



ATLANTIC COUNTY DIVISION OF PUBLIC HEALTH
201 SOUTH SHORE ROAD
NORTHFIELD, NEW JERSEY 08225
PHONE 645-5971 OR 645-5972

CERTIFICATE OF COMPLIANCE
PART A - GENERAL INFORMATION

1. PERMITTED ACTIVITIES (CHECK APPLICABLE CATEGORIES):

PERMIT NUMBER 8643-95

☒ New Construction

☐ Alteration/No Expansion or Change of Use
☐ Alteration/Expansion or Change in Use
☐ Alteration/Malfunctioning System
☐ Deviation From Standards
☐ Repairs to Existing System

2. LOCATION OF PROJECT:

MUNICIPALITY: Town of Hammonton LOT 11 BLOCK 4501

STREET ADDRESS Pine Road, Hammonton

3. NAME AND PRESENT ADDRESS OF APPLICANT Artcraft Builders, Inc 505 New Rd. Northfield
APPLICANT'S PHONE NUMBER 484-9444

SEPTIC CONSTRUCTION

☐ PRELIMINARY CONSTRUCTION ITEMS APPROVED
☒ INSTALLATION APPROVED FOR FINAL COVER
☐ CONTRACTOR'S "AS BUILT" RECEIVED
☒ ENGINEER'S CERTIFICATION RECEIVED
☐ NOT APPLICABLE: PUBLIC SEWER

FINAL APPROVAL 4-24-96 BY Carol Quinn (SIGNATURE)
DATE

☒ WATER SUPPLY

☐ NJDEP WELL PERMIT

☒ NJDEP WELL RECORD RECEIVED

☒ INSTALLATION INSPECTION CONDUCTED

☒ BACTERIAL/CHEMICAL ANALYSIS APPROVED

see enclosed addendum
= "A"

☐ VOLATILE ORGANIC SCAN PERFORMED

☐ NOT APPLICABLE: PUBLIC WATER

FINAL APPROVAL 4/24/96 BY Randi M. Portone

PART C- CERTIFIED BY ADMINISTRATIVE AUTHORITY

I CERTIFY UNDER PENALTY OF LAW THAT THE SUBSURFACE SEWAGE DISPOSAL SYSTEM IDENTIFIED IN PART A HAS BEEN LOCATED, CONSTRUCTED, INSTALLED OR ALTERED IN COMPLIANCE WITH THE REQUIREMENTS OF N.J.A.C. 7:9 A-1 AND THE APPLICATION TO CONSTRUCT /ALTER/REPAIR AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM WHICH WAS APPROVED BY THE ADMINISTRATIVE AUTHORITY. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

Carol Quinn
AUTHORIZED SIGNATURE

Carol Quinn
NAME (TYPE OR PRINT)

R. Portone
TYPE OF LICENSE HELD

BS-1843
LICENSE NUMBER

DATE: 4-24-96

WHITE: APPLICANT

PINK: BUILDING OFFICIAL

BLUE: FILE

PH-001 B-91



ATLANTIC COUNTY DIVISION OF PUBLIC HEALTH

201 South Shore Road
Northfield, New Jersey 08225
Telephone (609) 645-5971

PERMIT

DATE August 20, 1995

PERMIT NUMBER 8643-95

Permission is hereby granted to:

☒ Original

☐ Revision

☐ Update

☐ Repair/Replace

☐ Alteration

NAME APPLICANT BUILDINGS, INC.

505 NEW ROAD SUITE 1A

STREET ADDRESS

NORTHFIELD, NJ 08225

CITY, STATE, ZIP

To construct an on-site ☒ standard ☐ pressure dosing ☐ gravity dosing ☐ TWA Permit

prepared by DAVID WOOD PE

dated 7-10-95, and in accordance with the provisions of N.J.S.A. 58:11-23 and N.J.A.C. 7:9-2.1 et seq. at:

MUNICIPALITY TOWN OF HAMMONTON, BLOCK 4501, LOT 11

APPROVED BY / DIVISION REPRESENTATIVE Karen Davis Sanitary Inspector
(Signature) (Title)

NOTICE

This permit expires on year from the date of issue. Applicants are advised to contact our office for update procedures. The originals for your records. Other copies are provided for distribution to the building official, contractor and engineer. Notice (by copy and attachments) is hereby served upon the appropriate agency NJDEP "Critical Areas", Pinelands Commission, X Pinelands # X, having jurisdiction. 94-0361-.01

SEPTIC CONSTRUCTION APPROVAL

It is the responsibility of the contracted installer to follow all "APPROVED" design specification. Changes encountered or proposed in soil, water tables, location or construction must be brought to the immediate attention of the design engineer and this office. Major deviations will render this permit null and void, thus requiring submission of a revised plan. The system must be inspected by a representative of this agency prior to covering from view. A minimum of 24 hours of advance notice is necessary. Additional construction items and the corresponding inspections to be completed for final cover approval are checked below.

☐ Engineer Certification (Dosing chamber)

☐ Backhoe of topsoil

☐ Curtain drains

☐ Excavation of impervious soils (Clay)

☒ Excavation of highly permeable soils

☐ Placement of fill with perimeter (Engineer's certification)

☒ Other bottom of bed can be no deeper than 2'2" below existing grade at highest elevation
WATER SUPPLY APPROVAL

It is the responsibility of the applicant, in conjunction with a NJ licensed well driller, to obtain a STATE well permit for properties without a public supply. Upon installation, the driller is to complete a NJDEP well record and submit a copy to this office. Final water approval and the issuance of a certificate of occupancy is contingent upon all above items and the appropriate items checked below.

☐ Public water system

☒ 24 Hours advance notice for County inspection of well drilling. 24 hours

☒ Collection and analysis of a water sample by a private certified laboratory.

☒ Bacterial and chemical results submitted to this office for review/approval.

☐ Performance of a volatile organic scan through a private certified laboratory.

☐ Performance of mercury test through a private certified laboratory.

☐ Other

White - APPLICANT'S COPY

Pink - BUILDING OFFICIAL'S COPY

Blue - FILE COPY

Goldened - INSTALLER'S COPY

Yellow - ENGINEER'S COPY

ATLANTIC COUNTY DIVISION OF PUBLIC HEALTH

201 SOUTH SHORE ROAD

NORTHFIELD, NEW JERSEY 08225

PHONE 645-7700 EXT. 4372

1-A

8643-95

MUNICIPALITY OR TOWNSHIP

TOWN OF HAMMONTON

BLOCK 4501

LOT 11

TYPE OF PERMIT NEEDED:

XXXX NEW CONSTRUCTION DEVIATION FROM STANDARDS

ALTERATION/EXPANSION/CHANGE IN USE

ALTERATION/NO EXPANSION/CHANGE IN USE

REPAIR/MALFUNCTIONING SYSTEM

LOCATION OF PROPERTY PINE ROAD, Hammonton

OWNER AMTORGHT BUILDERS INC. PHONE 484-9444

ADDRESS EOS NEW ROAD SUITE 1A

LOT SIZE FRONT 330' REAR 330' RIGHT SIDE 1304' LEFT SIDE 1304' AREA 9.89 ACRES

TYPE OF FACILITY

XXXX SINGLE FAMILY DRILLING: #PEOPLE 4 #BEDROOMS 3 GARBAGE GRINDER: YES NO XXX

EXPANSION ATTIC: YES NO XXX (IF YES, GIVE ADDITIONAL NUMBER OF BEDROOMS n/a

#PEOPLE SERVED DAILY ANTICIPATED TOTAL GALLONS PER DAY

LAUNDRY FACILITIES: YES NO (IF YES, GIVE ANTICIPATED DAILY USE

FLOOR SPACE AREA OF BUILDING (SQ. FT.)

TYPE OF WASTE

SANITARY XXXXX INDUSTRIAL OTHER

PROPOSED WATER SUPPLY

PUBLIC WATER SUPPLY NON-PUBLIC WATER SUPPLY XXX (IF NON-PUBLIC WATER SUPPLY IS USED A STATE WELL PERMIT MUST BE OBTAINED.)

OTHER APPROVALS/CERTIFICATIONS/WAIVERS/EXEMPTIONS (ATTACH TO APPLICATION)

PITLANDS COMMISSION

U.S. ARMY CORPS OF ENGINEERS

NATEP-BUREAU OF FLOOD PLAIN MNGT.

OTHER SPECIFY

I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 1A 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

FOR AGENCY USE ONLY

APPLICATION DENIED/REASON/CITE VIOLATIONS

X APPLICATION APPROVED/DATE 8-30-98 APPLICATION APPROVED SUBJECT TO DEP APPROVAL

APPROVED BY, SIGNATURE *Timothy Blum* *Sanitary Inspector*

CLAY TO BE REMOVED TO A DEPTH OF

AND EXCAVATION INSPECTED PRIOR TO CONTINUING CONSTRUCTION.

FILL IN THE AMOUNT OF AT LEAST MUST BE PLACED AND INSPECTED PRIOR TO CONTINUING CONSTRUCTION.

BOTTOM OF BED TO BE NO DEEPER THAN FEET BELOW EXISTING GRADE

STAMP OF APPROVAL

APPROVED

ADDITIONAL PERMIT REQUIREMENTS ON ATTACHED SHEET

ATL. CO. HEALTH DEPT.

201 S. SHORE ROAD

NORTHFIELD, NJ 08225

PHONE 645-5971

EXT. 4364

MUNICIPALITY HammontonBLOCK 4501 LOT 11

JOSEPH PRATZNER

General Site Evaluation Date _____

1. Name, Address of Site Evaluator (Print) _____

2. Phone # 965-1259

3. Special Site Limitations Identified _____

Flood Plains _____ Bedrock Outcrops _____ Wetlands _____

Excessively Stony _____ Disturbed Ground _____ Sink Holes _____

Sand Dunes _____ Steep Slopes _____

Other Specify _____

4. Considerations Relating to Disturbed Ground:

a) Type of Disturbance (Check appropriate)

filled area _____ excavated area _____ other _____

subsurface drains _____ regraded area _____

b) Pre-existing Natural Ground Surface _____ Assumed Benchmark and Datum _____

Elevation Relative to Existing Ground Surface _____

Method of Identification Topographic Survey

c) Suitability of Disturbed Ground _____

_____ unsuitable: Objects Subject to Disintegration or Change in Volume

_____ excessively coarse

Proctor Test Performed _____ Standard Proctor Density _____

5. Hydraulic Head Test:

a) Hydraulically Restrictive Horizon: Depth Top to Bottom _____

b) Piezometer A: Depth to Bottom _____ Depth to Water level (24Hrs) _____

c) Piezometer B: Depth to Bottom _____ Depth to Water level (24hrs) _____

d) Witnessed by _____ Signature _____ Date _____

6. Attachments: (Check Appropriate)

XXX Site Plan _____ XXX Soil logs _____

XXX key map showing location of site on USGS. Quad or other Accurate Map _____

XXX key map showing location of site on USDA Soil Survey Map _____

XXX Other - Specify _____ General Notes: Material Specifications; Construction Specs _____

7. I hereby certify that the information furnished on form 2-A 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 (NJSEA 5B:10A-1 et seq) and

is subject to penalties as prescribed in NJAC 7:14-B

Signature of Soil Evaluator: Joseph Pratzner Date 6/30/95Signature of Professional Engineer: David F. Wood License # 25239

David F. Wood PE # 25239

7/26/95

GENERAL DESIGN DATA

1. VOLUME OF SANITARY SEWAGE, Gal 500 gal per day for 3 bedroom single family dwelling
- XXX Residential: No. of Dwelling Units 1 Total No. of Bedrooms 3
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. ALTERNATIONS OR REPAIRS

- a) Reason for Alteration or Repair (Check Appropriate Categories)
Expansion or Change in Use _____ Upgrade Existing Facilities
Correct Malfunctioning System _____ Other Specify _____

b) Describe Nature of Alteration or Repair _____

3. SYSTEM COMPONENTS:

- a) Grease Trap Capacity, gals _____
Show Calculation Used _____
- b) Septic Tank Capacities, gals: 1000 First (Single) Compartment 1000
Second Compartment _____ Third Compartment _____
- c) Effluent Distribution
Method: XXXX Gravity Flow _____ Gravity Dosing _____
Dosing Device: _____ Pump _____ Siphon _____
- d) Dosing Tank Capacities, gals: total Capacity _____ Dose Volume _____
Reserve Capacity _____
- e) Laterals: Number 8 Total Length 34 Pipe each size 4" Spacing 3'
- f) Connecting Pipe: Size 4" Length 41.87'
- g) Mainfold: Size _____ Length _____
- h) Disposal Field: Type of Installation SRE
Design Permeability (Percolation Rate) 6-20 in/hr
Trenches: Width _____ Total length _____ Bed: Area: 816 sq (24' 34')
- 1) Seepage Pits: Design Percolation Rate _____
Number of Pits _____ Total Percolating Area Provided _____

4. ATTACHMENTS (CHECK ITEM INCLUDED):

- XXXX General Plan of System Showing Location of All System Components
XXXX X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank
Disposal Field, Seepage Pits and Interceptor Drains
XXXX Pump Performance Curve
XXXX Other Specify General Notes; Material Specifications; Construction Specification

5. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 5A 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-B.

SIGNATURE OF PROFESSIONAL ENGINEER

David F. Wood

DATE

7/26/95

David F. Wood PE # 25239

SOIL LOG AND INTERPRETATION

MUNICIPALITY Hammononton
BLOCK 4501 LOT 11

1. LOG# 1 METHOD# (ONE): XX PROFILE FIT BORING
2. SOIL LOG (INDICATE MUNSEL COLOR NAME AND SYMBOL:
ESTIMATED TEXTURAL CLASS; ESTIMATED VOLUME %
COARSE FRAGMENT; IF PRESENT, STRUCTURE: MOIST
OR DRY CONSISTANCE; MOTTILING - ABUNDANCE, SIZE
AND CONTRAST, IF PRESENT)

DEPTH	DESCRIPTION OF SOILS
	See attached Soil Log # 1

DEPTH TO SEASONAL 80 ins DEPTH TO GROUNDWATER 138 ins
DATE PERFORMED 6/30/95 WITNESSED X BY KAREN HADJINAKIS
Atlantic Co.

SIGNATURE AND SEAL OF PROFESSIONAL ENGINEER

David F. Wood 7/26/95

David F. Wood PE# 25239

3. GROUND WATER OBSERVATIONS: P.S. #11 / See page - Indicate Depth 138" Pct/Boring Flooded Depth after hrs

4. SOIL LIMITING ZONES (✓ appropriate)

<u> </u> <u>Fractured Rock Substratum</u>	<u> </u> <u>Depth to top</u>
<u> </u> <u>Massive Rock Substratum</u>	<u> </u> <u>Depth to top</u>
<u> </u> <u>Excessively Coarse Horizon</u>	<u> </u> <u>Depth top to Bottom</u>
<u> </u> <u>Excessively Coarse Substratum</u>	<u> </u> <u>Depth to top</u>
<u>✓</u> <u>Hydraulically Restrictive Horizon</u>	<u> </u> <u>Depth top to bottom</u> <u>108" 130"</u>
<u> </u> <u>Hydraulically Restrictive Substratum</u>	<u> </u> <u>Depth to top</u>
<u> </u> <u>Perched Zone of Saturation</u>	<u> </u> <u>Depth top to bottom</u>
<u> </u> <u>Regional Zone of Saturation</u>	<u> </u> <u>Depth to top</u>

5. SOIL SUITABILITY CLASSIFICATION (From table 10.1) I

6. I hereby certify that the information furnished on Form I B of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (NJSA 58:10 A-1 et seq) and is subject to penalties as prescribed in NJAC 7:24-6.

Signature of Site Evaluator

Joseph J. Pappas

Date

6/30/95David F. Wood7/26/95 License # 25239

Signature and Seal of Professional Engineer

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTH

2-B

MUNICIPALITY HAMMONTON
BLOCK 4501 LOT 11

SOIL PERMEABILITY DATA PROFILE PIT # 1

Assign a number for each test and a letter for each test replicate. Show test date and calculations on form 3B, 4B or 5B. 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 TUBE PERMEAMETER	Test (NUMBER)	Replicate (LETTER)	Depth (INCHES)	Result*
	1	A/B	80-100	5.46/5.24
	2	A/B	100-108	7.02/6.57

2. Design Permeability/Percolation Rate:
Average of Test Replicates _____
Slowest of Replicates _____

Specify Test Number
Single Replicate _____

3. Type of Limiting Zone Identified _____

Test Number _____

4. Attachments (✓ items included)

X form 3B - Tube Permeameter Test Data - No. of Sheets 4
form 4B - Soil Permeability Class Rating Test Data - No. of Sheets _____
form 5B - Percolation Test Data - No. of Sheets _____

5. I hereby certify that the information furnished on form 2-B 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 (NJSA 58:10A-1 et. seq.) and is subject to penalties as prescribed in NJAC 7:14-8.

SIGNATURE OF SOIL EVALUATOR John P. Pickett DATE _____

7:14-8.
SIGNATURE OF PROFESSIONAL ENGINEER David F. Wood LICENSE# 25239

DAVID F. WOOD PE 25239 7/26/95

* 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 1 BASIN DRAINS COMPLETELY WITHIN 24 HOURS AFTER SECOND FILING, NEGATIVE OTHERWISE.

ATLANTIC COUNTY DIVISION
OF

PUBLIC HEALTH

Profile Pit #1

TUBE PERMEAMETER TEST DATA

MUNICIPALITY HammontonBL 4501 LOT 11

1. Test Number 1 Replicate (Letter) A Date Collected 6-30-95
 2. Material Tested: Fill XXX Native Soil-indicate depth 80"-100"
 3. Type of Sample Undisturbed ✓ Disturbed
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 3.93
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 141.5
 Sample Volume (L X 2.54 cm/inch X 3.14 R²), cc 99.5
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.82
 6. Standpipe Used: No ✓ Yes

7. Indicate Internal Radius, cm 0.33
 Height of Water Level Above Rim of Basin, In inches:
 At the Beginning of Each Test Interval, H₁ 20.72
 At the End of Each Test Interval H₂ 13.1

8. Rate of Water Level Drop:

Time, Start of Test Interval, T ₁	Time, End of Test Interval T ₂	Length of Test Interval T, Minutes
<u>—</u>	<u>0.681</u>	<u>0.681</u>
<u>—</u>	<u>0.675</u>	<u>0.675</u>
<u>—</u>	<u>1.695</u>	<u>0.695</u>
<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times \frac{r^2}{R^2} \times \frac{L (\text{in})}{T (\text{min})} \times \ln \left(\frac{H_1}{H_2} \right) \\ = 60 \text{ min/hr} \times 0.09 / 3.17 \times 3.93 / 0.681 \times 1.2$$

$$\times \ln \left(\frac{20.72}{13.1} \right) = 5.46$$

10. Defects in the Sample (✓ appropriate items)

✓ None Cracks Worn Channels
Root Channels Soil/Tube Contact
Large Gravel Large Roots
Dry Soil Smearing Compaction
 Other Specify —

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B OF THIS APPLICATION IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (NJSA 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN NJAC 7:14-6.

SIGNATURE OF SOIL EVALUATOR John T. PackardDATE 7-18-95SIGNATURE OF PROFESSIONAL ENGINEER David F. WoodLICENSE # 252397/26/95

3-B

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTH

Profile Pit #1

MUNICIPALITY Hammonton
BL 4501 LOT 11

TUBE PERMEAMETER TEST DATA

1. Test Number 1 Replicate (Letter) B Date Collected 6-30-95
 2. Material Tested: Fill AKK Native Soil-indicate depth 80" (00)"
 3. Type of Sample Undisturbed Disturbed
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 3.89
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 171.7
 Sample Volume (L X 2.54 cm/inch X 3.14 R²). cc 98.5
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.74
 6. Standpipe Used: No Yes
Indicate Internal Radius, cm 0.53
 7. Height of Water Level Above Rim of Basin, In inches:
 At the Beginning of Each Test Interval, H₁ 20.62
 At the End of Each Test Interval H₂ 13.0
 8. Rate of Water Level Drop:

Time, Start of Test Interval, T ₁	Time, End of Test Interval T ₂	Length of Test Interval T, Minutes
<u>—</u>	<u>0.704</u>	<u>0.704</u>
<u>—</u>	<u>0.711</u>	<u>0.711</u>
<u>—</u>	<u>0.710</u>	<u>0.710</u>
<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times r^2/R^2 \times L (\text{in})/T (\text{min}) \times \ln (H_1/H_2)$$

$$= 60 \text{ min/hr} \times 0.109 / 3.17 \times 3.89 / 0.708$$

$$\times \ln (20.62 / 13.0) = 5.24$$

10. Defects in the Sample (✓ appropriate items)

- None Cracks Worn Channels
Root Channels Soil/Tube Contact
Large Gravel Large Roots
Dry Soil Smearing Compaction
 Other Specify

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B 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. 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-6.

SIGNATURE OF SOIL EVALUATOR John T. PackardDATE 7-18-95David F. Wood

SIGNATURE OF PROFESSIONAL ENGINEER

LICENSE # 252397/26/95

ATLANTIC COUNTY DIVISION

OF

PUBLIC HEALTH

Profile Per #1

MUNICIPALITY HammontonBL. 4501 LOT 11

TUBE PERMEAMETER TEST DATA

1. Test Number 2 Replicate (Letter) A Date Collected 6-30-95
 2. Material Tested: Fill XXX Native Soil-indicate depth/60-108"
 3. Type of Sample Undisturbed ✓ Disturbed
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 3.78
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 137.0
 Sample Volume (L X 2.54 cm/inch X 3.14 R²), cc 95.5
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.43
 6. Standpipe Used: No ✓ Yes

7. Indicate Internal Radius, cm 0.33

Height of Water Level Above Rim of Basin, in inches:

At the Beginning of Each Test Interval, H₁ 21.62

At the End of Each Test Interval H₂ 14.0

8. Rate of Water Level Drop:

Time, Start

of Test

Interval, T₁

Interval T₂

Length of Test

Interval T,

Minutes

0.508

0.477

0.467

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times \frac{r^2}{R^2} \times \frac{L (\text{in})}{T (\text{min})} \times \ln \left(\frac{H_1}{H_2} \right)$$

$$= 60 \text{ min/hr} \times \frac{0.109}{1.317} \times \frac{3.78}{3.78} \times \frac{0.484}{0.484}$$

$$\times \ln \left(\frac{21.62}{14.0} \right) = 7.02$$

10. Defects in the Sample (V appropriate items)

- ☒ None ☐ Cracks ☐ Worn Channels
☐ Root Channels ☐ Soil/Tube Contact
☐ Large Gravel ☐ Large Roots
☐ Dry Soil ☐ Smearing ☐ Compaction
☐ Other ☐ Specify _____

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B 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. 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-B.

SIGNATURE OF SOIL EVALUATOR John T. Pickett

DATE

7-18-95

SIGNATURE OF PROFESSIONAL ENGINEER

David F. Wood

LICENSE #

25239

7/26/95

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTH

Profile Per #1

MUNICIPALITY Hammonton
BL 4501 LOT 11

TUBE PERMEAMETER TEST DATA

1. Test Number 2 Replicate (Letter) B Date Collected 6-30-95
 2. Material Tested: Fill AKX Native Soil-indicate depth 100-108
 3. Type of Sample Undisturbed ✓ Disturbed
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 3.82
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 144.6
 Sample Volume (L x 2.54 cm/inch x 3.14 R²), cc 96.5
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.50
 6. Standpipe Used: No ✓ Yes
 Indicate Internal Radius, cm 0.33
 7. Height of Water Level Above Rim of Basin, In inches:
 At the Beginning of Each Test Interval, H₁ 21.52
 At the End of Each Test Interval H₂ 13.9
 8. Rate of Water Level Drop:

Time, Start of Test	Time, End of Test	Length of Test Interval T, Minutes
Interval, T ₁	Interval T ₂	
<u>0.519</u>	<u>0.519</u>	<u>0.519</u>
<u>0.527</u>	<u>0.527</u>	<u>0.527</u>
<u>0.531</u>	<u>0.531</u>	<u>0.531</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times r^2/R^2 \times L (\text{in})/T (\text{min}) \times \ln (H_1/H_2)$$

$$= 60 \text{ min/hr} \times 0.109 / 3.17 \times 3.82 / 4.526$$

$$\times \ln (21.52/13.9) = 6.57$$

10. Defects in the Sample (V appropriate items)

- ☒ None ☐ Cracks ☐ Worm Channels
☐ Root Channels ☐ Soil/Tube Contact
☐ Large Gravel ☐ Large Roots
☐ Dry Soil ☐ Shearing ☐ Compaction
 Other Specify

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B OF THIS APPLICATION IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (NJSEA 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN NJAC 7:14-2.

SIGNATURE OF SOIL EVALUATOR John T. Pankap DATE 7-18-95

SIGNATURE OF PROFESSIONAL ENGINEER David F. Wood LICENSE # 25239
7/26/95

SOIL PROFILE PIT No. 1

<u>DEPTH (Inches)</u>	<u>USDA TEXTURAL CLASSIFICATION</u>	<u>MUNSELL SOIL COLOR</u>
<u>1262</u> 0 - 14	<u>Sand, Single Grain, Granular, Soft</u>	10YR 3/3 Dark Brown
<u>77.49</u> 14 - 30	<u>Loamy Sand, Weak, Subangular Blocky, Firm</u>	10YR 5/8 Yellowish Brown
<u>76.12</u> 30 - 80	<u>Sand, Weak, Subangular Blocky, Firm, 35% Medium Gravel</u>	10YR 7/8 Yellow
<u>71.99</u> 80 - 100	<u>Sand, Weak, Subangular Blocky, Friable, 10% Medium Gravel</u>	2.5Y 7/4 Pale Yellow with 2.5Y 8/2 Pale Yellow Mottles, Common, Fine, Faint
<u>70.27</u> 100 - 108	<u>Sandy Loam, Strong, Subangular Blocky, Very Firm</u>	2.5Y 6/3 Light Yellowish Brown
<u>69.62</u> 108 - 130	<u>Clay, Massive, Very Firm</u>	10YR 7/1 Light Gray
<u>67.79</u> 130 - 154	<u>Sand, Single Grain, Subangular Blocky, Loose</u>	10YR 8/1 White
<u>71.99</u> Seasonal High Water Table Estimated At 80 Inches. Actual Water Table Encountered At 138 Inches.	<u>65.79</u> <u>67.12</u>	

Date: June 30, 1995
Method: Backhoe
Log By: J. Pratzner, Jr.
Property Location: Block 4501, Lot 11, Pine Road, Town of Hammononton.

Note: This test pit was witnessed by Karen Hanni of the Atlantic County Division of Public Health.

SOIL LOG AND INTERPRETATIONMUNICIPALITY HAMMONTON
BLOCK 4501 LOT 11

1. LOG# 2 METHOD ☒ ONE): XX PROFILE FJT BORING
2. SOIL LOG (INDICATE MUNSEL COLOR NAME AND SYMBOL:
ESTIMATED TEXTURAL CLASS; ESTIMATED VOLUME
COARSE FRAGMENT; IF PRESENT. STRUCTURE: MOIST
OR DRY CONSISTANCE; MOTTILING - ABUNDANCE. SIZE
AND CONTRAST, IF PRESENT)

DEPTH	DESCRIPTION OF SOILS
	See Attached Soil Log # 2

DEPTH TO SEASONAL 80 ins
DATE PERFORMED 6/20/95 WITNESSED XDEPTH TO GROUNDWATER 146 ins
BY KAREN HAMMON WAIVED

Atlantic Co.

SIGNATURE AND SEAL OF PROFESSIONAL ENGINEER

David F. Wood 7/26/95

David F. Wood DE# 95720

3. GROUND WATER OBSERVATIONS: P-12

✓ Seepage r Indicate Depth 146" Pw/Baring Flooded Depth after hrs

4. SOIL LIMITING ZONES (V appropriate)

 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 124-130" Hydraulically Restrictive Substratum Depth to top Perched Zone of Saturation Depth top to bottom Regional Zone of Saturation Depth to top 5. SOIL SUITABILITY CLASSIFICATION (From table 10.1) I

6. I hereby certify that the information furnished on Form I B of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (NJSA 58:10 A-1 et seq) and is subject to penalties as prescribed in NJAC 7:14-6.

Signature of Site Evaluator Joseph J. PappinDate 6/30/95David F. Wood7/26/95License # 25239

Signature and Seal of Professional Engineer

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTH

2-B

MUNICIPALITY HAMMONTON
BLOCK 4501 LOT 11

SOIL PERMEABILITY DATA PROFILE PIT # 2

Assign a number for each test and a letter for each test replicate. Show test data and calculations on form 3B, 4B or 5B. 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 Tube Permeameter	Test (NUMBER)	Replicate (LETTER)	Depth (INCHES)	Result*
	1	A/B	80-108	8.28/8.50
	2	A/B	108-124	10.68/8.70

2. Design Permeability/Percolation Rate:

Average of Test Replicates _____
Slowest of Replicates _____

Specify Test Number:
Single Replicate _____

3. Type of Limiting Zone Identified

Test Number _____

4. Attachments (✓ items included)

XXX form 3B - Tube Permeameter Test Data - No. of Sheets 4
form 4B - Soil Permeability Class Rating Test Data - No. of Sheets _____
form 5B - Percolation Test Data - No. of Sheets _____

5. I hereby certify that the information furnished on form 2-E 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 (NJSA 5B:10A-1 et. seq.) and is subject to penalties as prescribed in NJAC 7:14-6.

SIGNATURE OF SOIL EVALUATOR

John P. Seab

DATE

SIGNATURE OF PROFESSIONAL ENGINEER

David F. Wood

LICENSE# 25239

David F. Wood PE # 25239 7/26/95

* 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.

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTH

PROFILE PIT #2

TUBE PERMEAMETER TEST DATA

MUNICIPALITY HAMMONTON
BL 4501 LOT 11

1. Test Number () Replicate (Letter) A Date Collected 6-30-95
 2. Material Tested: Fill XYX Native Soil-indicate depth 80"-108"
 3. Type of Sample Undisturbed ☒ Disturbed ☒
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 346
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 135.8
 Sample Volume (L X 2.54 cm/inch X 3.14 R²), cc 875
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.55
 6. Standpipe Used: ☒ No ☐ Yes

☒ Indicate Internal Radius, cm 0.33

7. Height of Water Level Above Rim of Basin, in inches:

At the Beginning of Each Test Interval, H₁ 21.32At the End of Each Test Interval H₂ 15.7

8. Rate of Water Level Drop:

Time, Start of Test	Time, End of Test	Length of Test Interval T, Minutes
Interval, T ₁	Interval T ₂	
<u>—</u>	<u>0.382</u>	<u>0.382</u>
<u>—</u>	<u>0.383</u>	<u>0.383</u>
<u>—</u>	<u>0.382</u>	<u>0.382</u>
<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times r^2/R^2 \times L (\text{in})/T (\text{min}) \times \ln (H_1/H_2)$$

$$= 60 \text{ min/hr} \times 0.109 / 3.17 \times 3.46 / 0.382$$

$$\times \ln (21.32 / 15.7) = 8.28$$

10. Defects in the Sample (V appropriate items)

- ☒ None ☐ Cracks ☐ Worn Channels
☐ Root Channels ☐ Soil/Tube Contact
☐ Large Gravel ☐ Large Roots
☐ Dry Soil ☐ Smearing ☐ Compaction
 Other Specify —

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B 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.A.C. 15:27 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 15:27-2.

SIGNATURE OF SOIL EVALUATOR

John T. Paubek

DATE

7-18-95

SIGNATURE OF PROFESSIONAL ENGINEER

David F. WoodLICENSE # 252397/26/95

ATLANTIC COUNTY DIVISION
OF
PUBLIC HEALTHProfile Pit #2
TUBE PERMEAMETER TEST DATAMUNICIPALITY HAMMONTON
BL 4501 LOT 11

1. Test Number 1 Replicate (Letter) B Date Collected 6-30-95
 2. Material Tested: Fill XYX Native Soil-indicate depth 80"-108"
 3. Type of Sample Undisturbed ☒ Disturbed
 4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
 Length of Sample, L, in inches 3.58
 5. Bulk Density Determination (Disturbed Samples Only):
 Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 138.7
 Sample Volume ($L \times 2.54$ cm/inch $\times 3.14 R^2$), cc 90.5
 Bulk Density (Sample Wt./Sample Vol.), grams/cc 1.53
 6. Standpipe Used: None ☒ Yes

7. Indicate Internal Radius, cm 0.33
 Height of Water Level Above Rim of Basin, In inches:
 At the Beginning of Each Test Interval, H_1 20.42
 At the End of Each Test Interval H_2 12.2
 8. Rate of Water Level Drop:

Time, Start of Test Interval, T_1	Time, End of Test Interval T_2	Length of Test Interval T, Minutes
<u>0.409</u>	<u>0.409</u>	<u>0.409</u>
<u>0.411</u>	<u>0.411</u>	<u>0.411</u>
<u>0.401</u>	<u>0.401</u>	<u>0.401</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times \frac{r^2}{R^2} \times \frac{L (\text{in})}{T (\text{min})} \times \ln \left(\frac{H_1}{H_2} \right)$$

$$= 60 \text{ min/hr} \times \frac{0.109}{0.169} \times \frac{3.17}{3.58} \times \frac{20.42}{12.2} \times \ln \left(\frac{20.42}{12.2} \right) = 8.50$$

10. Defects in the Sample (✓ appropriate items)

✓ None Cracks Worn Channels
Root Channels Soil/Tube Contact
Large Gravel Large Roots
Dry Soil Smearing Compaction
 Other Specify

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B OF THIS APPLICATION IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (NJSEA 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN NJAC 7:14-2.

SIGNATURE OF SOIL EVALUATOR John T. PackardDATE 7-18-95David F. Wood

SIGNATURE OF PROFESSIONAL ENGINEER

LICENSE # 252397/26/95

Profile Pit #2

TUBE PERMEAMETER TEST DATA

MUNICIPALITY HAMMONTONBL 4501 LOT 11

1. Test Number 2 Replicate (Letter) A Date Collected 6-30-95
2. Material Tested: Fill XXY Native Soil-indicate depth 105"-124"
3. Type of Sample Undisturbed ☒ Disturbed
4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
Length of Sample, L, in inches 5.17
5. Bulk Density Determination (Disturbed Samples Only):
Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 136.30
Sample Volume ($L \times 2.54$ cm/inch $\times 3.14 R^2$), cc 131.4
Bulk Density (Sample Wt/Sample Vol.), grams/cc 1.03
6. Standpipe Used: No ☒ Yes
7. Indicate Internal Radius, cm 0.33
Height of Water Level Above Rim of Basin, in inches:
At the Beginning of Each Test Interval, H_1 21.32
At the End of Each Test Interval H_2 13.7
8. Rate of Water Level Drop:

Time, Start of Test Interval, T_1	Time, End of Test Interval T_2	Length of Test Interval T, Minutes
<u>—</u>	<u>0.438</u>	<u>0.438</u>
<u>—</u>	<u>0.444</u>	<u>0.444</u>
<u>—</u>	<u>0.446</u>	<u>0.446</u>
<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times r^2/R^2 \times L (\text{in})/T (\text{min}) \times \ln (H_1/H_2)$$

$$= 60 \text{ min/hr} \times 0.109 / 3.17 \times 5.17 / 0.443$$

$$\times \ln (21.32 / 13.7) = 10.68$$

10. Defects in the Sample (☒ appropriate items)

- ☒ None ☐ Cracks ☐ Worn Channels
- ☐ Root Channels ☐ Soil/Tube Contact
- ☐ Large Gravel ☐ Large Roots
- ☐ Dry Soil ☐ Smearing ☐ Compaction
- ☐ Other ☐ Specify —

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B 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. 58:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-E.

SIGNATURE OF SOIL EVALUATOR John T. PackardDATE 7-18-95SIGNATURE OF PROFESSIONAL ENGINEER David F. WoodLICENSE # 252397/26/95

ATLANTIC COUNTY DIVISION
OF

PUBLIC HEALTH

Profile Pit #2

TUBE PERMEAMETER TEST DATA

MUNICIPALITY HAMMONTONBL 4501 LOT 11

1. Test Number 2 Replicate (Letter) B Date Collected 6-30-95
2. Material Tested: Fill XXY Native Soil-indicate depth 108"-124"
3. Type of Sample Undisturbed ✓ Disturbed
4. Sample Dimensions: Inside Radius of Sample Tube, R, in cm 1.78
- Length of Sample, L, in inches 4.17
5. Bulk Density Determination (Disturbed Samples Only):
- Sample Weight (Wt Tube Containing Sample - Wt of Empty Tube) grams 117.3
- Sample Volume (L X 2.54 cm/inch X 3.14 R²), cc 105.5
- Bulk Density (Sample Wt/Sample Vol.), grams/cc 1.11
6. Standpipe Used: No ✓ Yes
- Indicate Internal Radius, cm 0.33
7. Height of Water Level Above Rim of Basin, in inches:
- At the Beginning of Each Test Interval, H₁ 21.52
- At the End of Each Test Interval H₂ 13.9
8. Rate of Water Level Drop:

Time, Start of Test Interval, T ₁	Time, End of Test Interval T ₂	Length of Test Interval T, Minutes
<u>—</u>	<u>0.491</u>	<u>0.491</u>
<u>—</u>	<u>0.497</u>	<u>0.497</u>
<u>—</u>	<u>0.490</u>	<u>0.490</u>
<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>

9. Calculation of Permeability:

$$K, (\text{in/hr}) = 60 \text{ min/hr} \times \frac{r^2}{R^2} \times L (\text{in}) / T (\text{min}) \times \ln (H_1/H_2)$$

$$= 60 \text{ min/hr} \times \frac{0.169}{13.9} \times 4.17 \times \frac{21.52}{13.9} = 8.70$$

10. Defects in the Sample (✓ appropriate items)

- ✓ None Cracks Worn Channels
- Root Channels Soil/Tube Contact
- Large Gravel Large Roots
- Dry Soil Smearing Compaction
- Other Specify

11. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON FORM 3-B 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. 15:10 A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-2.

SIGNATURE OF SOIL EVALUATOR John T. PaulokDATE 7-18-95

SIGNATURE OF PROFESSIONAL ENGINEER

David F. WoodLICENSE # 252397/26/95

SOIL PROFILE PIT No. 2

<u>DEPTH (Inches)</u>	<u>USDA TEXTURAL CLASSIFICATION</u>	<u>MUNSELL SOIL COLOR</u>
<u>17.59</u>	0 - 20 <u>Loamy Sand</u> , Weak, Crumb, Firm	10YR 3/2 Very Dark Grayish Brown
<u>77.92</u>	20 - 34 <u>Sand</u> , Weak, Crumb, Friable	10YR 5/6 Yellowish Brown
<u>76.74</u>	34 - 80 <u>Sand</u> , Weak, Subangular Blocky, Firm, 35% Medium Gravel	10YR 5/6 Yellowish Brown
<u>72.92</u>	80 - 108 <u>Sand</u> , Weak, Subangular Blocky, Friable, 10% Medium Gravel	10YR 7/8 Yellow with 10YR 8/3 Very Pale Brown Mottles, Few, Fine, Faint
<u>70.59</u>	108 - 124 <u>Sandy Loam</u> , Strong, Subangular Blocky, Very Firm	2.5Y 6/3 Light Yellowish Brown
<u>69.26</u>	124 - 130 <u>Clay</u> , Massive, Very Firm	10YR 7/1 Light Gray
<u>68.76</u>	130 - 154 <u>Sand</u> , Single Grain, Subangular Blocky, Loose	10YR 8/1 White
<u>72.92</u>	<u>66.76</u> Seasonal High Water Table Estimated At 80 Inches. Actual Water Table Encountered At 146 Inches.	

Date: June 30, 1995

Method: Backhoe

Log By: J. Pratzner, Jr.

Property Location: Block 4501, Lot 11, Pine Road, Town of Hammononton.

Note: This test pit was witnessed by Karen Hammi of the Atlantic County Division of Public Health.

