State #29-8892
3398

NO. .....

TOWNSHIP OF HOWELL, NEW JERSEY
BOARD OF HEALTH

Application for a Permit to Locate, Construct and Alter an Individual Water Supply and System

DATE June 23, 1977

LOCATION — ADDRESS 625 Wyckoff Mills Rd. (Number, Street) or BLOCK No. 142 LOT No. 7

OWNER (print) [redacted]

PRESENT ADDRESS [redacted] Brielle New Jersey

NAME & ADDRESS OF CONTRACTOR (print) Windler & Gunther

2206 Hwy. 9 Howell Twp. New Jersey 07731

TYPE OF BUILDING TO BE SERVED ..... USE: YEARLY X SUMMER .....

Dwelling Unit —Number of Bedrooms ..... Expansion Attic: YES ..... NO .....

Other — Type of Building ..... Gallons per Person .....

Type of well or source of water supply 4" inch black steel cased well

Estimated depth of well 100 ft. Method of sealing sanitary well seal

Pumping Equipment submersible pump

Storing Facilities existing tank

Purification Facilities well to be chlorinated

ON OTHER SIDE SKETCH OF THE PROPERTY TO BE SERVED SHOWING THE FOLLOWING:

A. Size of lot

B. Area in Square Feet

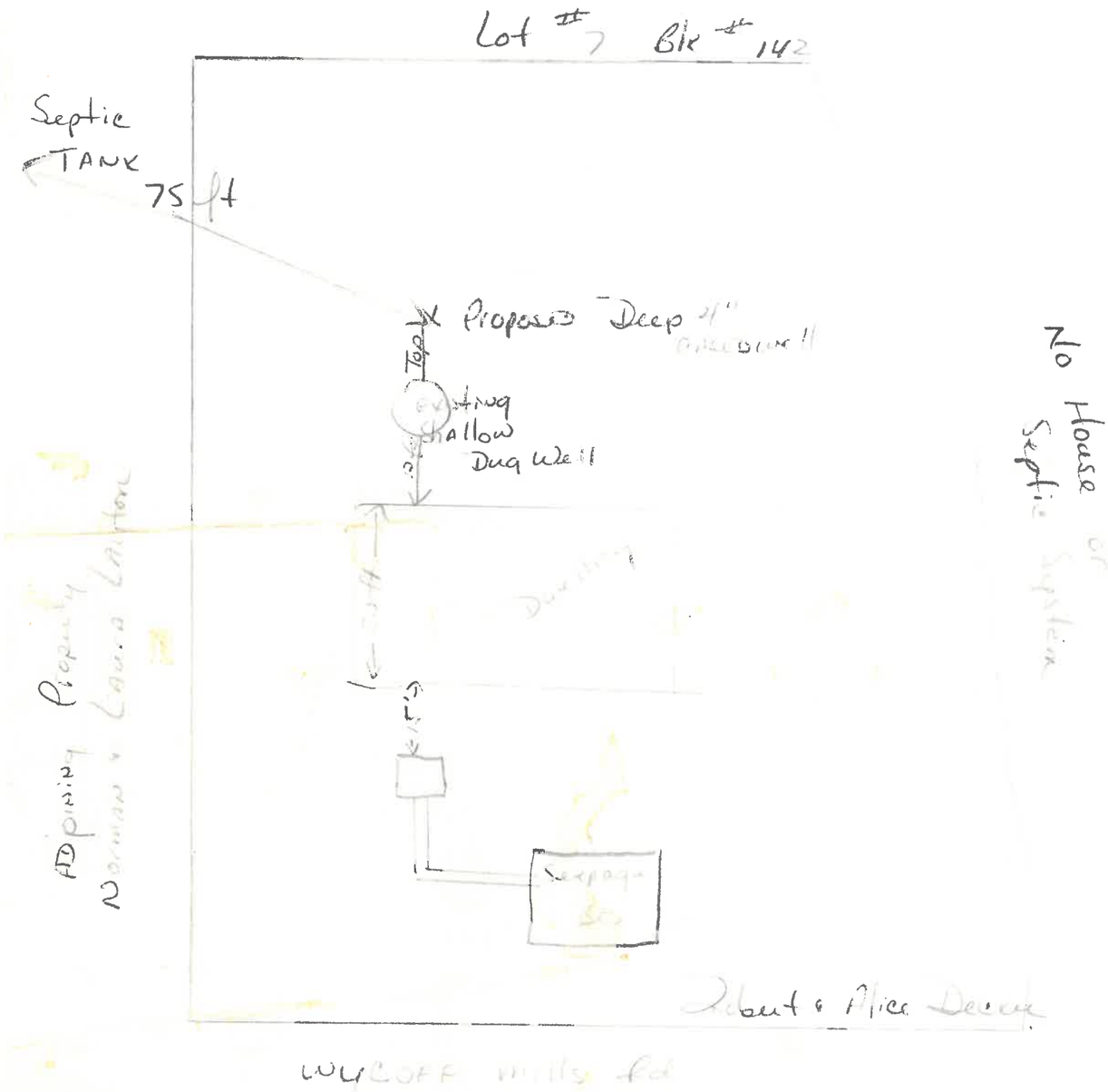
C. Location of all Buildings

D. Location of the proposed individual water supply

E. Location of sewer facilities

Owner [redacted]

Contractor Windler & Gunther


Lot # 7 Blk # 142
Septic
TANK
75 ft
Proposed Deep 4"
Top
Existing
Shallow
Dug Well
No House
Septic
Property
Adjoining
2
Seepage
Pit
Wilcoff Mills Rd

OK RPS

Permit #73348

J. R. HENDERSON

LABS, INC.
303 LINCOLN COURT
PINE BEACH, N. J. 08741

341-1211

LABORATORY ANALYSIS
WATER SUPPLY

LICENSED PLANT SUPERVISION
PLANT START-UPS

EXAMINATION OF WATER

Submitted by: Windeler & Gunther Corp. 2206 Hwy. # 9 Howell, N.J. 07731	#
	Date: 8-15-77
	Time: 5:00 P.M.
Place of Collection: [redacted] Wyckoff Mills Rd., Howell Blk 142 Lot 7	Time of Collection: **

PHYSICAL EXAMINATION

Odor: none

Color: clear

Turbidity: 0.0 units

CHEMICAL EXAMINATION

Ammonia nitrogen:	0.0 ppm	pH value:	7.14
Nitrate nitrogen:	0.0 ppm	Hardness:	110 ppm
Nitrite nitrogen:	0.0 ppm	Solids:	125 ppm as NaCl
Total nitrogen:		Maganese:	0.0 ppm
Chlorides:	10 ppm	Calcium:	60 ppm
Chlorine:		A.B.S.	0.0 ppm
Iron:	0.2 ppm		
Alkalinity:	160 ppm		

BACTERIOLOGICAL EXAMINATION OF WATER

MEMBRANE FILTER TECH.

Total Coliform per 100 ml. neg. Fecal Coliform per 100 ml. _____

REMARKS:

Yes	No	
☒	☐	This water sample is bact. safe for human consumption.
☒	☐	This water sample meets the N.J. State Dept. of Health requirements.
☐	☐	This water sample meets VA requirements.
☐	☐	This water sample meets FHA requirements.

Copy To:

Examined by: J. R. Henderson

J.R. Henderson

JRH-3

Form 99B (6-70)

RPL

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N. J.

Verification of Permit No. 79-8892

To LOCAL HEALTH OFFICER: This form bearing the dated approval stamp will verify that a permit has been issued by the Division for drilling of a well by a licensed driller for the owner named and for the purpose indicated:

Owner [redacted] Driller Windeler & Gunther Corp.

Address [redacted] Address 2206 Hwy 9, Howell,N.J. 07731

In compliance with R. S. 58:4A-14, permit is hereby issued to drill a well in

7 (lot #) 142 (block #) Howell (municipality) Monmouth (county) Use of well domestic (semi-public, domestic, industrial, public supply, test, etc.)

Diameter of Well 4 inches Proposed Depth of Well 90 Feet

Proposed Capacity of Pump 10 G.P.M. Method of Drilling ROTARY (cable-tool, rotary, jet, etc.)

The permit is applicable to a well to be used as the source or water for:

- [X] an individual water supply
- [ ] a semi-public water supply

as defined in the Standards for the Construction of Water Supply Systems for Realty Improvements (Revised 1966) promulgated pursuant to Chapter 199, P.L. 1954, or in the ordinance and/or code of the local Board of Health.

This verification is intended to satisfy the requirement in the standards and the ordinance and/or code as aforedescribed relative to evidence that a Well Drilling Permit has been issued. It does not obviate the need for submission of the additonal data required for either certification or the issuance of a permit or license under such regulations as are being enforced locally.

USE THIS SPACE AND REVERSE SIDE FOR ADDITIONAL INFORMATION REQUIRED BY STANDARDS FOR CONSTRUCTION UNDER SECTION 7.2.1

This space for Approval Stamp

WELL PERMIT
APPROVED
JUN 30 1977
DEPT. ENV. PROTECTION
DIV. WAT. RES.
WIDMER
STATE HYDROLOGIST

REPAIR

BOARD OF HEALTH
TOWNSHIP OF HOWELL
P.O. BOX 558, HOWELL, N.J. 07727

Pd CK

No. A-1298
Date 5-13-74

APPLICATION FOR

_____ PERMIT TO LOCATE AND CONSTRUCT AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM.
✓ PERMIT TO ALTER AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Location - Address [redacted] Wyckoff Mills Rd or Block No. 142 Lot No. 7

Owner (print) [redacted]

Present Address Same

Name and Address of Contractor (print) Thomas Trenching Co.

Type of Building to be Served HOUSE Use: Yearly ✓ Summer _____

Dwelling unit: No. of Bedrooms 2 Expansion Attic: Yes _____ No ✓

Other: Type of Business _____ No. Plumbing Units _____

Size of Lot 176 X 120 Area Sq. Ft. 21,120

PRIMARY TREATMENT (For definitions see other side)

Septic Tank: Shape — Rectangular _____ Cylindrical _____ Material _____

Width _____ Length _____ Liquid Depth _____ Total Depth _____

Diameter (if cylindrical) _____

CAPACITIES: Guide for Septic Tanks

NUMBER OF BEDROOMS	Liquid Capacity of Tank	RECOMMENDED INSIDE DIMENSIONS Length	Width	Liquid Depth	Depth Total
	Gallons	Ft. In.	Ft. In.	Ft. In.	Ft. In.
2 or less	750	7—6	3—6	4—0	5—0
3	900	8—0	3—6	4—4	5—6
4	1,000	8—0	4—0	4—4	5—6
Each additional bedroom, add	250				

SECONDARY TREATMENT (for definition see other side)

Disposal Trenches: Width _____ Depth _____ Feet of pipe _____

Distance between lines _____ Type and size of pipe _____

Disposal Bed: Width 10' Length 25' Area Sq. Ft. 250

Feet of pipe 75' Type and size of pipe 4" perf.

Distance between lines 3'

Seepage Pits: Number _____ Shape — Rectangular _____ Cylindrical _____ Material _____

Width _____ Length _____ Total depth _____ Distance between pits _____

Diameter (if cylindrical) _____

Soil is: ( ) Loam ( ) Sandy loam. ( ) Clay. ( ) Sandy clay. ( ) Course sand, gravel. ( ) Hardpan. ( ) Rock. Other _____

Percolation Tests **Performed By** **Date**

Hole No.	Time in Min. per in.	Number of test to determine saturation	Depth	Type of soil encountered, depth of each type
			12"	Topsoil
			24"	Fine Sand & gravel
			16"	Course Sand & gravel
			34"	Course Sand

(over)

Satis Insp. 5/21/74 ad

WATER ENCOUNTERED AT 7'2" 5/13/74

5-20-74 OK AR

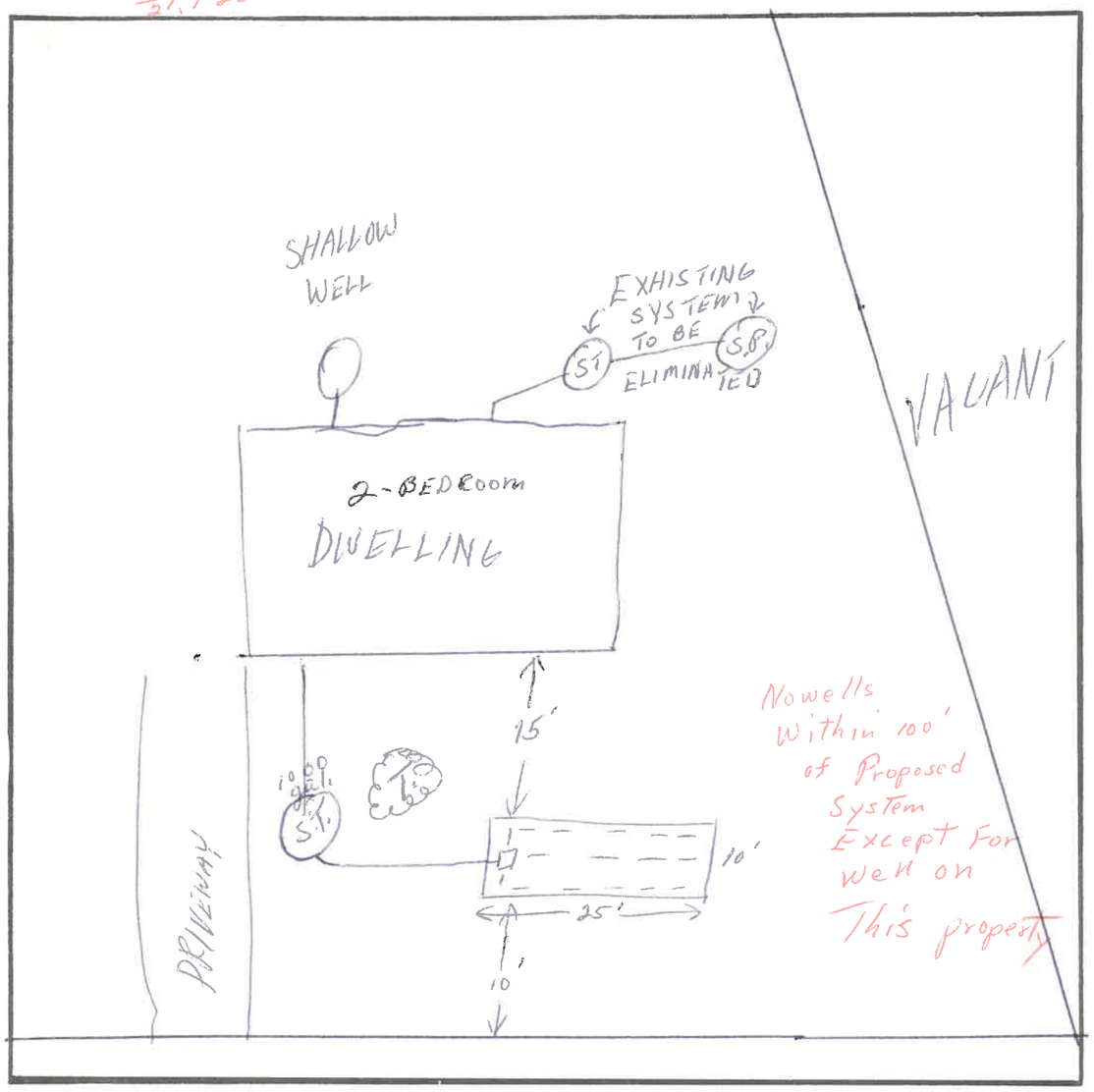
Site Plan 5/14/74 OK CR

176
120
3520
176
21,120

NEIGHBORING WELL OVER 100' AWAY From Alteration

Sketch of Proposed Installation

See Note



Note: Make an accurate sketch showing the following: lot dimensions, location of house, location of each unit of disposal system, all buildings and large trees in disposal area. Include distance from house, side and rear lot lines, wells, auxiliary buildings, large trees and sewerage units.

The undersigned agrees to construct the afore described Individual Sewage Disposal System in accordance with the provisions of the Board of Health of the Township of Howell, N. J.

Owner: _____

Contractor: C. Thomas

DEFINITIONS

INDIVIDUAL SEWAGE DISPOSAL SYSTEM. An individual sewage disposal system is a subsurface sewage disposal system designed and constructed to treat sewage in a manner that will retain most of the settleable solids in a water-tight tank and to discharge the liquid portions to an adequate disposal area.

SEPTIC TANK. A septic tank is a water-tight receptacle which receives the discharge of sewage from a building sewer or part thereof, and is designed and constructed so as to permit settling of settleable solids from the liquid, digestion of the organic matter by detention, and discharge of the liquid portion into a disposal area.

DISPOSAL TRENCH. Disposal trenches are shallow ditches with vertical sides and flat bottoms partially filled with a satisfactory filtering material in which a single distribution line has been laid, covered with top soil and a suitable vegetative cover.

DISPOSAL BED: A disposal bed consists of a shallow area from which the entire earth contents have been removed, and the excavation partially filled with a satisfactory filtering material in which distribution lines have been laid and the entire area covered with top soil and a suitable vegetative growth.

SEEPAGE PIT: A seepage pit is a covered pit with open jointed lining through which septic tank effluent or laundry waste may seep or leach into the surrounding soil.

S-25-0104

APPENDIX B
STANDARD FORMS FOR SUBMISSION OF SOILS/ENGINEERING DATA
COUNTY: **Monmouth** MUNICIPALITY: **Howell**
Form 1
General Information

1. Type of Permit Needed (Check applicable categories):
___ New Construction ___ Alteration/No Expansion or Change of Use
___ Alteration/Expansion or Change in Use _X_ Alteration/Malfunctioning System
___ Deviation from Standards ___ Repairs to Existing System ___ New System (Ex. structure)
2. Location of Project:
Municipality **Howell**
Block No. **142** Lot No. **7**
Street Address: **581 Wyckoff Mills Road, Howell, NJ 07710**
3. Name of Applicant (print): [redacted]
4. Applicant's Present Address:
581 Wyckoff Mills Road, Howell, NJ 07710
5. Applicant's Phone Number:
6. Type of Facility:
_X_ Residential
____ Commercial/Institutional, Specify Type of Establishment:
7. Type of Wastes to be Discharged:
_X_ 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
_X_ 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
_X_ 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: _____ Date: **8/8/2025**

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: _____

TOWNSHIP OF HOWELL
RECEIVED
2025 OCT 17 A 9:51
CLERK'S OFFICE

Form 2a
General Site Evaluation Data

COUNTY: **Monmouth** MUNICIPALITY: **Howell**
Block No. **142** Lot No. **7**

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):
_X_ Site Plan
_X_ KeyMap Showing Location of Site On U.S.G.S. Quadrangle or Other Accurate Map
_X_ KeyMap Showing Location of Site on U.S.D.A. Soil Survey Map
_X_ 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 License #: _____
N.J.P.E. #35284

Form 2b
Soil Log and Interpretation

COUNTY: **Monmouth** MUNICIPALITY: **Howell**
Block No. **142** Lot No. 7

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

2. Soil Log: **SEE DESIGN PLAN FOR SOIL LOGS**

3. Ground Water Observations:
_X_ Seepage—Indicate Depth: **80''**
___ 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: ___
_X_ Regional Zone of Saturation—Depth: **24'' (mottles)**

5. Soil Suitability Classification: **IIWr**

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 Date: _____
Signature of Professional Engineer License #: _____
N.J.P.E. #35284

Form 3a
Soil Permeability Data

COUNTY: **Monmouth** MUNICIPALITY: **Howell**
Block No. **142** Lot No. **7**

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	**TP 1**	**A/B**	**46''-94''**	**K-5**

* 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 ___
_X_ 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 Date: _____
Signature of Professional Engineer License #: _____
N.J.P.E. #35284

Form 4
General Design Data

1. Volume of Sanitary Sewage: **350 GPD**
_X_ Residential: No. of Dwelling Units **1** Total No. of Bedrooms **2** 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
2. Alterations or Repairs
a) Reason for Alteration or Repair (Check appropriate categories):
___ Expansion or Change in Use ___ Upgrade Existing Facilities
_X_ Correct Malfunctioning System ___ Other Specify ___
b) Describe Nature of Alteration or Repairs:

3. System Components:
a) Grease Trap Capacity, gals ___
Show Calculation Used: ___
b) Septic Tank Capacities, gals: **1,000 gal**
X Second Compartment ___ Third Compartment
c) Effluent Distribution
Method: ___ Gravity Flow _ Gravity Dosing **X** Pressure Dosing
Dosing Device: **X** Pump ___ Siphon
d) Dosing Tank Capacities, gals: Total Capacity **1,000 gal** Dose Vol. **87.5 gal**
Reserve Capacity: **681.3 gal**
e) Laterals: **10** Pipe Diameter: **1''** Spacing: **3'-0'' O.C.**
f) Connecting Pipe: Diameter **2''** Length **35'**
g) Manifold: Diameter **2"** Length **12'**
h) Disposal Field: Type of Installation **MSR**
Design Permeability (Percolation Rate) **K-4**
Trenches: Width ___ Total Length ___
Bed Area: **414 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
_X_ 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 Date: _____
N.J.P.E. #35284

Form 5
Design of Pressure Dosing System

1. Configuration of Distribution Network:
   Type of Manifold: X End __ Central
   Distribution Laterals Number: **5** Length(ft): **21'**
   Spacing(ft): **3'-0'' O.C.**
   Hole Diameter(ins): **¼"** Hole Spacing(in): **30''**
   Diameter of Laterals(in): **1''**

2. Lateral Discharge Rate:
   Design Pressure Head at Supply End of Laterals, Hp , ft: **2.5'**
   Hole Discharge Rate, Q, gpm: **1.18**
   Number of Holes per Lateral, n: **8 (avg)**
   Lateral Discharge Rate, (Q x n) gpm: **9.4 GPM**

3. Manifold Length(ft): **12'** Manifold Diameter(in): **2"**

4. System Discharge Rate, gpm: **47.2 GPM**

5a. Pump Section:
   Diameter of Delivery Pipe: **2''** Length of Delivery Pipe: **35'**
   Friction Loss in Delivery Pipe, Hf , ft: 3.59/100 x 35') = **1.3**
   Elevation of Dosing Tank Low Water Level: **93.06**
   Elevation of Lateral Invert: **99.70**
   Elevation Head, He, ft: **6.64'**
   Total Operating Head, H (Hp + Hf + He), ft:
   2.5' + 1.3 + 6.64' = **10.44'**, say 11'
   Pump Model: **3886** Rate Horsepower: **0.5 H.P.**
   Pump Discharge Rate at Total Operating Head, gpm: **99 GPM**

6. Dose Volume:
   Design Volume of Sewage, gal/day **350 GPD**
   Design Permeability, in/hr 6-20 or Percolation Rate, min/in **K-4**
   Interval Volume of Distribution Network **5.7 gal**
   Dose Volume .25(Q) = **87.5 Gal maximum (use 100 gal)**

Signature of Professional Engineer Date: _____
N.J.P.E. #35284

Goulds

Submersible Sewage Pump

MODEL

3886

CANADIAN STANDARD ASSOCIATION

APPLICATIONS

Specifically designed for the following uses:
- Homes
- Sewage systems
- Dewatering
- Water transfer

SPECIFICATIONS

Pump:
- Solids handling capabilities: 1½" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 140 GPM.
- Total heads: up to 26 feet TDH.
- Mechanical seal: silicon carbide rotary/silicon carbide stationary. 300 series stainless steel metal parts, BUNA-N elastomers.
- Temperature: 104°F (40°C) continuous 140°F (60°C) intermittent.
- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.

Motor:
- Single phase: ½ HP, 115 V or 230 V, 60 Hz, 1750 RPM. Built-in overload with automatic reset.
- Three phase: ½ HP, 200/230 /460 V, 60 Hz, 1750 RPM. Class B insulation. Overload protection must be provided in starter unit.
- Shaft: threaded 400 series stainless steel.
- Bearings: ball bearings – upper and lower.
- Power cord: 20 foot standard length (optional lengths available). Single phase: 16/3 SJTO with three prong plug. Three phase: 14/4 STO with bare leads. On CSA listed models: 20 foot length SJTW or STW are standard.

FEATURES

Impeller: Cast iron, semi-open, non-clog with pump out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge, adaptable for A10-20 slide rail systems.

Mechanical Seal: Silicon carbide vs. silicon carbide sealing faces, stainless steel metal parts, BUNA-N elastomers.

Shaft: Corrosion-resistant stainless steel. Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation.

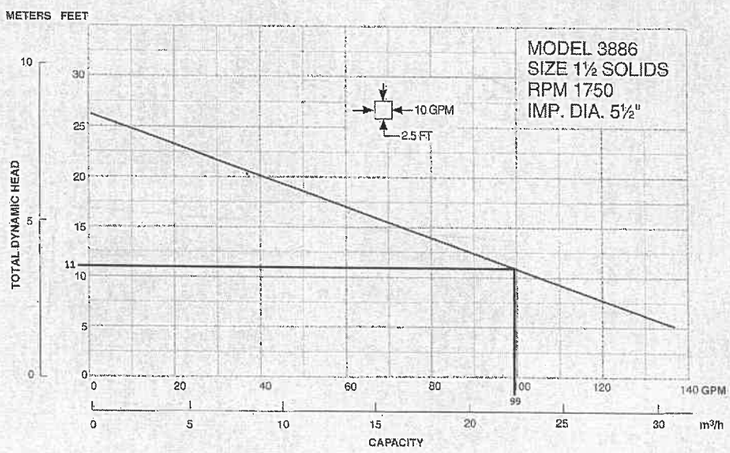
Motor: Fully submerged in high grade turbine oil for lubrication and efficient heat transfer.

Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage.

Bearings: Upper and lower heavy duty ball bearings construction.

Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking.

O-ring: Assures positive sealing against contaminants and oil leakage.



© 1994 Goulds Pumps, Inc.

Effective May, 1994
B3886

Notice of Advanced Wastewater Treatment or Disposal Technology

THIS NOTICE OF ADVANCED WASTEWATER TREATMENT OR DISPOSAL TECHNOLOGY is made the __ _____day of __ _____, __2025___ by and between:

_____	_____
_____	_____
_____, New Jersey _____	_____, New Jersey _____
(hereinafter "Grantor")	(hereinafter "Grantee")

WITNESSETH:

Grantor hereby places Grantee, its heirs, successors and assigns on notice of an advanced wastewater treatment system, Fuji CE-5 ("System") located upon the land commonly known as 581 Wycoff Mills Road and designated as Block 142 Lot 7 of Howell Township, Monmouth County ("Property"), for the sole and exclusive purpose of notifying the Grantee, its heirs, successors and assigns of the existence of the System, and the maintenance requirements that accompany the operation and use.

This type of system is an alternate technology approved by the New Jersey Department of Environmental Protection under Permit which requires specialized maintenance through an authorized provider. This responsibility shall run with the land/until/unless the system is replaced.

The System shall comply in all respects with federal, state and local laws, including N.J.A.C. 7:9A-1, et seq. Grantor shall furnish to Grantee the following materials: (1) Maintenance contract and maintenance history for the System; (2) Contact information for the maintenance contractor responsible for maintaining the System; and (3) Owner's manual for the System.

Grantee, its heirs, successors and assigns shall be solely responsible for maintenance and repair of the System for the duration of their ownership of the Property and shall grant the Administrative Authority access to the Property for the purpose of monitoring, inspection and maintenance.

IN WITNESS WHEREOF, the Grantor and Grantee have caused this instrument to be signed the day and year first written above.

_____
Grantor/Grantee

_____
Grantor/Grantee

BEFORE ME, personally appeared _____, known to me to be the individual(s) described in and who executed the foregoing instrument, and acknowledged before me that he/she/they executed the same for the purposes herein expressed.

WITNESS my hand and official seal this _____day of _____, 20_____

_____
Sworn to and subscribed before me
the year and day first above written.

No. S-25-0104

DATE OF EXPIRATION
OCTOBER 17, 2026

Clerk's Office

HOWELL TOWNSHIP

2025 License

Individual Subsurface Sewage Disposal System Permit

Issued To: [redacted]

Address: **142/7 - 581 WYCKOFF MILLS ROAD Howell Township**

Contractor **LORTECH ENGINEERING**

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: OCTOBER 17, 2025

Type Alteration Septic Fee: $140.00

Heath Lipson

Howell Township

Payment PMT-25-14422 with Fee Items

Tracking	Date	Cash	Charge	Check	Check #	Account	Rec
PMT-25-14422	10/17/2025	0	0	140	1327		Ang
							R-25-4123
		581 WYCKOFF MILLS ROAD S-25-0104				Temporary	Balance
Sewage Permit Application Fee	SEWAGE PERMIT APPLICATION FEE ACCOUNT	581 WYCKOFF MILLS ROAD		S-25-0104			0
							0

1 Payments	Cash Total	Charge Total	Check Total	Total	Balance
1 Fee Items	$0.00	$0.00	$140.00	$140.00	$0.00

Totals by Department	Fee Total	Paid Total		Fee Total	Paid Total		Adju
Construction	$0.00	$0.00	Zoning Board	$0.00	$0.00	Refund	$0
Engineering	$0.00	$0.00	Planning Board	$0.00	$0.00	Bounced Check	$0
Public Works	$0.00	$0.00	Land Use	$0.00	$0.00	Charge Back	$0
Health Pro	$140.00	$140.00	Code Enforcement	$0.00	$0.00	Adj Total	$0
Pet	$0.00	$0.00	Fire Prevention	$0.00	$0.00	**Grand Total**	**$**

Notice of Advanced Wastewater Treatment or Disposal Technology

THIS NOTICE OF ADVANCED WASTEWATER TREATMENT OR DISPOSAL TECHNOLOGY is made the 31 day of October, 2025 by and between:

[redacted]
581 Wyckoff Mills Road
Howell, New Jersey 07731
(hereinafter "Grantor")

[redacted]
581 Wyckoff Mills Road
Howell, New Jersey 07731
(hereinafter "Grantee")

WITNESSETH:

Grantor hereby places Grantee, its heirs, successors and assigns on notice of an advanced wastewater treatment system, Fuji CE-5 ("System") located upon the land commonly known as 581 Wycoff Mills Road and designated as Block 142 Lot 7 of Howell Township, Monmouth County ("Property"), for the sole and exclusive purpose of notifying the Grantee, its heirs, successors and assigns of the existence of the System, and the maintenance requirements that accompany the operation and use.

This type of system is an alternate technology approved by the New Jersey Department of Environmental Protection under Permit which requires specialized maintenance through an authorized provider. This responsibility shall run with the land/until/unless the system is replaced.

The System shall comply in all respects with federal, state and local laws, including N.J.A.C. 7:9A-1, et seq. Grantor shall furnish to Grantee the following materials: (1) Maintenance contract and maintenance history for the System; (2) Contact information for the maintenance contractor responsible for maintaining the System; and (3) Owner's manual for the System.

Grantee, its heirs, successors and assigns shall be solely responsible for maintenance and repair of the System for the duration of their ownership of the Property and shall grant the Administrative Authority access to the Property for the purpose of monitoring, inspection and maintenance.

IN WITNESS WHEREOF, the Grantor and Grantee have caused this instrument to be signed the day and year first written above.

[redacted]
Grantor/Grantee

[redacted]
Grantor/Grantee

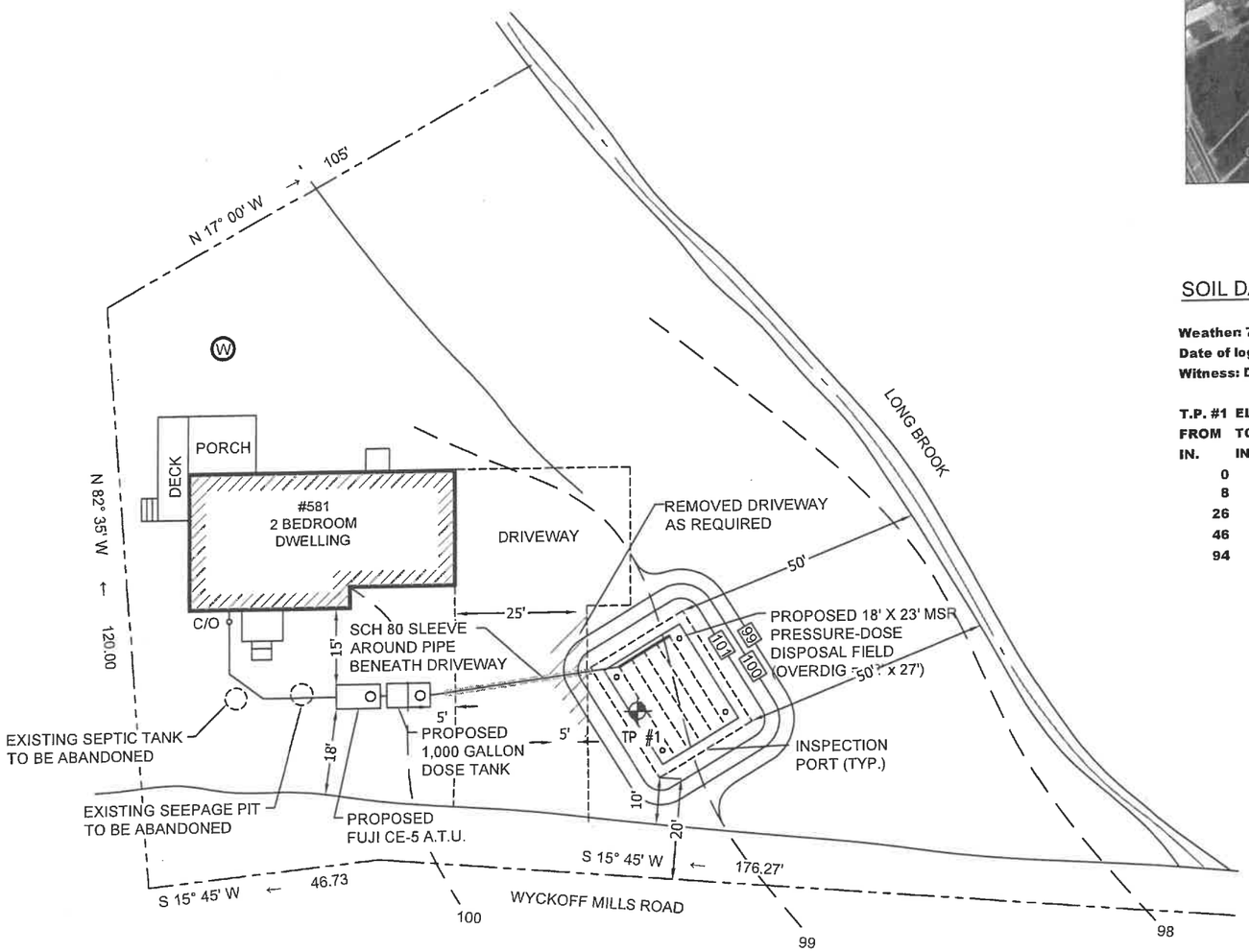
BEFORE ME, personally appeared [redacted] own to me to be the individual(s) described in and who executed the foregoing instrument, and acknowledged before me that he/she/they executed the same for the purposes herein expressed.

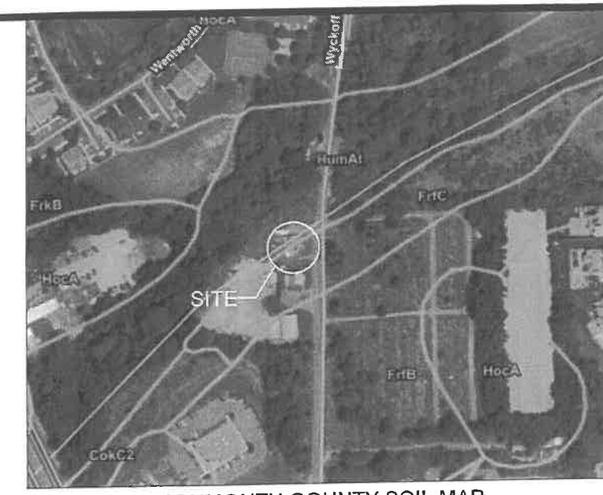
WITNESS my hand and official seal this 31 day of October, 2025

Sworn to and subscribed before me the year and day first above written.

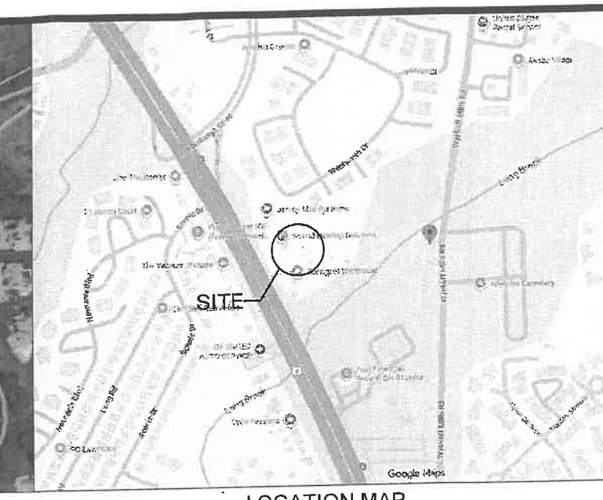
SUSAN MOORE
Notary Public - State of New Jersey
My Commission Expires Jun 11, ~~2035~~ 2030

LEGEND									
	PROPERTY LINE	97.6	PROPOSED CONTOUR	X 97.6	PROPOSED ELEVATION		POST FENCE	W	WELL
97.6	EXISTING CONTOUR	X 97.6	SPOT ELEVATION		CHAIN LINK FENCE		TREE LINE	W	WATER LINE





MONMOUTH COUNTY SOIL MAP
Frf: FREEHOLD LOAMY SAND



LOCATION MAP

SOIL DATA

Weather: 75° Cloudy
Date of logs: August 5, 2025
Witness: Daria Vinci, MCBH

T.P. #1 ELEV. 99.2

FROM IN.	TO IN.	FROM ELEV	TO ELEV	K Rating	DESCRIPTION
0	8	99.20	98.53		Topsoil
8	26	98.53	97.03		SG Loam, 20% Gravel, 10YR 6/5
26	46	97.03	95.37		Silt Loam, SAB, Fri, 10YR 2/1
46	94	95.37	91.37	K-5	SG Sand, Loose, 10YR 6/1
94	106	91.37	90.37		SG Sand, Loose, 10YR 5/5

Seepage at 80", CMD Mottles at 24"
SHWT ELEV = 97.20

DESIGN CRITERIA

The septic system at the subject residential property has failed.

The dwelling contains two (2) bedrooms with no garbage disposal, no ejector pit, and no expansion room.

Design flow for two (2) bedrooms: 200 + 1(150) = 350 GPD

Field size required w/K-4 fill and pressure-dose design:
350 GPD x 0.956 = 334.6 SF

Field size proposed: 18' x 23' = 414.0 SF
(overdig = 22' x 27')

Proposed Fuji CE-5 septic tank. Tank to have 6" diameter, NSF approved effluent filter. Both tanks to have locking covers to grade.

Soil suitability = IIWr

OWNER/APPLICANT

[redacted]
581 WYCKOFF MILLS ROAD
HOWELL, NJ 07710

0 30' 60'

DESIGNED BY: WCL	DRAWN BY: EF	APPROVED BY: WCL

WILLIAM C. LONGO, P.E.
N.J. PROFESSIONAL ENGINEER NO. 35284

LORTECH INC.
CONSTRUCTION ENGINEERING
182 South Street, Freehold, NJ 07728
NJ Cert. of Authorization No. 24GA28076800
Phone: (732)-863-1403 Fax: (732)-863-1405

SEPTIC SYSTEM
ALTERATION DESIGN

581 WYCKOFF MILLS ROAD
BLOCK 142, LOT 7
HOWELL, NJ
MONMOUTH COUNTY

SCALE:	DATE:	SHEET:	PROJECT #:
1" = 30'	8/8/2025	1 OF 3	25-435

GENERAL NOTES

1. Survey by Robert S. Yuro, NJLS #19463 dated 7/12/1984.

2. No landscaping trees, shrubs, etc. are to be planted, or remain within ten (10') feet of the disposal field.

3. When fill material is utilized within the zone of treatment, the fill shall meet the requirements of NJAC 7:9A-10.1(f)4, i.e. C-33 Concrete sand.

4. Compaction shall be performed per N.J.A.C. 7:9A-10.4 iii, iv, as follows:

iii. Fill material shall be spread and compacted in layers one foot or less in thickness.

iv. Compaction may be accomplished manually or mechanically, by tamping or rolling, or by driving over the filled area in a controlled pattern using tracked or rubber tired vehicles. Compaction may also be accomplished by puddling.

5. All material shall conform to N.J.A.C. 7:9A specifications.

6. A 6" diameter, NSF approved effluent filter to be installed on the 1,000 gallon septic tank. Locking covers to grade to be provided. Tanks to be vacuum tested.

7. Septic Stone to be 1 1/2" washed.

8. Existing system to be abandoned as noted.

9. Other than noted, no other wells are located within 100' of proposed disposal field.

10. All disturbed ground shall be seeded and mulched to facilitate ground cover.

11. The imported fill, shall be certified by a New Jersey licensed engineer INCLUDING TUBE PERMEAMETER TESTS OF IN PLACE IMPORTED FILL AND SIEVE ANALYSIS CONFIRMING THAT MATERIAL MEETS ASTM C-33 SPEC. BOTH REQUIRE A&B REPLICATES. COMPACTION MUST ALSO BE CERTIFIED BY ENGINEER. A MINIMUM OF 72 HOURS NOTICE TO THE ENGINEER IS REQUIRED. SHOULD THE INSTALLATION PROCEED WITHOUT INSPECTION BY THE ENGINEER, THE ENGINEER RESERVES THE RIGHT TO HAVE THE WORK UNCOVERED FOR PROPER INSPECTION. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE COST OF THIS WORK.

12. Any conditions found which are not representative of this plan shall immediately be brought to the attention of the design engineer.

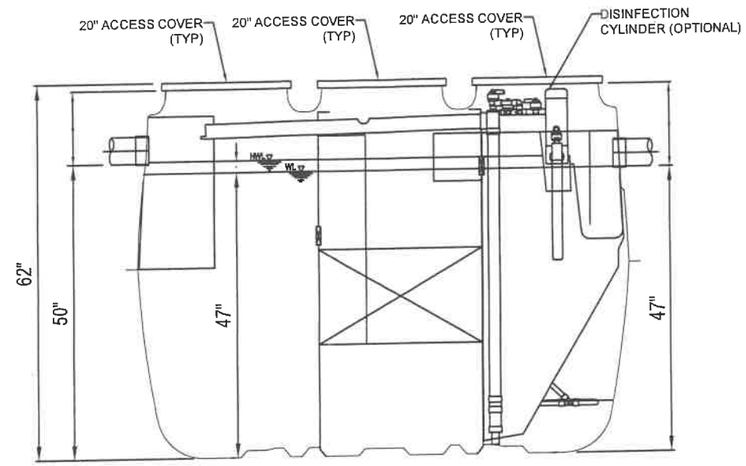
13. The contractor shall verify any and all underground utilities prior to excavation.

14. No water softener backwash permitted in system.

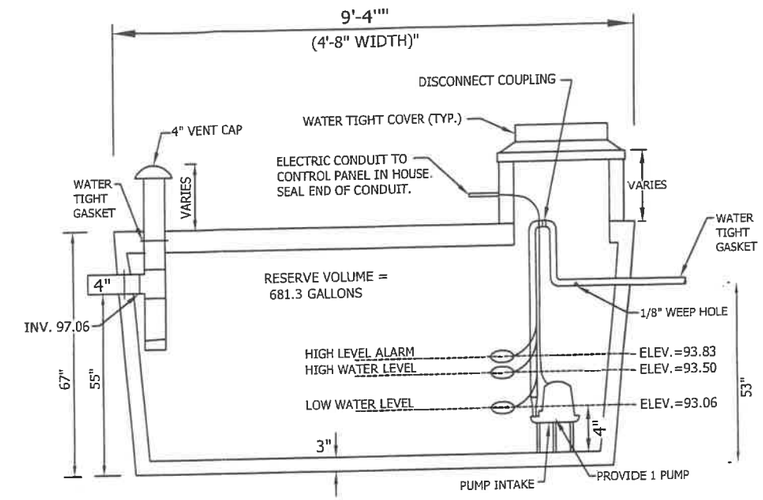
15. The contractor is responsible for obtaining electrical permit.

RESERVE CAPACITY:

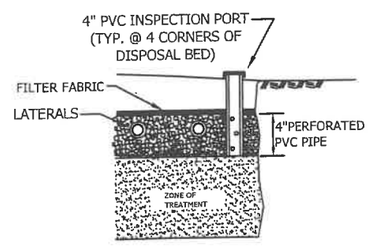
INTERIOR S.A. OF 1,000 GAL. TANK = 28.2 SF
RESERVE CAP.= INL. INV. - H.L.A. x INT. S.A.:
97.06 - 93.83 x 28.2 SFx 7.48 GAL/C.F. = 681.3 GAL



FUJI CE-5
N.T.S.



1,000 GALLON DOSE TANK
N.T.S.



INSPECTION PORT DETAIL
N.T.S.

PUMP MODEL:

A GOULD MODEL 3886, .5 H.P., 1 PHASE PUMP WILL PUMP 99 GPM AGAINST A 11' T.D.H.

PUMP FLOAT DISTANCE:
1,000 GAL TANK HAS AVG INT. SA OF 28.2 SF
V = Vcp + Vd + Vp
Vcp = 5.71 GAL, Vd = 100 GAL, Vp=0.5 GAL
V = 5.71 + 100 + 0.5 = 106.21 GAL
106.21/7.48 GAL/CF/28.2 SF =0.50'

DESIGNED BY:	DRAWN BY:	APPROVED BY:
WCL	EF	WCL

WILLIAM C. LONGO, P.E.
N.J. PROFESSIONAL ENGINEER NO. 35284

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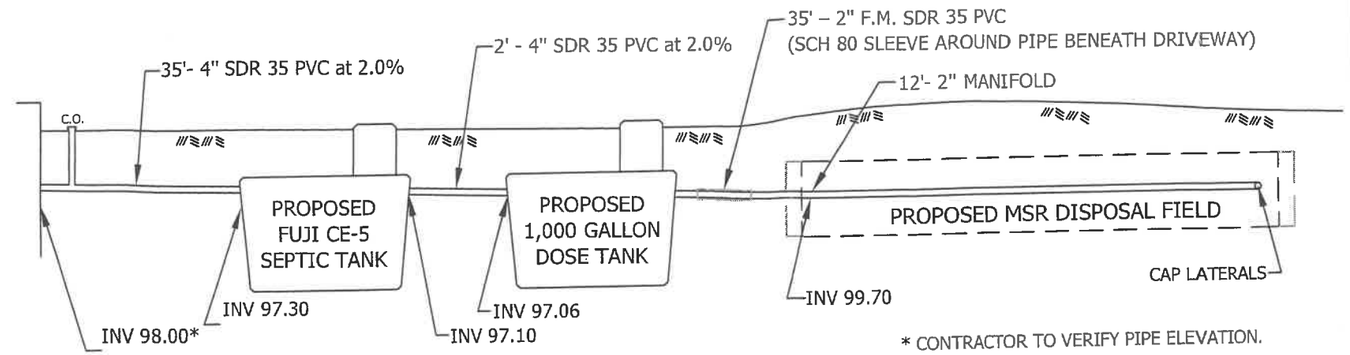
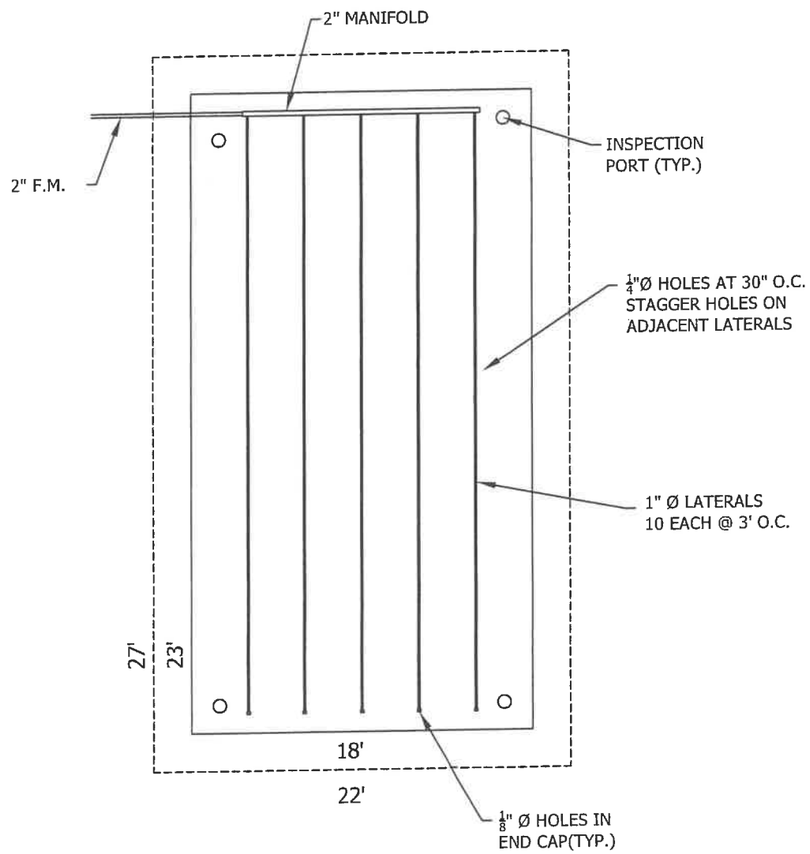
SEPTIC SYSTEM CONSTRUCTION DETAILS

581 WYCKOFF MILLS ROAD
BLOCK 142, LOT 7
HOWELL, NJ
MONMOUTH COUNTY

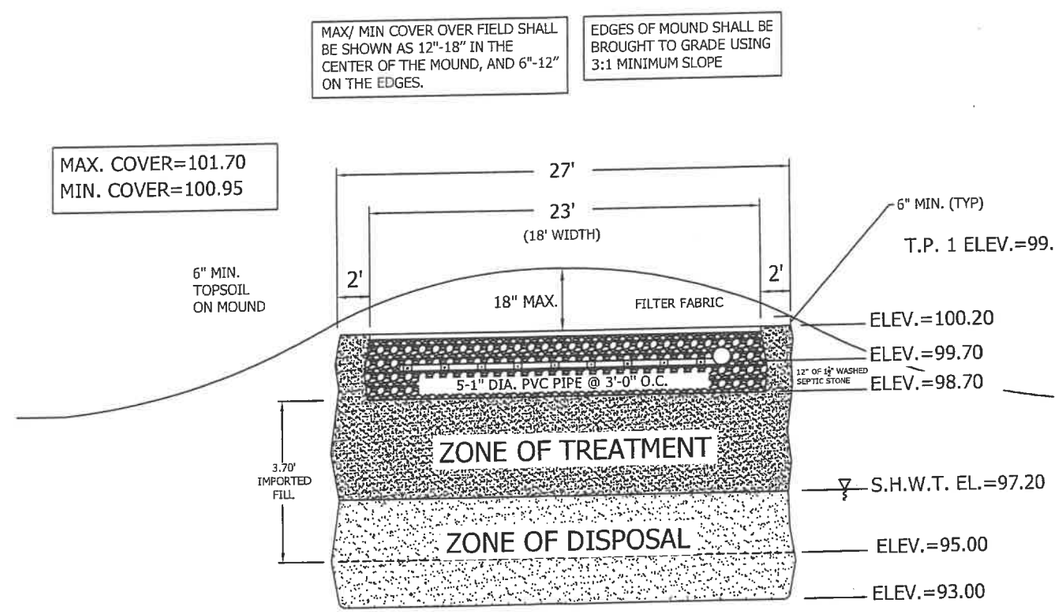
SCALE:	DATE:	SHEET:	PROJECT #:
N.T.S.	8/8/2025	2 OF 3	25-435



SYSTEM PROFILE
N.T.S.



MSR FIELD LATERAL LAYOUT
N.T.S.



MSR DISPOSAL FIELD
N.T.S.

DESIGNED BY: WCL	DRAWN BY: EF	APPROVED BY: WCL

WILLIAM C. LONGO, P.E.
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