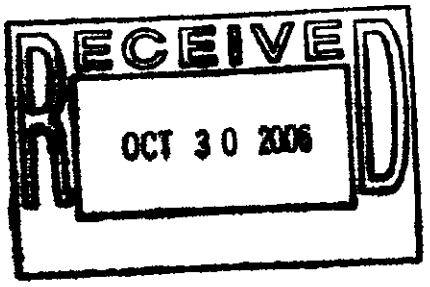
LORTECH, INC.

ENGINEERING & TECHNICAL SUPPORT SERVICES



October 27, 2006

Ms. Dana Scotto
Manalapan Township Health Department
120 Route 522
Manalapan, NJ 07726

Re: Septic Alteration
Lot 3 Block 8420
Manalapan Township

Dear Ms. Scotto:

Enclosed please find an as-built sketch of the septic alteration performed at the above referenced location. Also enclosed is a sealed copy of our fill certification. Regarding the sieve analysis, I am not in possession of a copy and, as discussed, Renny Freyer is no longer in the area. I am aware that the fill was supplied by Preston, and that Preston provides sealed sieve analysis with their material.

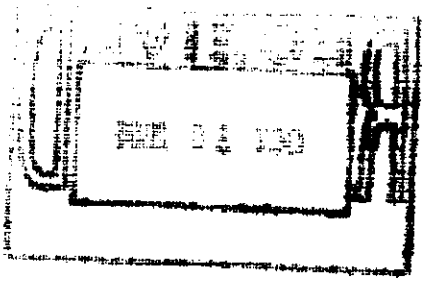
Please contact me with any questions you may have.

Sincerely,

William C. Longo, P.E.

enc.
cc: Mr. & Mrs. Droutman w/enc.

182 SOUTH STREET • FREEHOLD, NEW JERSEY 07728
PHONE (732) 863-1403 • FAX (732) 863-1405



LORTECH, INC.

ENGINEERING & TECHNICAL SUPPORT SERVICES

November 24, 2004

Ms. Dana Scotto
Manalapan Township Health Department
120 Route 522
Manalapan, NJ 07726

Re: Fill Certification
Lot 3 Block 8420
Manalapan Township

Dear Ms. Scotto:

This letter shall certify that the imported fill for the septic system at the above referenced lot was installed at the location and elevation shown on the approved septic system design plan.

Samples of the loamy sand fill were retrieved and tube permeameter tests were run. The slowest permeability was 17.8 inches/hour which satisfies the K-4 fill criteria.

Compaction was performed utilizing the roller method and was deemed in accordance with NJAC 7:9A-10.4,(f),3,iii & iv.

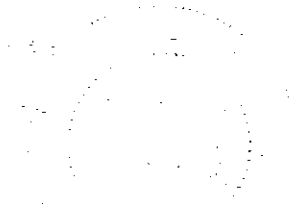
If you have any questions regarding this certification please contact this office.

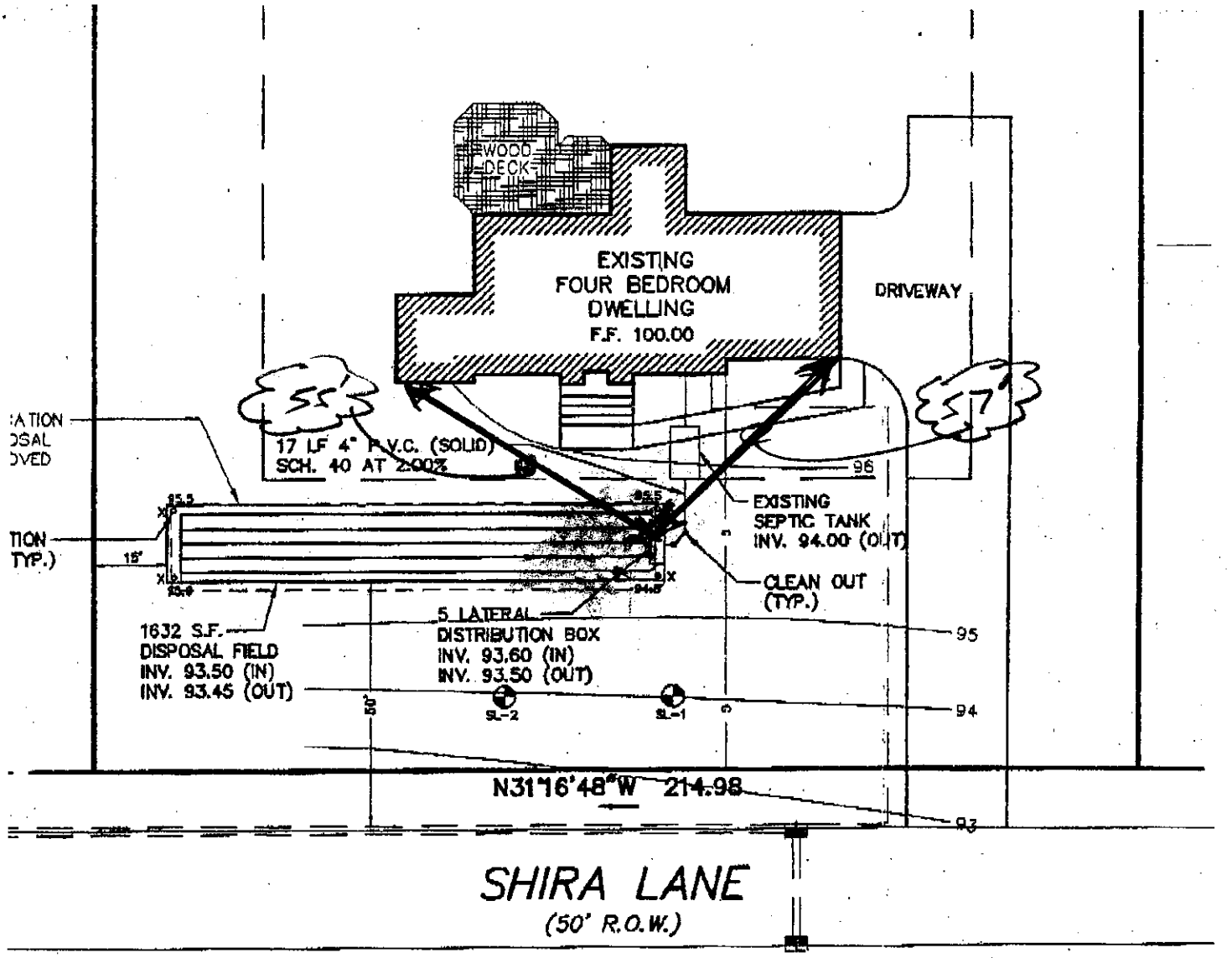
Sincerely,

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

cc: Freyer Contracting

182 SOUTH STREET • FREEHOLD, NEW JERSEY 07728
PHONE (732) 863-1403 • FAX (732) 863-1405





GRAPHIC SCALE

0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

E3 = AS-BUILT DIMENSION

Block 8420

LOT 3

MANALAPAN TWP.

PERFORATED LOOPED ENDS

PROVIDE 90° ELBOW AT END OF LATERAL TO JOIN PIPES IN A LOOP

EXISTING DWELLING

Board of Health
Manalapan Township

New Installation Fee: $100.00
Alteration Fee 90.00

Permit No. 4162
Date 9/24/04 Rec. Plan 9-24-04

APPLICATION FOR

_____ Permit to locate and construct an individual sewage disposal system

✓ Permit to alter or repair an individual sewage disposal system

Location Address 5 Shira Ln Block 8420 Lot 3

Owner Randi Proutman Phone Number (732) 303-9317

Present Address 5 Shira Ln, Manalapan NJ 07726

Name of Contractor _____ Phone Number _____

Address of Contractor _____

Type of Building to be Served Residential Use: Yearly ✓ Summer ___

Dwelling Unit: No. of Bedrooms 4 Expansion Attic: Yes ___ No ✓

Other: Type of Business _____ No. Realty Improvements _____

Area Sq. Feet _____

PRIMARY TREATMENT

Volume of Sewage Gal 650

Septic Tank Shape ~~Exist~~ Rectangular _____ Cylindrical _____ Material _____

Width _____ Length _____ Liquid Depth _____

Garbage Disposal ___ Other Specify _____ Total Capacity _____

SECONDARY TREATMENT

Disposal Trenches: Width _____ Depth _____ Area Sq. Feet _____

Distance between lines ~~X~~ Type and Size of pipe _____

Disposal Bed: Width 27 Length 39 Area Sq. Feet 1053

Feet of pipe 312' Type and Size of pipe 4" perf PVC

Distance between lines 3

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

Width _____ Length _____ Total _____ Distance between pits _____

Diameter if cylindrical _____ Area Sq. Feet (sides only) _____

SOIL CHARACTERISTICS (Attach copy)

Monmouth County Soils Maps

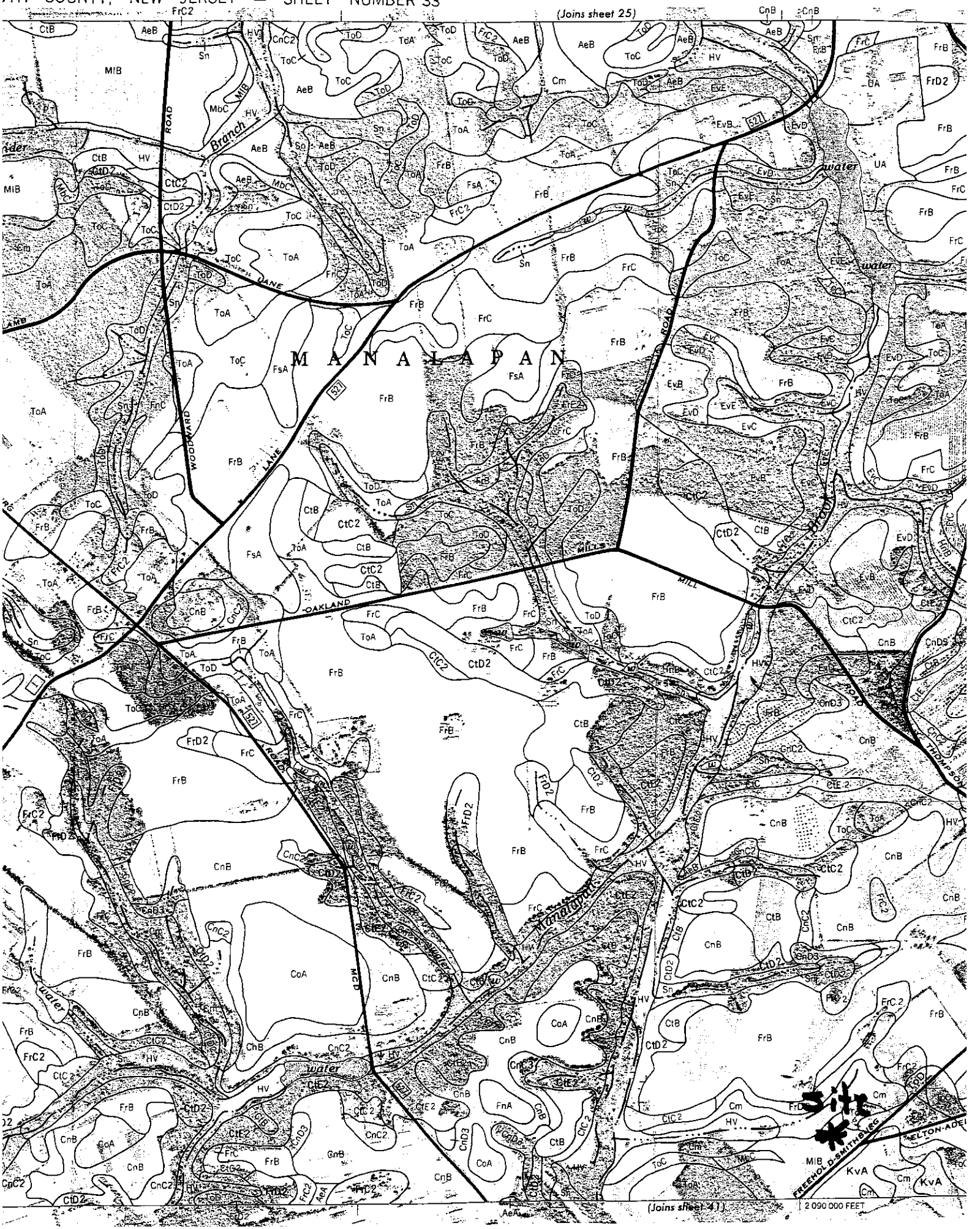
Series Name: MnB Ground Water: _____

Soil Investigation Cam Smith
Certifying Engineer Two River Engineering
Address P.O. Box 95 Eatontown NJ 07724 Telephone (732) 806-0111

PLEASE ATTACH THE FOLLOWING

1. Plot Plan - location of all soil logs and perc tests
   - existing and proposed grades, bench mark
   - cross section of disposal area
   - elevations of all inverts, outlets, level of infiltration and limiting zones
   - location of wells, water courses, storm drains footing drains with invert elevations
2. Detail description of soil profiles including:
   - limiting zones
   - observed ground water, perched water, seasonal high water table and explanation of soil mottles
3. Permeability data (Use applicable Chapter 199 Forms)

NOTE: Backwash from a water softener may not discharge into a septic system


(Joins sheet 25)
MANALAPAN
Manalapan
Branch
water
ROAD
LANE
MILL
OAKLAND
THOMPSON
FREEHOLD-SMITHBURG
(Joins sheet 41)
2 090 000 FEET

COUNTY/MUNICIPALITY Monmouth/Manalapan

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

Form 3c. Soil Permeability Class Rating Data

1. Test Number 1 Replicate (Letter) A

2. Sample Depth 40-56" Soil Pit/Boring Number S-2. Date Collected 4/22/02

3. Coarse Fragment Content:
   Total Weight of Sample, W.T., grams 239.12
   Weight of Material Retained on 2mm sieve, W.C.F., grams 2.91
   Wt. % Coarse Fragment (W.C.F./W.T. x 100): 1.22%

4. Oven Dry Weight (24 hrs, 105°C) of 40 Gram Air Dry Sample, grams, Wt 39.41

5. Hydrometer Calibration, Rc 5.0

6. Hydrometer Reading - 40 seconds, grams, R1 24.0 | 24.0
   Temperature of Suspension, °F 72°

7. Corrected Hydrometer Reading, grams, R1' 24.0-5.0+0.8=19.8

8. Hydrometer Reading - 2 hours, grams, R2 15.0
   Temperature of Suspension, °F 70

9. Corrected Hydrometer Reading, grams, R2' 15.0-5.0+0.4=10.4

10. % sand = (Wt. - R1')/Wt. x 100 = (39.41 - 19.8)/39.41 x 100 = 49.76

11. % clay = R2'/Wt. x 100 = 10.4/39.41 x 100 = 26.39%

12. Sieve Analysis:
    a. Oven Dry Wt. (2 hrs., 105°C) Total Sand Fraction
       (Soil Retained in 0.047 mm Sieve), grams 19.42
    b. Wt. of Fine Plus Very Fine Sand Fraction
       (Sand Passing 0.25 mm Sieve), grams 7.01
    c. % Fine Plus Very Fine Sand (b/a) 36.10%

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

14. Soil Permeability Class Rating (Based upon average textural analysis of this replicate and other replicate samples) K-2/K-1

15. I hereby certify that the information furnished on Form 3c 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 Soil Evaluator ..... Date 5-12-02

COUNTY/MUNICIPALITY..Monm/Manalapan.....

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

Form 3c. Soil Permeability Class Rating Data

1. Test Number...1..... Replicate (Letter)..B...

2. Sample Depth..40-82"..Soil Pit/Boring Number..SC-2..... Date Collected..4/22/02.....

3. Coarse Fragment Content:
   Total Weight of Sample, W.T., grams 239.12
   Weight of Material Retained on 2mm sieve, W.C.F., grams 2.91
   Wt. % Coarse Fragment (W.C.F./W.T. x 100): ..1.22%

4. Oven Dry Weight (24 hrs, 105°C) of 40 Gram Air Dry Sample, grams, Wt 39.4

5. Hydrometer Calibration, Rc 5.0

6. Hydrometer Reading - 40 seconds, grams, R1 23.5/24.0
   Temperature of Suspension, °F 72.

7. Corrected Hydrometer Reading, grams, R1'..24.0-5.0+0.8 = 19.8

8. Hydrometer Reading - 2 hours, grams, R2 14.5
   Temperature of Suspension, °F 70.

9. Corrected Hydrometer Reading, grams, R2' 14.5-5.0+0.4 =9.9

10. % sand = (Wt. - R1')/Wt. x 100 = (39.40 - 19.8)/39.40 x 100 = 49.75%

11. % clay = R2'/Wt. x 100 = 9.9/39.41 x 100 = 25.12%

12. Sieve Analysis:
    a. Oven Dry Wt. (2 hrs., 105°C) Total Sand Fraction
       (Soil Retained in 0.047 mm Sieve), grams 19.21
    b. Wt. of Fine Plus Very Fine Sand Fraction
       (Sand Passing 0.25 mm Sieve), grams 6.92
    c. % Fine Plus Very Fine Sand (b/a) 36.02

13. Soil Morphology (Natural Soil Samples Only):
    Structure of Soil Horizon Tested ..Fri gbk.....
    Consistence of Soil Horizon Tested: Dry..... Moist..✓.....

14. Soil Permeability Class Rating (Based upon average textural analysis of this replicate and other replicate samples) K-11-2

15. I hereby certify that the information furnished on Form 3c 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 Soil Evaluator.....Date..5-12-02

10

No. 1396

TOWNSHIP OF MANALAPAN

-- BOARD OF HEALTH --

Application For A Permit To Locate, Construct and Alter an Individual Water Supply and System

DATE 7/10/90

LOCATION – ADDRESS 5 Shira Lane (Number Street) or BLOCK No. 8420 LOT No. 3

OWNER (print) Elton Point Inc

PRESENT ADDRESS 90 Woodbridge Center Dr. Woodbridge NJ

NAME & ADDRESS OF CONTRACTOR (print) Engineering Drilling Co

316B Windsor Rd Robbinsville NJ 08691

TYPE OF BUILDING TO BE SERVED domestic USE: YEARLY ✓ SUMMER

Dwelling Unit – Number of Bedrooms 4 Expansion Attic: YES NO ✓

Other – Type of Building Home Gallons per Person 50

Type of well or source of water supply 4"

Estimated depth of well 200' Method of sealing pitless adaptor

Pumping Equipment 1 hp submersible pump

Storing Facilities 82 tank

Purification Facilities if needed

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

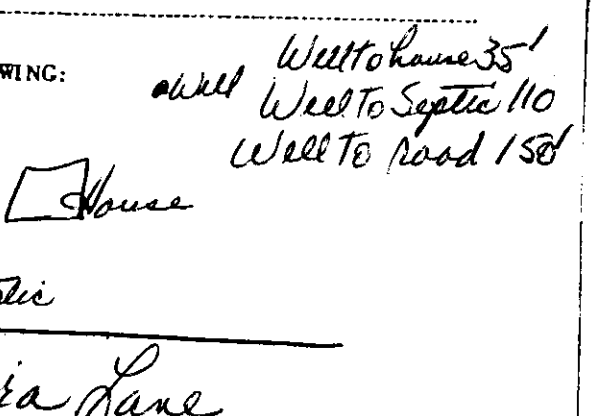
A. Size of lot

B. Area in Square Feet

C. Location of all Buildings

D. Location of the proposed individual water supply

E. Location of sewer facilities



The undersigned agree to construct or alter aforedescribed water supply in accordance with the provisions of an ordinance entitled: "AN ORDINANCE establishing a code regulating the location, construction, alteration, use and supervision of individual and semipublic water supplies, requiring certain permits, providing for the inspection of such supplies, the fixing of fees and prescribing penalties for violations" adopted by the Board of Health.

Owner Fred Mulder

DWR-133
(7/89)

SERIAL # 23449

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

Permit No. 28 241001

Mail to
Water Allocation
CN 029
Trenton, N.J. 08625

PERMIT TO DRILL WELL

26

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

COORD # 28.25 4.38

Owner Elton Point Inc.
Address 90 Woodbridge Center Dr. Woodbridge NJ 07095

Driller Engineering Drilling Co
Address 316 S Windsor Rd Robbinsville NJ 08691

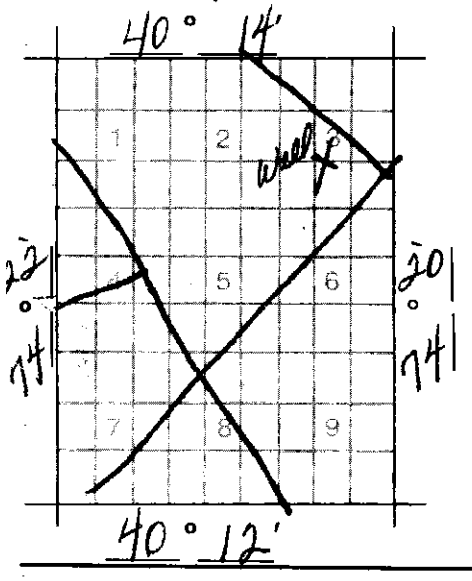
Name of Facility
Address 5 Shira Lane

Diameter of Well	4 Inches	Proposed Depth of Well	200 Feet
Proposed Capacity of Pump	10 GPM	Method of Drilling (cable-tool, rotary, etc.)	rotary
Use of Well (See Reverse)		domestic	
Drinking Water Supply?	X yes (see #6 on reverse)		no

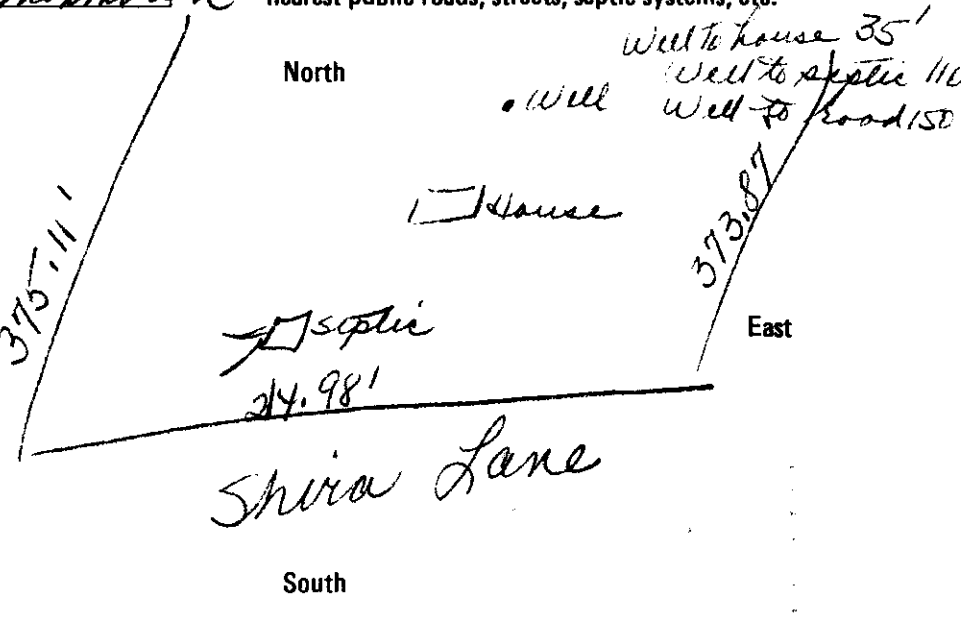
LOCATION OF WELL

Lot #	Block #	Municipality	County
3	8420	Marlboro	Monmouth

State Atlas Map No. 28



Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, 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.

- [x] **DOMESTIC/PUBLIC NON-COMMUNITY** 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. 7:10-11.1et. seq.
- [ ] **DOMESTIC IRRIGATION SUPPLY** - No piping from the well for which the permit applies shall enter any building.
- [ ] **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. A two hour pump test must be performed on the return well at a rate of 1½ times the estimated return flow of water.
- [ ] **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.
- [ ] **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.
- [ ] GEOPHYSICAL LOGS of this well must be made. Permanent pumping equipment *SHALL NOT* be installed until such logs are made.
- [ ] SAMPLES of cuttings required every _____ feet or change in material.
- [ ] MINIMUM distance requirements as per N.J.A.C. 7:10-12.13 have not been met - see attached additional condition(s).
- [ ] _____

This Space for Approval Stamp

NOV 3 1989

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

Date 10/30/81

Signature of Driller Joseph Strauber

Signature of Owner [illegible]

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

USE OF WELL: Domestic
Fire
Geothermal
Heat Pump
Industrial
Injection
Irrigation
Livestock
Oil & Gas Exploration
Public Community Water Supply
Public Non-Community Water System
Recharge
Replacement/Type of Well (Explain)
Test

Application must be accompanied by a check or money order of ten dollars ($10.00) for wells under 70 gallons per minute and twenty-five dollars ($25.00) for 70 gallons per minute and above.

Make Checks Payable to: **STATE OF NEW JERSEY - WELL PERMITS**

In accepting this permit, the Owner and Driller agree to abide by the following terms and conditions:

1. This permit conveys no rights, either expressed or implied, to divert water.
2. Well permits, submitted incomplete and/or illegible will be returned without approval for rectification.
3. If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made **without prior approval of the Division of Water Resources**.
4. In the event the well is abandoned, the Owner will assume full responsibility for having the well sealed in a manner satisfactory to the Division, in accordance with provisions of N.J.S.A. 58:4A-4.1.
5. This permit will be valid for one (1) year from date of approval. Department must be notified in writing to permit cancellation.
6. Drinking Water Supplies must be classified as either:
   a. **Domestic** (private household)
   b. **Public Community Water Supply** - at least 15 service connections or serves at least 25 year-round residents (municipal supply, community well, mobile home parks, etc.)
   c. **Public Non-Community Water Supply** (campgrounds, restaurants, hospitals, etc.)
7. A well record must be filed with the Bureau of Water Allocation within sixty (60) days after the well is completed.
8. This permit is NONTRANSFERABLE.
9. All wells to be used as a domestic drinking water supply should be tested in accordance with the requirements of the appropriate county/municipal Health Department.

Form DWR-138
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. [illegible]
Atlas Sheet Coordinates [illegible]

OWNER IDENTIFICATION - Owner [illegible]
Address [illegible]
City [illegible] State N.J. Zip Code 07095

WELL LOCATION - If not the same owner please give address. Owner's Well No. _____
Address 5 SIERRA LANE
County MONMOUTH Municipality MANALAPAN TWP Lot No. 3 Block No. 8420

WELL USE DOMESTIC Status _____

WATER USE YEAR ROUND Average 800 gals. daily Maximum 1000 gals. daily

WELL CONSTRUCTION
BOREHOLE DIMENSIONS
Date well completed 7 / 9 / 90
Depths: Total 210 ft. Finished 210 ft.
Diameter: Top 8" in. Bottom 8" in.

Land Surface Elevation at well _____ ft. Elevation was determined using _____
Casing Height (stick-up) above land surface _____ ft.

	DEPTH TO TOP (FT.)	LENGTH (FT.)	DIAMETER (IN.)	TYPE AND MATERIAL *Screens: Note Slot Size(s)*
Casing 1		200	4"	PVC SCHOOL 40 BELL JOINT
Casing 2				
Casing 3				
Screen 1	200-210	10	4"	PVC SLOT .016 (1.4 KIC)
Screen 2				
Tail Piece			4"	PVC CAP
Gravel Pack	205-220	15	8"	SILICA #3
Grout	0-205	205		CEMENT & BENTONITE
Grouting Method	PRESSURE (TRIMMING PIPE)			

WELL FLOWS NATURALLY _____ gals. per min. at _____ ft. above the land surface.
Water rises to _____ ft. above the land surface.

RECORD OF TEST Test Date 7 / 9 / 90
Static water-level before pumping _____ ft. below land surface. Water level 35 ft. below land surface after 1½ hrs. of pumping.
Water level was measured using ELECTRIC Drawdown _____ ft.
Discharge rate measured using 5 GALLON BUCKET Discharge Rate 35 gals. per min.
Well was pumped using AIR Specific Capacity _____ gals. per min. per ft. of drawdown
Observed effects on nearby wells NONE
Water Quality (taste, odor, color, etc.) GOOD IRON

PERMANENT PUMPING EQUIPMENT Installed by ENGINEERING DRILLING Pump Type SUBMERSIBLE
Mfrs. Name BERKELEY Model 10M6-15
CAPACITY: Pump delivers 15 GPM at 60 PSI pressure.
POWER: 1 HP at 3450 RPM Power Source 220 VOLT DC
DEPTHS: Pump 190 ft. Footpiece _____ ft. Airline _____ ft.
FLOW METER: Model _____ installed on _____ in. diameter pipe.

CONTRACTOR - Name of Drilling Contractor [illegible]
Address 346 B WINDSOR RD
City ROBBINSVILLE State N.J. Zip Code 08691
Name of Driller RONALD TAYLOR License No. 347

Signature of Contractor William P. Wilmer Date 1 / 17 / 91

COPIES: White - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

Form DWR-T38
11/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WELL RECORD

Well Permit No. 28 - 24001
28 25138

Driller: Please use the space below for the log description. Note water bearing zones or geological formation.

Are samples available? ☐ Yes ☒ No

Drilling Method MUD ROTARY

Type of Rig MAT HEW 500

Aquifer/Geo. Fm. COASTAL

DEP USE ONLY

Storet Hydrogeo Code _____

USGS Hydrogeo Code _____

Depth to Bedrock _____ ft.

Bedrock Lith. Code _____

Bedrock Fm. Code _____

Completed by _____

Date ____ / ____ / ____

LOG

	Thick.	Lith.	Fm.
0-2 TOP SOIL			
2-21 GREEN CLAY			
21-35 BLACK SAND MEDIUM TO FINE			
35-75 GREEN SAND MED. TO FINE			
75-120 GREEN SAND FINE W/ GRAY CLAY			
120-135 BLACK SAND FINE W/CLAY			
135-145 BLACK SAND MED/TO FINE			
145-162 BLACK SILTY SAND			
162-175 GREENISH GRAY SAND MED TO FINE W/CLAY			
175-210 GREENISH GRAY SAND MED TO FINE			
210 GREENISH GRAY SAND FINE			

GWPI No. ____ - _____ NJPDES No. _____ - ____

Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Lat-Long Accuracy ☐ 1" ☐ 5" ☐ 10" ☐ 20"

USGS Quadrangle _____

Drainage Basin Code _____ County/Municipality Code _____

OTHER FILES: ☐ Lithologic Log ☐ Samples Available ☐ Aquifer Test ☐ Water Level Data
☐ Geophysical Logs ☐ Water Chemistry ☐ Pollution Case

Checked by _____ Date ____ / ____ / ____