically Restrictive Substratum—Depth to Top:     

     Perched Zone of Saturation—Depth Top to Bottom:     

XX Regional Zone of Saturation—Depth: 36" Mottles

5. Soil Suitability Classification: IIHw

6. I hereby certify that the information furnished on Form 2b of this application 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 Site Evaluator Da  
Signature of Professional Engi

N.J.P.E. #35284

**Form 3a**  
**Soil Permeability Data**

COUNTY: MONMOUTH MUNICIPALITY: HOWELL  
Block No. 42 Lot No. 43

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 replicate on a separate line.

Type of Test      Test (number)    Replicate (letter)    Depth (inches)    Result\*

| Perm Class Rating | #TP1    | Replicate A | Replicate B |  |
|-------------------|---------|-------------|-------------|--|
|                   | 96-127" | K-4         | K-4         |  |
|                   |         |             |             |  |
|                   |         |             |             |  |

\* 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 result in minutes per inch. For basin flooding test report result as positive if basin drains completely within 24 hours after second filing, negative otherwise.

2. Design Permeability/Percolation Rate: Specify Test Number : Imported K-4

☐ 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: 2  
☐ 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 Flooding Test Data—Number of Sheets ☐

5. I hereby certify that the information furnished on Form 3a 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 D  
Signature of Professional Eng

**Form 4**  
**General Design Data**

1. Volume of Sanitary Sewage: 1150 GPD

     Residential: No. of Dwelling Units      Total No. of Bedrooms  
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 daily flow, and maximum recorded daily reading: Farm. See Plan For Calculations

2. Alterations or Repairs

a) Reason for Alteration or Repair (Check appropriate categories):

     Expansion or Change in Use      Upgrade Existing Facilities

XXX Correct Malfunctioning System      Other Specify     

b) Describe Nature of Alteration or Repairs: New Septic, dose tanks and disposal field

3. System Components:

a) Grease Trap Capacity, gals     

Show Calculation Used:     

b) Septic Tank Capacities, gals: 2,500 Dual

     Second Compartment      Third Compartment

c) Effluent Distribution

Method:      Gravity Flow XX Gravity Dosing      Pressure Dosing

Dosing Device: XX Pump      Siphon

d) Dosing Tank Capacities, gals: Total Capacity 2,000 Dose Vol. 150

Reserve Capacity: 1,534

e) Laterals: 11 Pipe Diameter: 4" Spacing: 3' o.c.

f) Connecting Pipe: Diameter 2" Length 190'

g) Manifold: Diameter      Length     

h) Disposal Field: Type of Installation MSR

Design Permeability (Percolation Rate) K-4

Trenches: Width      Total Length     

Bed Area: 2,808 SF

i) Seepage Pits: Design Percolation Rate     

Number of Pits      Total Percolating Area Provided     

4. Attachments (Check items included):

X General Plan of System Showing Location of All System Components

X X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank, Disposal Field, Seepage Pits and Interceptor Drains

#PC 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 as prescribed in N.J.A.C. 7:14-8.

Signature of Professional Engineer

N.J.P.E. #35284

# Lortech Engineering

25-307

182 South Street, Freehold NJ 07728

## Soil Permeability Class Rating

Municipality Howell Block 42 Lot 43

1. Test # 1 Replicate (Letter) A

2. Sample Depth 96-127" Soil Pit / Boring # TP-1 Date Collected 2/11/25

3. Coarse Fragment Content:

|                                             |            |
|---------------------------------------------|------------|
| Total Weight of Sample, WT., grams          | <u>200</u> |
| Weight of Material on 2mm sieve, WCF, grams | <u>0</u>   |
| Weight % Coarse Fragment (WCF./WT. x 100)   | <u>0%</u>  |

4. Oven Dry Weight (24 hrs., 105c) of 40g Air Dry Sample, grams, Wt. 34

5. Hydrometer Calibration, Rc 6.7

6. Hydrometer Reading - 40 seconds, grams, R1 8.5  
Temperature of Suspension F 67.0

7. Corrected Hydrometer Readings, grams, R1' 1.6

8. Hydrometer Reading - 2 hours, grams, R2 7.6  
Temperature of Suspension F 67.0

9. Corrected Hydrometer Reading, grams, R2' 0.7

10. % Sand= (Wt. -R1')/Wt. X 100 = 95%

11. % Clay = R2' /Wt. x 100= 2% (Note: 0% represents less than 1%)

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12. Sieve Analysis

a. Oven Dry Wt. (2 hrs., 105 C) Total Sand Fraction  
(Soil retained in 0.045 mm sieve), grams 23.2

b. Wt. of Fine Plus Very Fine Sand Fraction  
(Sand passing 0.25 mm sieve), grams 14.0

c. % Fine Plus Very Fine Sand (b/a) 60%

13. Soil Morphology (Natural Soil Samples Only):  
Structure of Soil Horizon Tested SG  
Consistence of Soil Horizon Tested: Dry Moist Loose

14. Soil Permeability Class Rating  
(Based upon average textural analysis of this replicate & other replicate samples) K-4

15. I hereby certify that the information furnished on Form 3C 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 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 Site Evaluator [Redacted] Date 2/26/25

Signature of Professional Engineer [Redacted] License # 35284

William P. Longo, P.E., No. 35284

# Lortech Engineering

25-307

182 South Street, Freehold NJ 07728

## Soil Permeability Class Rating

Municipality Howell Block 42 Lot 431. Test # 1 Replicate (Letter) B2. Sample Depth 96-127" Soil Pit / Boring # TP-1 Date Collected 2/11/25

## 3. Coarse Fragment Content:

|                                             |            |
|---------------------------------------------|------------|
| Total Weight of Sample, WT., grams          | <u>200</u> |
| Weight of Material on 2mm sieve, WCF, grams | <u>0</u>   |
| Weight % Coarse Fragment (WCF./WT. x 100)   | <u>0%</u>  |

4. Oven Dry Weight (24 hrs., 105c) of 40g Air Dry Sample, grams, Wt. 345. Hydrometer Calibration, Rc 6.76. Hydrometer Reading - 40 seconds, grams, R1 8.5  
Temperature of Suspension F 67.07. Corrected Hydrometer Readings, grams, R1' 1.68. Hydrometer Reading - 2 hours, grams, R2 7.4  
Temperature of Suspension F 67.09. Corrected Hydrometer Reading, grams, R2' 0.510. % Sand= (Wt. -R1')/Wt. X 100 = 95%11. % Clay = R2' /Wt. x 100= 1% (Note: 0% represents less than 1%)

## 12. Sieve Analysis

a. Oven Dry Wt. (2 hrs., 105 C) Total Sand Fraction  
(Soil retained in 0.045 mm sieve), grams 23.5b. Wt. of Fine Plus Very Fine Sand Fraction  
(Sand passing 0.25 mm sieve), grams 13.7c. % Fine Plus Very Fine Sand (b/a) 58%

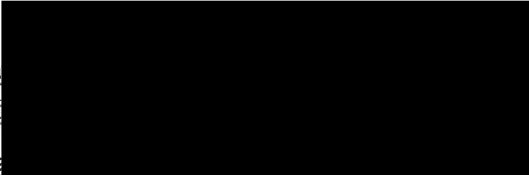
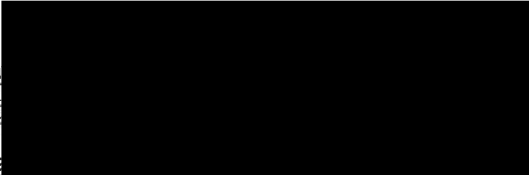
## 13. Soil Morphology (Natural Soil Samples Only):

Structure of Soil Horizon Tested SG  
Consistence of Soil Horizon Tested: Dry          Moist Loose

## 14. Soil Permeability Class Rating

(Based upon average textural analysis of this replicate & other replicate samples) K-4

15. I hereby certify that the information furnished on Form 3C 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 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 Site Evaluator Date 2/2/25Signature of Professional License # 35284

William C. Longo, P.E. Lic. # 35284

No. S-25-0065

DATE OF EXPIRATION  
JULY 8, 2026

Clerk's Office

**HOWELL TOWNSHIP**  
**2025 License**

*Individual Subsurface Sewage Disposal System Permit*

Issued To:

SPECIAL CHILDREN CENTER, INC

Address:

42/43 - 729 LAKEWOOD-FARMINGDALE Howell Township

Contractor

LORTECH, INC

System Construction cannot begin until Monmouth County Health Department Approval is obtained.

Contact Monmouth County Health Department for inspections at 732-431-7456.

THIS LICENSE MUST BE POSTED IN PUBLIC VIEW

BY ORDER OF THE CLERK'S OFFICE

Date:

JULY 8, 2025

Type

Alteration Septic

Fee: \$140.00

*Shane Letour*

Health Liaison

**Clerk's Office**

4567 Route 9 North

Howell Township NJ, 07731

732.938.4500

**Receipt**

Payment Date 7/8/2025

Transaction # PMT-25-10282

Receipt # R-25-2832

**Issued To** LORTECH

## Description

729 LAKEWOOD-FARMINGDALE S-25-0065  
\$140.00 CHECK 1232Date Printed 7/8/2025  
Check Number 1232

|                   |                 |
|-------------------|-----------------|
| Cash              | \$0.00          |
| Check             | \$140.00        |
| Charge            | \$0.00          |
| <b>Total Paid</b> | <b>\$140.00</b> |