

242-02



J. W. JENKINS & SONS WELL DRILLING, INC.
15 BROWN ROAD BROWNS MILLS, NEW JERSEY 08015
phone (609) 893-2657 fax (609) 893-6601

The following well and pump installation are ready for final inspection:

Appl #	Lot	Block	Township	Name
242-02	14	103	Chestertield	Hoffman



New Jersey Department of Environmental Protection
Bureau of Water Allocation

242-02
Well Permit Number

2800056221

Atlas Sheet Coordinates

2831334

Co# 242-02

WELL RECORD

OWNER JOSEF HOFFMAN

Address 326 SHADY LANE

City Trenton

State

New Jersey

Zip Code 08619

WELL LOCATION ADDRESS HENGELI ROAD

Owner's Well No.

County Burlington

Municipality Chesterfield Twp

Lot No. 14

Block No. 103

WELL USE Domestic

DATE WELL STARTED 09-12-06

DATE WELL COMPLETED 09-12-06

WELL CONSTRUCTION

Total Depth Drilled 160 ft.

Finished Well Depth 160 ft.

Borehole Diameter:

Top 8 in.

Bottom 8 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	+1	150	4	PVC	40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used 12)	150	160	4	PVC	40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	150	160		#2 gravel	
Grout	3	150		Neat Cement Bentonite	lbs -900 lbs

RECORD OF TEST

Test Date 09 / 12 / 06

Static Water Level 70 ft. below land surface

Water Level Measured Using weighted tape

Pumping Water Level 78 ft. below land surface

Well Was Pumped Using air compressor

Well Yield 30+ gpm

If Pump Tested Discharge Rate gpm

Duration of Test hours

PERMANENT PUMPING EQUIPMENT (installed 12-21-07)

Installed by Todd Jenkins Reg. No. JD1553

Pump Type submersible

Depth of Pump below land surface 125 ft.

Capacity 12 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 J W JENKINS & SONS

Well Driller (Print) Duane Jenkins

Driller's Signature

Registration No. JD1552

Date 12 / 31 / 07

Grouting Method pressure grout w/tremie

Drilling Method mud rotary

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-12 Orange/brown clay/pea gravel

12-55 Grey clay

55-120 Fine blk sand & grey/green clays

120-140 E-C grey sand/wood & clay traces

140-160 E-C grey/lt. grey sands

**AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: EASTING:

OR

LATITUDE: 0 ' " LONGITUDE: 0 ' "

ORIGINAL: DEP

COPIES: DRILLER

OWNER

HEALTH DEPARTMENT

WELL COVER-UP

DATE 12-21-07

TOWNSHIP Chest

WELL NUMBER 242-02

Bl. 103 Lt. 14

INSTALLER Jenkins

OWNER _____

PHONE # 893-2657

APPROVED

DISAPPROVED

R. R. R. R. R.

Well Seal

Internal

Conditioner

Water Analysis

Well Record

Date

Time

Inspector

Reason for Disapproval

SEPTIC COVER - UP

DATE 11/2/07

TOWNSHIP Chest Twp

Bl. 103 Lt. 14

APPLICATION # 242-02

INSTALLER Bill Miller

OWNER Hoffman

PHONE # _____

READY FOR INSPECTION _____

INITIALS _____

Porter
☒ APPROVED

☐ DISAPPROVED

REASON FOR DISAPPROVAL _____

Need Reg cat.

DL 11/2/07

Date _____ Time _____

INSPECTOR _____

Septic Cover-Up BCHD (609) 265-5515

APPLICATION # _____

☐ APPROVED ☐ DISAPPROVED

REASON FOR DISAPPROVAL _____

Date _____ Time _____

INSPECTOR _____

Board of Chosen Freeholders
County of Burlington
New Jersey



Burlington County Health Dept.
Raphael Meadow Health Center
15 Pioneer Boulevard, Westampton
P.O. Box 6000
Mount Holly, N.J. 08060

MARCH 1, 2006

Tele: (609) 265-5515

Fax: (609) 265-5541

JOSEPH HOFFMAN
326 SHADY LANE
TRENTON NJ 08619

Re: Well Application 242-02
Block 103 Lot 14
CHESTERFIELD TWP.

Your application for the installation of a proposed individual water supply system is approved to be in compliance with provisions of applicable state and local laws.

THIS APPROVAL BECOMES NULL AND VOID 12-5-07.

This approval is not a permit to install the system. If a local permit is required, said permit must be obtained from your municipal agent.

Our office shall be notified three (3) working days in advance of starting installation. The installation must be inspected by a representative of this Department. The well inspection shall include but not be limited to the following:

WELL LOCATION; WELL SEAL; PROPER VENTING; WATER SUPPLY LINE; STORAGE TANK; INSTALLATION OF TREATMENT SYSTEM & METHOD OF BACKWASH DISPOSAL when

Final certification for use of the well will not be given until this Department has received the analytical results for bacteriological, physical and chemical quality of the raw water from a New Jersey Certified Laboratory. The analytical report shall identify the property by the block, lot and county application number. Also, the responsible laboratory official shall certify that the laboratory has drawn the raw sample. Further, a WELL RECORD accurately completed and prepared by the well driller is required and shall be submitted on NJDEP FORM DWR-138, which shall serve as certification of construction.

PLEASE NOTE: It is YOUR RESPONSIBILITY, as the owner, to ensure that your building contractor, plumber, and the installer of the system are made aware of the approved application prior to the beginning of any construction. It is also your responsibility to ensure that the system is installed in strict accordance with this approved application.

Any discrepancy between the water system's installation and the certified well application shall be submitted as a as-built in accordance with NJAC 7:10-12.40(b). Any unauthorized deviation from the plan could result in legal action being instituted in Municipal Court against all parties concerned.

Sincerely,

ROBERT LAWRENCE
SENIOR SANITARY INSPECTOR
609-265-5568

bk

cc: Board of Health
Construction Code Official
Well Driller
file

BURLINGTON COUNTY HEALTH DEPARTMENT
15 Pioneer Blvd., P.O. Box 6000, Westampton, NJ 08060
**APPLICATION FOR CERTIFICATION OF A PROPOSED INDIVIDUAL
WATER SUPPLY SYSTEM**

PAID
10/9/02 10:25

☒ NEW CONSTRUCTION

If property will also be served by a septic system, no action will take place until both applications have been received

☐ ALTERATION*

☐ REPLACEMENT **

☐ EMERGENCY (no water) **

FOR COUNTY USE ONLY

County No. 242-02

Date Received 10/9/02

INSTRUCTIONS TO THE APPLICANT:

Four (4) copies of the application must be submitted. Only clear, legible copies will be accepted. The white copy must be original. Only one copy will be returned to the owner after approval. Each copy of the application must be accompanied by a surveyor's plot plan or sketch (preferably drawn to scale) showing all pertinent distances and locations of the following:

(SKETCH MAY BE OMITTED IF SUBMITTED IN CONJUNCTION WITH SEWAGE DISPOSAL DESIGN)

- | | |
|--|--|
| ☐ Dimensions of lot with property lines labeled | ☐ Location of all buildings within 150 feet of water source |
| ☐ Location of proposed water supply system | |
| ☐ Location of all existing water and sewerage facilities within 150 ft. radius of well & proximity to storm drains or other sources of pollution (200 ft. radius for public noncommunity wells) | |
| ☐ Location of fuel storage tank, if any | |
| ☐ Any other data which may affect the system should be included | |

NOTE: The Health Department shall issue or deny certification of this application within fifteen (15) days after receipt. The certification will not be issued until the property has been physically inspected by a representative of this department.

OWNER of PROPERTY Josef Hoffmann PHONE [REDACTED]
MAILING ADDRESS 326 Shady Lane, Trenton, NJ 08619
MUNICIPALITY Chesterfield Twp BLOCK 103 LOT 14
STREET ADDRESS Hengeli Road

1. The first part of the document is a list of names and dates, which appears to be a roster or a list of events. The names are written in a cursive script, and the dates are in a standard font. The list is organized into columns, with names in the first column and dates in the second column.

2. The second part of the document is a series of paragraphs of text, written in a cursive script. The text is organized into paragraphs, with each paragraph starting on a new line. The text appears to be a narrative or a report, describing events or activities. The handwriting is somewhat difficult to read, but the overall structure is clear.

3. The third part of the document is a list of names and dates, similar to the first part. The names are written in a cursive script, and the dates are in a standard font. The list is organized into columns, with names in the first column and dates in the second column.

4. The fourth part of the document is a series of paragraphs of text, written in a cursive script. The text is organized into paragraphs, with each paragraph starting on a new line. The text appears to be a narrative or a report, describing events or activities. The handwriting is somewhat difficult to read, but the overall structure is clear.

5. The fifth part of the document is a list of names and dates, similar to the first part. The names are written in a cursive script, and the dates are in a standard font. The list is organized into columns, with names in the first column and dates in the second column.

6. The sixth part of the document is a series of paragraphs of text, written in a cursive script. The text is organized into paragraphs, with each paragraph starting on a new line. The text appears to be a narrative or a report, describing events or activities. The handwriting is somewhat difficult to read, but the overall structure is clear.

7. The seventh part of the document is a list of names and dates, similar to the first part. The names are written in a cursive script, and the dates are in a standard font. The list is organized into columns, with names in the first column and dates in the second column.

8. The eighth part of the document is a series of paragraphs of text, written in a cursive script. The text is organized into paragraphs, with each paragraph starting on a new line. The text appears to be a narrative or a report, describing events or activities. The handwriting is somewhat difficult to read, but the overall structure is clear.

9. The ninth part of the document is a list of names and dates, similar to the first part. The names are written in a cursive script, and the dates are in a standard font. The list is organized into columns, with names in the first column and dates in the second column.

10. The tenth part of the document is a series of paragraphs of text, written in a cursive script. The text is organized into paragraphs, with each paragraph starting on a new line. The text appears to be a narrative or a report, describing events or activities. The handwriting is somewhat difficult to read, but the overall structure is clear.

BURLINGTON COUNTY HEALTH DEPARTMENT
15 Pioneer Blvd., P.O. Box 6000, Westampton, NJ 08060
**APPLICATION FOR CERTIFICATION OF A PROPOSED INDIVIDUAL
WATER SUPPLY SYSTEM**

- ☒ **NEW CONSTRUCTION** *If property will also be served by a septic system, no action will take place until both applications have been received*
- ☐ **ALTERATION***
- ☐ **REPLACEMENT ****
- ☐ **EMERGENCY (no water) ****

FOR COUNTY USE ONLY

County No. 242-02

Date Received _____

INSTRUCTIONS TO THE APPLICANT:

Four (4) copies of the application must be submitted. Only clear, legible copies will be accepted. The white copy must be original. Only one copy will be returned to the owner after approval. Each copy of the application must be accompanied by a surveyor's plot plan or sketch (preferably drawn to scale) showing all pertinent distances and locations of the following:

(SKETCH MAY BE OMITTED IF SUBMITTED IN CONJUNCTION WITH SEWAGE DISPOSAL DESIGN)

- ☐ Dimensions of lot with property lines labeled

☐ Location of proposed water supply system

☐ Location of all existing water and sewerage facilities within 150 ft. radius of well & proximity to storm drains or other sources of pollution (200 ft. radius for public noncommunity wells)

☐ Location of fuel storage tank, if any

☐ Any other data which may affect the system should be included

☐ Location of all buildings within 150 feet of water source
- BURLINGTON COUNTY HEALTH DEPARTMENT**

COUNTY NUMBER 242-02

NOTE: The Health Department shall issue or deny certification of this application within fifteen (15) days after receipt. The certification will not be issued until the property has been physically inspected by a representative of this department.

OWNER of PROPERTY Josef Hoffman PHONE [REDACTED]

MAILING ADDRESS 326 Shady Lane, Trenton, NJ 08619

MUNICIPALITY Chesterfield Twp BLOCK 103 LOT 14

STREET ADDRESS Hengeli Road

LOCATION: Give directions to property from Mt. Holly, to include landmarks & distances in order that the inspector may locate the site.

WELL HEAD: ☒ Pitless Well Cap ☐ Sanitary Well Seal

TYPE OF BUILDING TO BE SERVED: ☒ Individual Dwelling (non-public) ☐ Other-Specify _____

IS MUNICIPAL WATER LOCATED WITHIN 200 FEET OF PROPERTY LINE? YES ☐ NO ☒

Depth of Well 180' Diameter of Well 4" Type of Casing PVC Sch 40

Pressure Line 1" Suction Line _____ Type of Screen PVC 10'

Size of Annular Space 8 1/2" Grouting Material Bentonite slurry Grouting Method DSI Grouting Machine with tremie pipe

Type of Pump & Capacity 1hp submersible pump Type of Storage Facility & Capacity Wxtrol 203

Method and Substance Used for Disinfection Well Sanitizr chlorine

Method of Venting Well - Describe Vent in pitless adapter

Type of Water Treatment System (if required) Unknown

Method of Backwash Disposal Underground French drain (Sodium content of finished water should not exceed 50 mg/l)

***DESCRIPTION OF WORK TO BE PERFORMED:**

NJDEP PERMIT NO. 2800056221 dtd 12/5/05 Distance from Supply Line to Building Sewer +10'

**** Existing well shall either be properly sealed or a permit for change of well use must be obtained from NJDEP. Evidence of either must be submitted to this department prior to final certification.**

The undersigned agrees to construct the described water supply system in accordance with the provisions of the New Jersey Safe Drinking Water Act Regulations (NJAC 7:10-12) and those established by local ordinance, where said local ordinance prescribes higher standards than those promulgated by NJDEP. **Certified by:** Duane Jenkins

NAME OF WELL DRILLER J W Jenkins & Sons Well Drilling Inc LICENSE NO. J1552

MAILING ADDRESS 15 Brown Road, Browns Mills, NJ 08015 PHONE NO. 893-2657

NAME OF PUMP INSTALLER Same LICENSE NO. _____

(if other than driller)

SIGNATURE OF DRILLER

SIGNATURE OF OWNER or AUTHORIZED AGENT

SIGNATURE OF PUMP INSTALLER

RECEIVED

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

242-02

Permit No. 28000 56221

(to update #2851051 and
change well location)
not drilled

MAIL-TO:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

PERMIT TO DRILL WELL

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

COORD #: 28 .31 .3 34

Property Owner Josef Hoffman
Address 326 Shady Lane
Trenton, NJ 08619
Name of Facility Private Residence
Address Hengeli Road

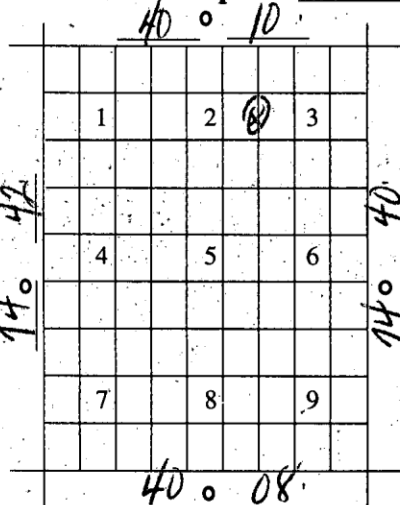
Driller J.W. Jenkins & Sons
Well Drilling, Inc.
Address 15 Brown Road
Browns Mills, NJ 08015-6809

Diameter of Well	4	Inches	Proposed Depth of Well	180	Feet
Proposed Capacity of Pump	10	GPM	Method of Drilling (Cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse) Domestic					
Drinking Water Supply? ☒ Yes (see #7 on reverse) ☐ No					

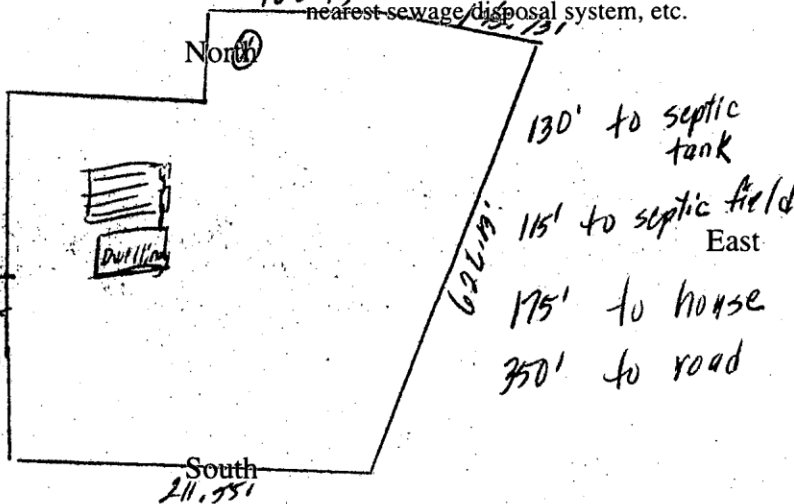
LOCATION OF WELL

Lot # 14 Block # 103 Municipality Chesterfield County Burl

State Atlas Map No. 28



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



PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____	LONGITUDE: _____

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.

- ☐ 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.
- ☐ 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 New Jersey licensed well driller of the proper class upon abandonment.
- ☐ 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. 7:9D-2.7 have not been met - see attached condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.

WELL PERMIT APPROVED N.J. D.E.P.
DEC - 5 2005
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 11/30/05 Signature of Driller [Signature] Registration No. J1552
Signature of Property Owner [Signature]

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

USE OF WELL:

Agricultural/Horticultural
Dewatering
Domestic
Elevator Shaft
Fire Protection
Geothermal Closed Loop
Geothermal Open Loop
Industrial

Irrigation
Livestock
Non-Public
Public Community Water Supply
Public Non-Community Water System
Test
Replacement Type of Well (Specify)

Make Checks Payable to: **"TREASURER - STATE OF NEW JERSEY"**

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

1. All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq.
2. This permit conveys no rights, either expressed or implied, to divert water.
3. Well permits, submitted incomplete and/or illegible will be returned without approval for modification.
4. **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 Bureau of Water Allocation.**
5. In the event this well is abandoned, the Owner or Well Driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the Department in accordance with the provisions of N.J.A.C. 7:9D-1 et seq.
6. Well permits are valid for one (1) year from date of approval except for permits issued for domestic use which are valid for a period of two years. Department must be notified in writing of permit cancellation.
7. Drinking Water Supplies must be classified as either:
 - a. **Domestic** (private household)
 - b. **Non-Public Water Supply** (Other Than Domestic Supply)
 - c. **Public Community Water Supply** - at least 15 service connections or serves at least 25 individuals daily (municipal supply, community well, mobile home parks, etc.)
 - d. **Public Non-Community Water Supply** (campgrounds, restaurants, hospitals, etc.)
8. A well record must be submitted by the well driller to the Bureau of Water Allocation within ninety (90) days after the well is completed.
9. This permit is **NONTRANSFERABLE**.
10. All wells to be used as a drinking water supply should be tested in accordance with the requirements of the appropriate county/municipality Health Department.
11. If the use of the well is to be changed, a well permit for the proposed use of the well must be submitted for review and approval. The existing well permit number must be referenced on the application form.

DWR-133-9
6/04

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

242-02

Permit No. 28666 56271

MAIL TO:
NJDEP
BUREAU OF WATER ALLOCATION
PO BOX 426
TRENTON, NJ 08625-0426

PERMIT TO DRILL WELL

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

COORD #: 24.31.334

Property Owner Josef Hoffman
Address 326 Shady Lane
Trenton, NJ 08619
Name of Facility Private Residence
Address Hengeli Road

Driller J.W. Jenkins & Sons
Address Well Drilling, Inc.
15 Brown Road
Browns Mills, NJ 08015-6809

Diameter of Well	4	Inches	Proposed Depth of Well	180	Feet
Proposed Capacity of Pump	10	GPM	Method of Drilling (Cable-tool, Rotary, etc.)	Rotary	
Use of Well (See Reverse)	Domestic				
Drinking Water Supply	yes (see #7 on reverse)				

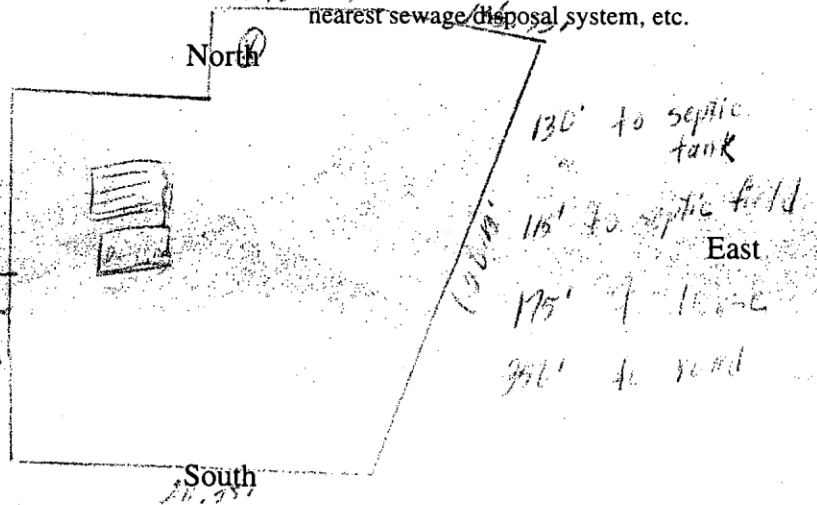
LOCATION OF WELL

Lot # 14 Block # 103 Municipality Chesterfield County Burl

State Atlas Map No. 28

1	2	3
4	5	6
7	8	9

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

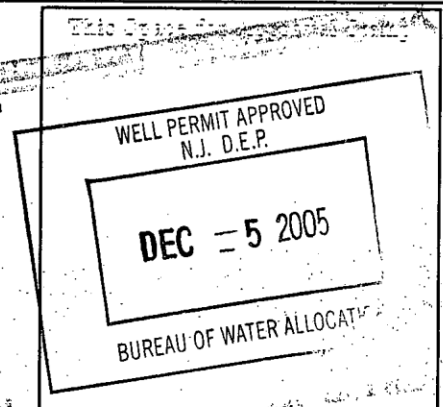


PROPOSED WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR _____
LATITUDE: _____ LONGITUDE: _____

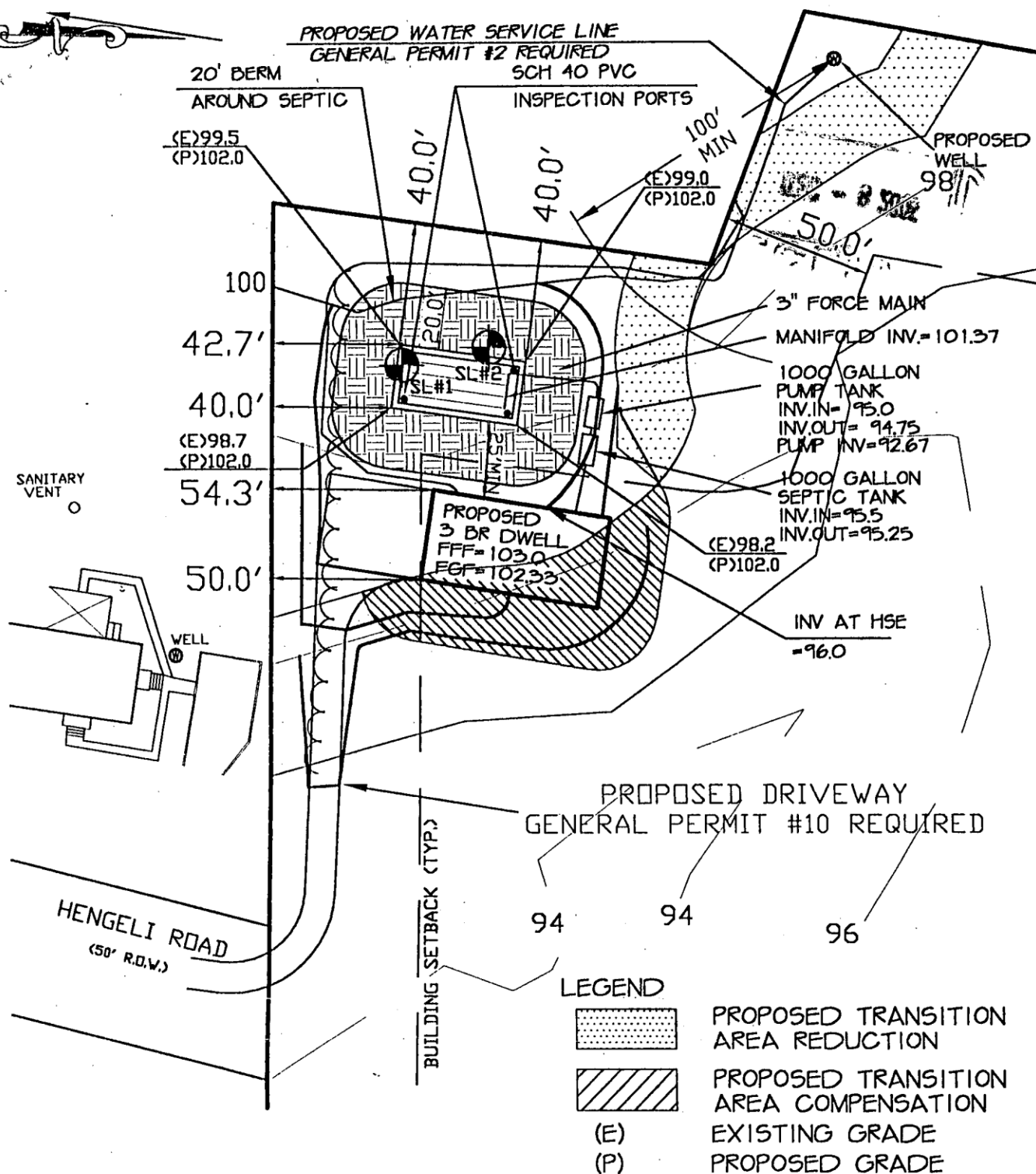
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- ☐ PINELANDS - Well must be drilled and cased to a minimum depth of 100' unless the provisions of N.J.A.C. 7:50-6.84 (a)4.v. are met.
- ☐ MINIMUM distance requirements as per N.J.A.C. 7:9D-2.7 have not been met - see attached condition(s).
- ☐ The well shall be equipped with a totalizing flow meter per N.J.A.C. 7:19-2 et seq.



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

Date 11/30/05 Signature of Driller [Signature] Registration No. J1552
Signature of Property Owner [Signature]



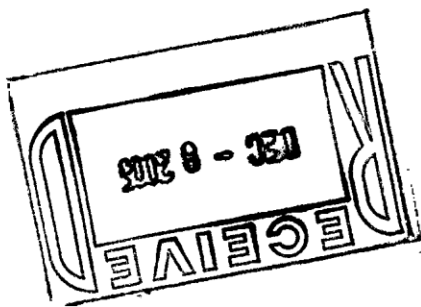
SOIL LOG #1 EXCAVATED ON 6/30/02 AND WITNESSED BY BOB LAWRENCE
 0-12" 10 YR 4\3 BROWN, TOPSOIL, FINE ROOTS
 12"-77" 10 YR LIGHT BROWN, SANDY LOAM, SUBANGULAR BLOCKY, SLIGHTLY HARD, WITH 20% GRAVEL, GRADUAL, WAVY BOUNDARY
 77"-130" 7.5 YR 5\8 STRONG BROWN, SANDY LOAM, SINGLE GRAIN, LOOSE, WITH 20% GRAVEL
 MOTTLING 48"-77", 10YR 8\1. WHITE, COMMON, MEDIUM, FAINT, MODERATE SEEPAGE AT 118"

SOIL CLASS RATING TEST AT 80" SAMPLE "A" K-4
 SOIL CLASS RATING TEST AT 80" SAMPLE "B" K-4

SOIL LOG #2 EXCAVATED ON 6/30/02 AND WITNESSED BY BOB LAWRENCE
 0-10" 10 YR 4\3 BROWN, TOPSOIL, FINE ROOTS
 10"-64" 10 YR LIGHT BROWN, SANDY LOAM, SUBANGULAR BLOCKY, SLIGHTLY HARD, WITH 20% GRAVEL, GRADUAL, WAVY BOUNDARY
 64"-124" 7.5 YR 5\8 STRONG BROWN, SANDY LOAM, SINGLE GRAIN, LOOSE, WITH 20% GRAVEL
 MOTTLING 42"-64", 10YR 8\1. WHITE, COMMON, MEDIUM, FAINT, MODERATE SEEPAGE AT 115"

SOIL CLASS RATING TEST AT 77" SAMPLE "A" K-4
 SOIL CLASS RATING TEST AT 77" SAMPLE "B" K-4

#1	10/17/02	REVISE BED AND TRANSITION AREA	AHM	KEB
REV#	DATE	DESCRIPTION	DRAWN BY	CHK'D BY
		GOLDENBAUM BAILL ASSOCIATES, INC. ENGINEERING - LAND SURVEYING - PLANNING 119 DOUGLAS STREET LAMBERTVILLE, N.J. 08530 TELEPHONE: (609) 397-1505 FAX: (609) 397-1759		
KENNETH E. BAILL P.E., P.L.S., P.P. NEW JERSEY LICENSED PROFESSIONAL ENGINEER #30111 NEW JERSEY LICENSED PROFESSIONAL LAND SURVEYOR #30111 NEW JERSEY LICENSED PROFESSIONAL PLANNER #04122		SEWAGE DISPOSAL SYSTEM PREPARED FOR LOT 14, BLOCK 103 CHESTERFIELD TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY		
DRAWN BY: AHM	CHECKED BY: KEB	SCALE: 1" = 50'	DATE: 7/15/02	PROJ. NO: 02-058
FILE: H02-058\SEPTIC				2 / 7



Board of Chosen Freeholders
County of Burlington
New Jersey



Burlington County Health Dept.
Raphael Meadow Health Center
15 Pioneer Boulevard, Westampton
P.O. Box 6000
Mount Holly, N.J. 08060

MARCH 1, 2006

Tele: (609) 265-5515
Fax: (609) 265-5541

JOSEPH HOFFMAN
326 SHADY LANE
TRENTON NJ 08619

Re: Septic Application 242-02
Block 103 Lot 14
CHESTERFIELD TWP.

Your application for the installation of a proposed individual subsurface sewage disposal system is certified to be in compliance with the provisions of N.J.A.C. 7:9A and regulations as otherwise provided by N.J.S.A. 58:11-25.

☒ Based on Engineering Data Only.

☐ Based on Engineering data and Percolation Test(s) and Soil Boring(s) being witnessed by a representative of this Dept.

(THIS CERTIFICATION BECOMES NULL AND VOID 12-5-07.

Should this system not be installed by this date, contact this office for recertification instructions.

This certification and approved design is not a permit to install the system.

Such permit must be obtained from the municipal agent responsible for insuring compliance with other applicable state & local laws.

NO CHANGE IN THE PLAN SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THIS DEPARTMENT.

At the time of installation, the system shall not be covered from view until it has been inspected by a representative of this Department and permission to cover same has been given by that representative. Request for such inspection shall be made to this Department no later than 72 hours prior to the date of installation.

FINAL CERTIFICATION WILL NOT BE GIVEN BY THIS DEPARTMENT UNTIL THE DESIGN ENGINEER HAS CERTIFIED IN WRITING, BY SIGNATURE & SEAL TO THE FOLLOWING;

☐ Excavation to a depth of _____ inches and back-filled to the bottom of the disposal field with material placed and compacted in conformance with NJAC 7:9A-10.4(f)3; and shall meet the requirements of NJAC 7:9A-10.1(f). Results of permeability tests shall be indicated on this Department's standardized form.

☐ _____ inches of fill extending _____ beyond the limits of the disposal field with material placed and compacted in conformance with NJAC 7:9A-10.4(f)3; and shall meet the requirements of NJAC 7:9A-10.1(f). Results of permeability tests shall be indicated on this Department's standardized form.

☐ Pumping Equipment ☐ Alarm System ☒ Final Grading & Stabilization ☐ None of the above

☐ Other:

PLEASE NOTE: It is YOUR RESPONSIBILITY, as the owner, to ensure that your building contractor, plumber, and the installer of the system are made aware of the approved application prior to the beginning of any construction. It is also your responsibility to ensure that the system is installed in strict accordance with this approved plan. Any unauthorized deviation from the plan could result in legal action being instituted in Municipal Court against all parties concerned.

bk

cc: Board of Health, Design Engineer
Construction Code Official
Design Engineer
file

Sincerely,

ROBERT LAWRENCE
SENIOR SANITARY INSPECTOR
609-265-5568

BURLINGTON COUNTY HEALTH DEPARTMENT
15 PIONEER BOULEVARD, WESTAMPTON
P O Box 6000 MOUNT HOLLY, NEW JERSEY 08060

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

GENERAL INFORMATION - Form 1

1. Type of Permit needed (Check applicable categories):

- ☒ New Construction ☐ Alteration/Expansion or Change in Use ☐ Alteration/Malfunctioning System
☐ Deviation from Standards ☐ Repairs to Existing System ☐ Alteration/No Expansion or Change of Use

2. Location of Project:

Municipality CHESTERFIELD TOWNSHIP Block: 103 Lot: 14
 Street Address HENGELI ROAD, CHESTERFIELD, NJ Zip _____

3. Name of Applicant (print): JOSEPH HOFFMAN

4. Applicant's Present Address: 326 SHADY LANE, TRENTON, NJ 08614 5. Phone number _____

6. Type of Facility:

- ☒ Residential
☐ Commercial/Institutional
☐ Specify Type of Establishment: _____

7. Type of Wastes to be discharged:

- ☒ Sanitary Sewage
☐ Industrial Wastes
☐ Other - Specify _____

8. Other Approvals/Certification/Waivers/Exemptions (Attach to Application)

- ☐ Pinelands Commission ☐ U.S. Army Corps of Engineers
☐ NJDEP - Bureau of Flood Plain Management ☐ Other - Specify _____

9. I hereby certify that the information furnished above 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 [Signature] Date 12/8/05

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 2/27/06

Signature of Authorized Agent [Signature]

Name & Title ROBERT LAWRENCE

GENERAL SITE EVALUATION DATA - Form 2A

1. Name of Site Evaluator (print) ROBERT WEATHERS PE

2. Business Address of Site Evaluator RBS ENGINEERING, PO BOX 301

3. Business Phone 858-870-4478

4. Special Site Limitations Identified (Check appropriate Categories): NEW EGYPT, NJ 08533

- ☐ Flood Plains ☐ Bedrock Outcrop ☐ Wetlands ☐ Excessively Stony ☐ Disturbed Ground
☐ Sink Holes ☐ Sand Dunes ☐ Steep Slopes ☐ Other - Specify _____

5. Soil Log - 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

b.) Pre-existing Natural Ground Surface

Elevation Relative to Existing Ground Surface _____

c.) Suitability of Disturbed Ground

- ☐ Unsuitable: Objects Subject to Disintegration or Change in Volume
☐ Proctor Test Performed - % Standard Proctor Density = _____
☒ Excessively Coarse

7. Hydraulic Head Test:

- a.) Hydraulically Restrictive Horizon: Depth Top to Bottom _____
 b.) Piezometer A: Depth to Bottom _____ Depth of Water Level (24hrs) _____
 c.) Piezometer B: Depth to Bottom _____ Depth of Water Level (24hrs) _____
 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 Site Evaluator [Signature] Date 11/4/05

Signature of Professional Engineer [Signature] License # 22338
 (please seal this form)

THOSE
AS
AND
WITH

ATTACHMENT

STREETS

Form 2a
General Site Evaluation Data

Municipality: Chesterfield Township **County:** Burlington **Block:** 103 **Lot:** 14

1. **Name of Site Evaluator:** Robert Weatherford, PE
2. **Business Address of Site Evaluator:** RBS Engineering, P.O. Box 301, New Egypt, NJ 08533\
3. **Business Phone Number of Site Evaluator:** 888-870-4478

4. **Special Site Limitations Identified**

- | | | |
|--|---|-------------------------------------|
| ☐ Flood Plains | ☐ Bedrock Outcrops | ☐ Wetlands |
| ☐ Excessively Stony | ☐ Disturbed Ground | ☐ Sink Holes |
| ☐ Other _____ | | |

5. **Soil Logs (Enter of Form 2b)**Included

6. **Considerations Relating to Disturbed Ground**

- a. Type of Disturbance(*check appropriate items*)
- | | | |
|--|--|---|
| ☐ Filled Areas | ☐ Excavated Areas | ☐ Re-graded Area |
| ☐ Subsurface Drains | ☐ Other _____ | |
- 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**

- a. Hydraulically Restrictive Horizon: Depth Top to Bottom _____
- b. Piezometer A: Depth to Bottom _____ *Depth of Water Level(24 hours)*
- c. Piezometer B: Depth to Bottom _____ *Depth of Water Level(24 hours)*
- 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: Pump Data, Tax Map

9. *I hereby certify that the information furnished in Form 2a of this application(and the attachment 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 N.J.A.C. 7:14-8.*

Signature of Soil Evaluator

Signature of Professional Engineer Robert E. Weatherford, PE

Date 11/4/05
License # 22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 2b
Soil Log & Interpretation

Municipality: Chesterfield Township

Block: 103

Lot: 14

Pit Number #1 Method: ☒ Profile Pit ☐ Boring Soil Log Depth: 120" Date Soil Log Conducted: 10/17/2005

Pit Elevation: 99'-5"

Top to Bottom

Description

(Munsell Color Name & Symbol; Estimated Textural Class Estimated Volume; %Coarse Fragments; Structure; Moist or Dry Consistence; Mottling-Abundance, Size & Contrast)

0-7"

Dark Brown(10YR3/3), Sandy Loam, Subangular Blocky, Medium, Weak Structure, Moist, Friable, <2% Coarse Fragments, Clear Smooth Boundary, Common Medium Roots Throughout

7"-18"

Yellowish Brown(10YR5/6), Sandy Loam, Subangular Blocky, Medium, Weak Structure, Moist, Friable, <5% Coarse Fragments, Clear Smooth Boundary, Common Medium Roots Throughout

18"-41"

Yellowish Brown(10YR5/8) Sand, Single Grain, Fine Structureless, Moist, Loose, Clear Smooth Boundary, Few Fine Roots to 21"

41"-68"

Strong Brown(7.5YR5/8) Loamy Sand, Subangular Blocky, Medium, Weak Structure, Moist Very Friable, Clear Smooth Boundary

68"-120"

Brownish Yellow(10YR6/6) Loamy Sand, Subangular Blocky, Medium, Weak Structure, Moist Friable, with Light Brownish Gray(10YR6/2) and Yellowish Red (5YR4/6) common, medium, distinct mottles throughout, Seepage at 80"

Witnessed by Jeffrey Hanson, EIT
Environmental Resolutions, Inc.
525 Fellowship Road, Mt. Laurel, NJ 08054 (856-235-7170)

Season High Water Table = 68"

Ground Water Observations

☒ Seepage Depth: 80"

☐ Pit/Boring Flooded

Soil Limiting Zones

☐ Fractured Rock Substratum - Depth to Top _____

☐ Excessively Coarse Horizn- Depth Top to Bottom _____

☐ Hydraulically Rest Horizn- Depth Top to Bottom: _____

☐ Perched Zone of Saturation-Depth Top to Bottom _____

☐ Massive Rock Substratum-Depth to Top _____

☐ Excessively Coarse Substratum-Depth to Top _____

☐ Hydraulically Rest. Substratum-Depth to Top _____

☒ Regional Zone of Saturation - Depth to Top 68"

Soil Suitability Classification: I

I hereby certify that the information furnished in Form 2B of this application (and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator Robert Weatherford

Date: 10/18/05

Signature of Professional Engineer Robert E. Weatherford, PE

License # 22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 2b
Soil Log & Interpretation

Municipality: Chesterfield Township

Block: 103

Lot: 14

Pit Number #2 Method: ☒ Profile Pit ☐ Boring Soil Log Depth: 120" Date Soil Log Conducted: 10/17/2005

Pit Elevation: 99'-0"

Top to Bottom

Description

(Munsell Color Name & Symbol; Estimated Textural Class Estimated Volume; %Coarse Fragments; Structure; Moist or Dry Consistence; Mottling-Abundance, Size & Contrast)

0-9"

Dark Brown(10YR3/3), Sandy Loam, Subangular Blocky, Medium, Weak Structure, Moist, Friable, <2% Coarse Fragments, Clear Smooth Boundary, Common Medium Roots Throughout

9"-20"

Yellowish Brown(10YR5/6), Sandy Loam, Subangular Blocky, Medium, Weak Structure, Moist, Friable, <5% Coarse Fragments, Clear Smooth Boundary, Common Medium Roots Throughout

20"-40"

Yellowish Brown(10YR5/8) Sand, Single Grain, Fine Structureless, Moist, Loose, Clear Smooth Boundary, Few Fine Roots to 21"

40"-70"

Strong Brown(7.5YR5/8) Loamy Sand, Subangular Blocky, Medium, Weak Structure, Moist Very Friable, Clear Smooth Boundary

70"-120"

Brownish Yellow(10YR6/6) Loamy Sand, Subangular Blocky, Medium, Weak Structure, Moist Friable, with Light Brownish Gray(10YR6/2) and Yellowish Red (5YR4/6) common, medium, distinct mottles throughout, Seepage at 80"

Witnessed by Jeffrey Hanson, EIT
Environmental Resolutions, Inc.
525 Fellowship Road, Mt. Laurel, NJ 08054 (856-235-7170)

Season High Water Table = 70"

Ground Water Observations

☒ Seepage Depth: 90"

☐ Pit/Boring Flooded

Soil Limiting Zones

☐ Fractured Rock Substratum - Depth to Top _____

☐ Excessively Coarse Horizn- Depth Top to Bottom _____

☐ Hydraulically Rest Horizn- Depth Top to Bottom: _____

☐ Perched Zone of Saturation-Depth Top to Bottom _____

☐ Massive Rock Substratum-Depth to Top _____

☐ Excessively Coarse Substratum-Depth to Top _____

☐ Hydraulically Rest. Substratum-Depth to Top _____

☒ Regional Zone of Saturation - Depth to Top 70"

Soil Suitability Classification: I

I hereby certify that the information furnished in Form 2B of this application (and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator Robert Weatherford

Date: 10/18/05

Signature of Professional Engineer Robert E. Weatherford, PE

License # 22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3a
Soil Permeability Data

Municipality: Chesterfield Township **County:** Burlington **Block:** 103 **Lot:** 14

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
Soil Perm Class	<u>1</u>	<u>A</u>	<u>36</u>	<u>K4</u>
Soil Perm Class	<u>1</u>	<u>B</u>	<u>36</u>	<u>K4</u>
Soil Perm Class	<u>2</u>	<u>A</u>	<u>60</u>	<u>K4</u>
Soil Perm Class	<u>2</u>	<u>B</u>	<u>60</u>	<u>K4</u>
Soil Perm Class	<u>3</u>	<u>A</u>	<u>90</u>	<u>K4</u>
Soil Perm Class	<u>3</u>	<u>B</u>	<u>90</u>	<u>K4</u>

*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 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	<u>6</u>
☐ 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 in Form 2a of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Soil Evaluator

Signature of Professional Engineer Robert E. Weatherford, PE

Date 11/4/05
License # 22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #1 Replicate (Letter): ☐ A ☒ B ☐ C

2. Sample Depth: 36" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	660.
Weight of Material Retained in 2mm sieve, WCF, grams	45
Weight % coarse fragments(WCF/WT x 100):	6.8%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.3
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	16
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	5
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	86.9%
11. %Clay = R2'/Wt x 100 =	5.2%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	36.8
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	6.4
c.	% Fine Plus Very Fine Sand (b/a)	17.4%

13. Soil Morphology (Natural Soil Samples Only):

Structure of Soil Horizon Tested Sand

Consistence of Soil Horizon Tested Dry: Loose Moist: _____

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator

Signature of Professional Engineer Robert E. Weatherford, PE

Date:

License #22338

11/4/05

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #1 Replicate (Letter): ☒ A ☐ B ☐ C

2. Sample Depth: 36" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	660.
Weight of Material Retained in 2mm sieve, WCF, grams	45
Weight % coarse fragments(WCF/WT x 100):	6.8%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.5
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	16
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	5
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	87.0%
11. %Clay = R2'/Wt x 100 =	5.2%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	36.2
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	6.4
c.	% Fine Plus Very Fine Sand (b/a)	17.7%

13. Soil Morphology (Natural Soil Samples Only):

Structure of Soil Horizon Tested Sand

Consistence of Soil Horizon Tested Dry: Loose Moist: _____

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator



Date: 11/4/05

Signature of Professional Engineer Robert E. Weatherford, PE

License #22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #2 Replicate (Letter): ☒ A ☐ B ☐ C

2. Sample Depth: 60" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	660.
Weight of Material Retained in 2mm sieve, WCF, grams	45
Weight % coarse fragments(WCF/WT x 100):	6.8%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.5
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	18
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	7
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	81.8%
11. %Clay = R2'/Wt x 100 =	5.2%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	34.2
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	8.4
c.	% Fine Plus Very Fine Sand (b/a)	24.6%

13. Soil Morphology (Natural Soil Samples Only):

Structure of Soil Horizon Tested Sandy Loam

Consistence of Soil Horizon Tested Dry: Loose Moist: Very Friable

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator



Date: 11/4/05

Signature of Professional Engineer Robert E. Weatherford, PE

License #22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #2 Replicate (Letter): ☐ A ☒ B ☐ C

2. Sample Depth: 60" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	625.
Weight of Material Retained in 2mm sieve, WCF, grams	36
Weight % coarse fragments(WCF/WT x 100):	5.8%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.3
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	18
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	7
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	81.7%
11. %Clay = R2'/Wt x 100 =	5.2%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	33.2
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	8.1
c.	% Fine Plus Very Fine Sand (b/a)	24.4%

13. Soil Morphology (Natural Soil Samples Only):

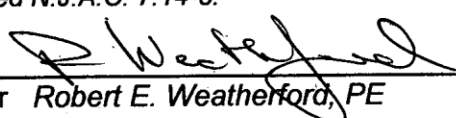
Structure of Soil Horizon Tested Sandy Loam

Consistence of Soil Horizon Tested Dry: Loose Moist: Very Friable

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator



Date: 11/4/05

Signature of Professional Engineer Robert E. Weatherford, PE

License #22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #3 Replicate (Letter): ☐ A ☒ B ☐ C

2. Sample Depth: 90" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	480.
Weight of Material Retained in 2mm sieve, WCF, grams	38
Weight % coarse fragments(WCF/WT x 100):	7.9%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.0
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	17
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	6
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	84.2%
11. %Clay = R2'/Wt x 100 =	5.3%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	33.6
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	7.8
c.	% Fine Plus Very Fine Sand (b/a)	23.2%

13. Soil Morphology (Natural Soil Samples Only):

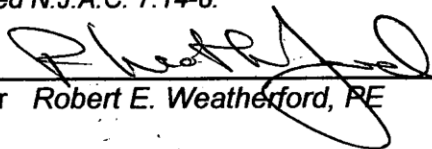
Structure of Soil Horizon Tested Loamy Sand

Consistence of Soil Horizon Tested Dry: Loose Moist: Friable

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator



Date: 11/4/05

Signature of Professional Engineer Robert E. Weatherford, PE

License #22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 3c
Soil Permeability Class Rating Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Test Number #3 Replicate (Letter): ☒ A ☐ B ☐ C

2. Sample Depth: 90" Soil/Pit Boring Number: #1 Date Collected: 10/17/2005

3. Coarse Fragments Content:

Total Weight of Sample, WT., grams	480.
Weight of Material Retained in 2mm sieve, WCF, grams	38
Weight % coarse fragments(WCF/WT x 100):	7.9%

4. Oven Dry Weight (24hours @105°C) of 40 gram air dry sample, grams, Wt	38.7
5. Hydrometer Calibration, Rc	11
6. Hydrometer Reading - 40 secs, grams, R1	17
Temperature of Suspension, °F	70
7. Corrected Hydrometer Reading, grams, R1'	6
8. Hydrometer Reading - 2 hrs, grams, R2	13
Temperature of Suspension, °F	70
9. Corrected Hydrometer Reading, grams, R2'	2
10. %Sand = (Wt-R1')/Wt x 100 =	84.5%
11. %Clay = R2'/Wt x 100 =	5.2%

12. Sieve Analysis

a.	Oven Dry Wt.(2 hours @105°C), Total Sand Fraction, (Soil Retained in 0.047 mm Sieve), grams	33.8
b.	Wt of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25 mm Sieve), grams	8.1
c.	% Fine Plus Very Fine Sand (b/a)	24.0%

13. Soil Morphology (Natural Soil Samples Only):

Structure of Soil Horizon Tested Loamy Sand

Consistence of Soil Horizon Tested Dry: Loose Moist: Friable

14. Soil Permeability Class Rating(based upon average textural analysis of this replace and other replicate samples): K4

I hereby certify that the information furnished in Form 3C of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Site Evaluator

Signature of Professional Engineer Robert E. Weatherford, PE

Date: 11/4/05

License #22338

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

Form 4
General Design Data

Municipality: Chesterfield Township

Block: 103

Lot: 14

1. Volume of Sanitary Sewage, gal: 500 gpd

- ☒ Residential: No of Dwelling Units 1 Total No. Of Bedrooms 3 ☐ Garbage Disposal ☐ Expansion Attic
☐ Commercial/Institution-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. Alteration or Repairs

- a. Reason for Alteration or Repair(Check appropriate categories)
☐ Expansion or Change of Use
☐ Correct Malfunctioning System
☐ Upgrade Existing Facilities
☐ 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: ☒ first(single) compartment 1000 gallons _____
☐ second compartment _____
☐ third compartment _____
- c. Effluent Distribution
Method ☒ Gravity Flow ☐ Gravity Dosing ☐ Pressure Dosing
Dosing Device ☐ Pump ☐ Siphon
- d. Dosing Tank Capacities, gals: Total Capacity 1000gal _____ Dose Volume _____ Reserve Capacity _____
- e. Laterals: Number 6 Total Length 215' (35'-10" x 6) Pipe Size 4" Spacing 3'
- f. Connecting Pipe: Size 4" Length 25'-6"
- g. Manifold: Size **Distribution Box** Length _____
- h. Disposal Field: Type of Installation Conventional
Design Permeability(Percolation rate) K4 _____
☐ Trenches: Width _____ Total Length _____
☒ Bed: Area 840 square feet (40' x 21')
- i. Seepage Pits: Design Percolation Rate _____
Number of Pits _____ Total Percolating Area Provided _____

4. Attachments (Check items included):

- ☒ General Plan Showing Location of All System Components
☒ X-Sections of Each System Component Including Grease Traps, Septic Tank, Dosing Tank, Disposal Field
Seepage Pits and Interceptor Drains
☐ Pump Performance Curve
☐ Other _____

Specify _____

I hereby certify that the information furnished in Form 2B of this application(and the attachment 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 N.J.A.C. 7:14-8.

Signature of Professional Engineer **Robert E. Weatherford, PE** License #**22338**

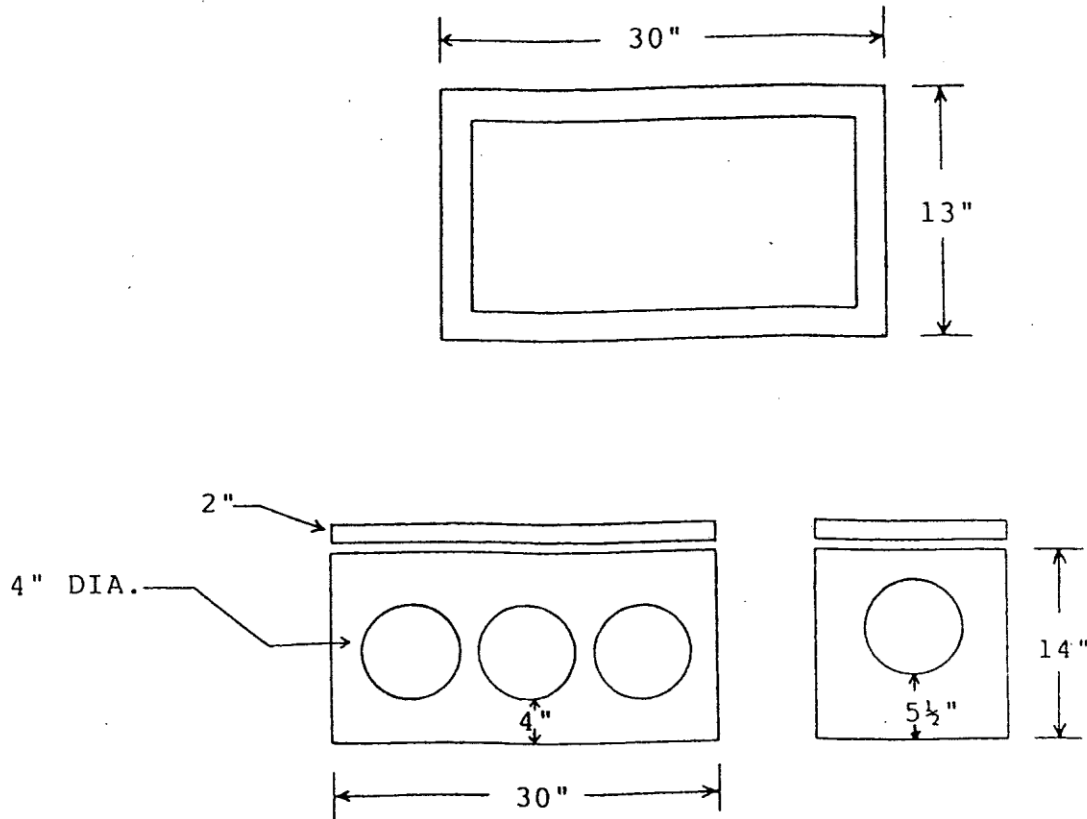
Date: **8/11/2005**

RBS Engineering Company, P.O. Box 301, New Egypt, N.J. 08533

11/4/05

R & E MERSHON CONCRETE PRODUCTS INC.

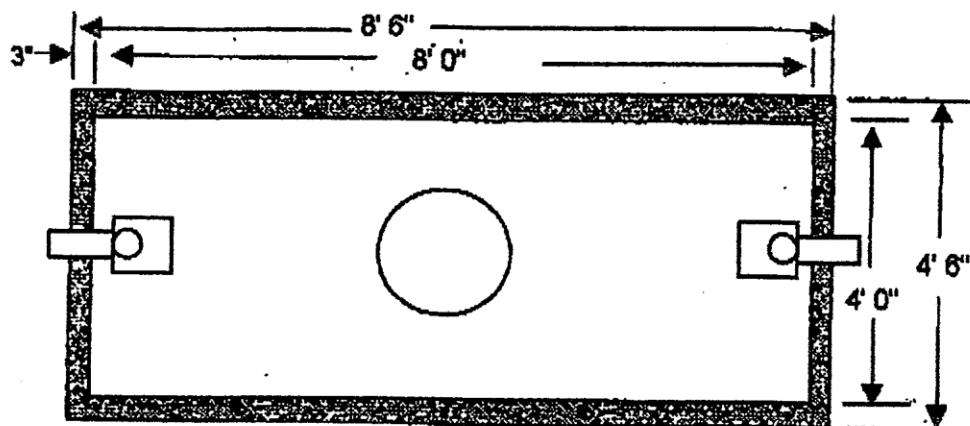
RT 130 - P.O. BOX 254 BORDENTOWN, NEW JERSEY 08505 (609) 298-2150 - (609) 587-1346



1 INLET - 7 OUTLETS
DISTRIBUTION BOX
WITH GASKETS

*NOTE: ALL DIMENSIONS
ARE APPROXIMATED

R. E. Mershon
8/7/84

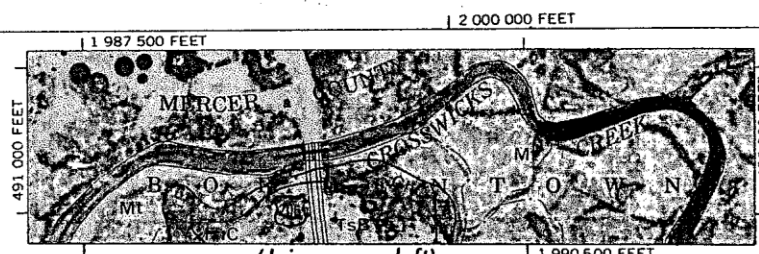


Tank tapers top to bottom and is trapezoidal in cross section.

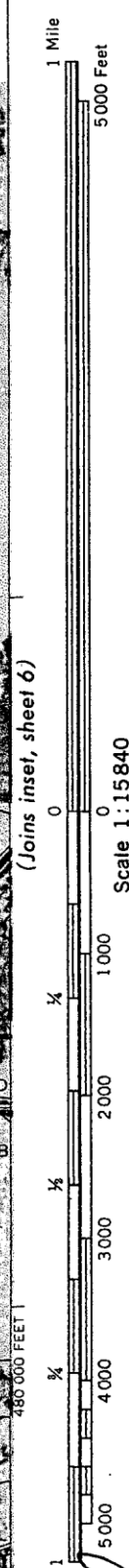
**NOTE: IN AN EFFORT TO CONTINUALLY IMPROVE OUR PRODUCTS,
MERSHON CONCRETE RESERVES THE RIGHT TO CHANGE
PRODUCT DESIGN WITHOUT NOTICE.**

1000 GALLON TANK

1-800-MERSHON



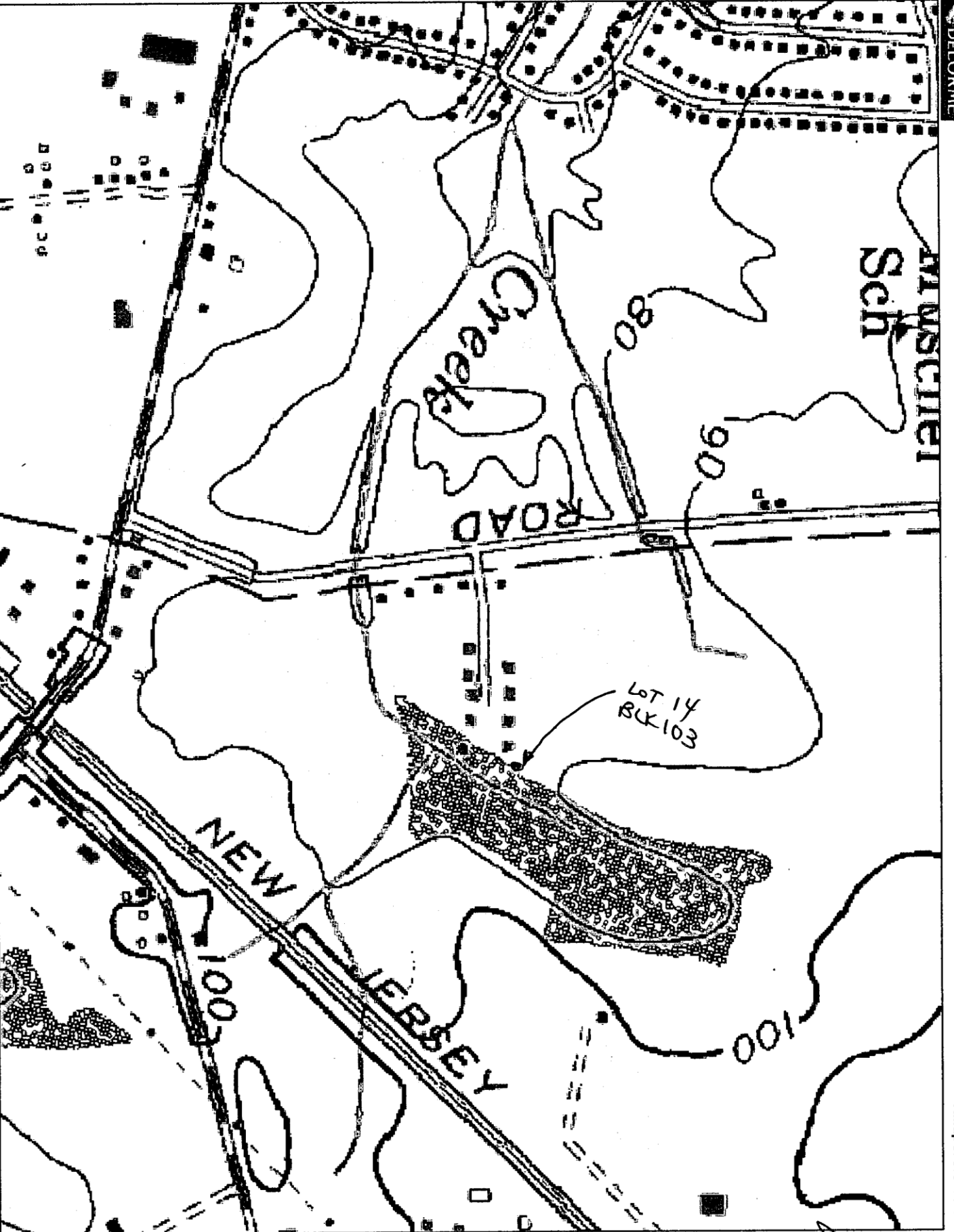
(Joins upper left)
1000 AND 3000 -FOOT GRID TICKS



LOT 14
BLK 103

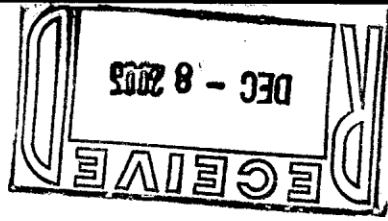
(Joins sheet 4) (Joins sheet 5)

2 000 000 FEET



DEC - 2 1998

[Handwritten signature]
11/1/00



**State of New Jersey**

Department of Environmental Protection

Land Use Regulation Program

P.O. Box 439, Trenton, NJ 08625-0439

Fax # (609) 292-8115

Fax # (609) 777-3656

www.state.nj.us/landuse

James E. McGreevey
GovernorBradley M. Campbell
Commissioner

AUG 20 2004

Alexander H. Micos
Goldenbaum Baill Associates, Inc.
119 Douglas Street
Lambertville, NJ 08530

RE: Letter of Interpretation/Line Verification
File No.: 0307-03-0002.1-FWW030002
Applicant: Joseph Hoffman
Project: Residential Construction
Block(s): 103; Lot(s): 14, Chesterfield Twp., Burlington County

Dear Mr. Micos:

This letter is in response to your request for a Letter of Interpretation to verify the jurisdictional boundary of the freshwater wetlands and waters on the referenced property.

In accordance with agreements between the State of New Jersey Department of Environmental Protection, the U.S. Army Corps of Engineers Philadelphia and New York Districts, and the U.S. Environmental Protection Agency, the NJDEP, Land Use Regulation Program is the lead agency for establishing the extent of State and Federally regulated wetlands and waters. The USEPA and/or USACOE retains the right to reevaluate and modify the jurisdictional determination at any time should the information prove to be incomplete or inaccurate.

Based upon the information submitted, and upon a site inspection conducted on September 22, 2003, the Land Use Regulation Program has determined that the freshwater wetlands and/or State open water boundary lines as shown on the plan sheet entitled "Wetlands Map Prepared For Lot 14, Block 103, Chesterfield Township, Burlington County, New Jersey", dated September 15, 2002, last revised May 22, 2004, and prepared by Goldenbaum Baill Associates, Inc. (Kenneth E. Baill, P.L.S.), are accurate as shown.

Any activities regulated under the Freshwater Wetlands Protection Act proposed within the wetlands or transition areas or the deposition of any fill material into any water area, will require a permit from this office unless exempted under the Freshwater Wetlands Protection Act, N.J.S.A. 13:9B-1 et seq., and implementing rules, N.J.A.C. 7:7A. A copy of this plan, together with the information upon which this boundary determination is based, has been made part of the Program's public records.

Pursuant to the Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A-1 et seq.), you are entitled to rely upon this jurisdictional determination for a period of five years from the date of this letter.

The freshwater wetlands and waters boundary line(s), as determined in this letter, must be shown on any future site development plans. The line(s) should be labeled with the above LURP file number

Page 2 Letter of Interpretation

and the following note: "Freshwater Wetlands/Waters Boundary Line as verified by NJDEP on....(date of this letter)...., File No. 0307-03-0002.1-FWW030002".

The Department has determined that all wetlands on the subject property are of intermediate resource value and the standard buffer width is 50 feet. The classifications may affect the requirements for an Individual Wetlands Permit (see N.J.A.C. 7:7A-7), the types of Statewide General Permits available for the wetlands portion of this property (see N.J.A.C. 7:7A-5) and the modification available through a transition area waiver (see N.J.A.C. 7:7A-6). Please refer to the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.) and implementing rules for additional information.

This letter in no way legalizes any fill which may have been placed, or other regulated activities which may have occurred on-site. Also this determination does not affect your responsibility to obtain any local, State, or Federal permits which may be required. The Program's decisions for the depicted General Permit No. 10 activity and Transition Area Waiver Averaging Plan are contained in separate correspondence.

In accordance with N.J.A.C. 7:7A-1.7, any person who is aggrieved by this decision may request a hearing within 30 days of the decision date by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, P.O. Box 402, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist.

Please contact Bruce Stoneback of our staff at (609) 984-0288 should you have any questions regarding this letter. Be sure to indicate the Program's file number in all communication.

Sincerely,


for David B. Fanz, Supervisor
Bureau of Coastal Regulation

DBF/bas

c: Municipal Clerk
Municipal Construction Official

C O V E R

S H E E T

FAX

To: Mr. Robert Lawrence
Burlington County Health Department
Fax #: 609-265-5541
Subject: Soil Witnessing Letter
Hoffman Property
Lot 14, Block 103
Chesterfield Twp
Date: February 14, 2006
Pages: XX, including this cover sheet.

COMMENTS:

Bob,
Attached is a copy of the letter from Nancy Jamanow, PE Township Engineer for
Chesterfield Twp regarding the soil profile pits conducted on October 17, 2006

Any questions, please do not hesitate to call.

Thanks

Robert Weatherford, PE

From the desk of...

Robert Weatherford, PE

RBS Engineering Co.
P.O. Box 301
New Egypt, N.J. 08533

888-870-4478
Fax: 609-286-9019



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15 Years
of Service*

**ENVIRONMENTAL RESOLUTIONS, INC.
ENGINEERS, SCIENTISTS & PLANNERS**

525 FELLOWSHIP ROAD, SUITE 300, MT. LAUREL, NEW JERSEY 08054-3415
TEL 856-235-7170 FAX 856-273-9239 mail@erinj.com

Christopher J. Noll, PE, CME, PP, President, CEO
Barbara J. Fegley, AICP, PP, Sec/Treas, Sr VP
Nancy W. Jamanow, PE, CME, PP, VP

Kevin Becica, PE, CME, PP
Hagop Keshishian, PE, CME
William H. Kirchner, PE, CME
Thomas J. Miller, PE, CME, PP
Joseph P. Orsino, CET
Marc H. Selover, PG

Stacey E. Arcari, PE
Thomas J. Czerniecki, AICP
Timothy Kaluhiokalani, CLA
John L. Scott, Jr., PLS
Patrick S. Vitarelli, PLS, PP
Charles L. Walton, Jr., PE, PP, PLS

February 9, 2006
42000 01

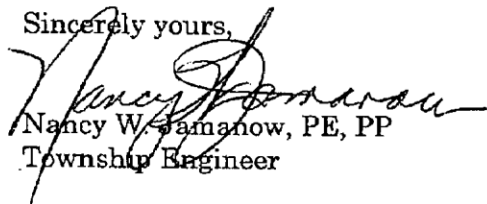
Re: Hoffman
Block 103 Lot 14
Hengeli Road

Chesterfield Township Board of Health
300 Bordentown Chesterfield Road
Trenton, NJ 08620

Dear Members:

As you will recall, an application was previously received for a waiver request for the construction of a septic system on Hengeli Road. The previous application requested variances for a mounded septic system. The Board of Health requested that Environmental Resolutions, Inc. witness soil test pits at the site. This was performed on October 17, 2005. The results of the test pits indicated that a mounded system is not required and that the depth to seasonal high water in the proposed location of the septic system was adequate. As a result of witnessing the test pits, a mounded system is not required. The plan also indicates that the setbacks from the property lines are maintained. Therefore, it does not appear that any waivers or variances are required for the proposed septic system to service lot 14, Block 103 on Hengeli Drive.

Sincerely yours,


Nancy W. Jamanow, PE, PP
Township Engineer

cc: Bonnie Haines, RMC
Joseph Hoffman, 326 Shady Lane, Trenton, NJ 08619
RBS Engineering Co., PO Box 301, New Egypt, NJ 08533
4200001 BOH Hoffman 020906

Regional Office:

69 South White Horse Pike • Berlin, NJ 08009 • 856-767-8205 • Fax 856-767-6064



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February 9, 2006
42000 01

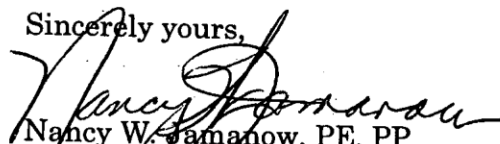
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