



ZONING
OFFICE
COPY

FILE

West Amwell Township
150 Rocktown-Lamb. Road, Lambertville, New Jersey 08530-3203
(609) 397-2054 (609) 397-8634 FAX

RECEIVED
SEP 11 2012

APPLICATION FOR ZONING PERMIT

BY: ZONING OFF

BLOCK 33 LOT 15.03

ZONING DISTRICT: (Circle) SRPD, RR-6, RR-5, RR-4, R-1A, R-9, HC, LHC, NC, LI

Name of applicant: KWAI-LOK YOON

Site Address: 16 WILSON ROAD

Owner & Address: SAME AS ABOVE

Signature: [Signature] Home Phone: [Redacted] Cell phone: [Redacted] Fax Number: [Redacted]

EXISTING PROPOSED ACCESSORY STRUCTURE *TWP. REQUIREMENTS
(Barn, Pool, Shed, etc)

Lot area 373,840 SF
Lot Width _____
Lot Depth _____
Height _____
*(Set Backs)
Front 75'
Rear 50'
Left Side 35'
Right Side 35'
Total lot coverage _____

WEST AMWELL TOWNSHIP
ZONING RELEASED
9-11-12
Zoning Official (18)

MEETS MINIMUM
SIDE YARD SETBACKS
FOR ACCESSORY STRUCTURE

NOT ALLOWED
10' MIN. TO PROP. LINE

Is this lot located in a "Flood Zone" or "Special Flood Hazard Zone" per: F.E.M.A.? NO

Are there known "Wetlands" on this lot? NO

Have there been any "Variances", or "Site Plans" associated with this lot? NO

Is this lot in compliance with the Stream Corridor Protection of West Amwell Township Land Development Ordinance? YES

Describe/detail the existing & proposed activities to be conducted in the Principal building: _____

SINGLE FAMILY DWELLING

Describe/detail the activities to be conducted in any Accessory structure: _____

GROUND MOUNTED BACK UP GENERATOR

This is to certify that the proposed use of this application is APPROVED (18) DENIED

*The approval of this permit does not relieve the applicant of the responsibility for obtaining other required permits.

Lonnie Baldino

Zoning Officer Date: 9-11-12

CONSTRUCTION PERMIT

Date Issued **5-24-03**
 Control #
 Permit # **03-078**

IDENTIFICATION Block 33 Lot 15.03
 Work Site Location 110 Wilson Rd Contractor Little Builders
Lambertville NJ 08530 Address 204 Corporate Dr E
 Owner In Fee _____
 Address _____
 Tel. (____) _____
 Tel. (____) _____
 Lic. No. or Bldrs. Reg. No. _____

I hereby granted permission to perform the following work:
☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☒ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER _____
 (Subchapter 8 only)

DESCRIPTION OF WORK: **SFD**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$100,000.00 Date 6-6-03
 Construction Official [Signature]

U.C.E. Form 1 (rev. 5/2/99) 1 WHITE—INSPECTOR 2 CANARY—OFFICE 3 PMK—TAX ASSESSOR 4 GOLD—APPLICANT (see reverse side)

PAYMENTS (Office Use Only)	
Building	1013
Electrical	201
Plumbing	235
Fire Protection	120
Elevator Devices	
Other	
DCA Training Fee	107
Cost of Occupancy	163
Other	10
Total	1904
Check No.	
Cash	
Collected by	plu

WEST ANMELL TOWNSHIP
LAMBERTVILLE, NJ 08830

LOCAL NEW JERSEY

CERTIFICATE

IDENTIFICATION

Block 33 Lot 15.03 Subd
Mortgage Location 16 WILSON ROAD
LAMBERTVILLE NJ 08830
Owner 2016/Decendant KIM LUK & A DOSEPHINE YUOH
Address 15 PEAR TREE LAKE
FRANKLIN PARK, NJ 08823
Telephone
Contractor LITTLE BUILDERS, INC.
Address 206 CORPORATE DRIVE EAST
LANGHORNE, PA 19047
Telephone (215) 969-1500 Fax
Lic. No. of Bldrs. Reg. No.
Federal Emp. No. 23-2003314

[X] CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

[] CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

[] TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate.

* *William B. Bick*

CONSTRUCTION DEPARTMENT
U.L.C. 2260 (Rev. 3/96) NJ UDAMS 5.2AE

CONDITIONS OF CERTIFICATE OF OCCUPANCY
See Items LIST-J as HOW EXCLUSIONS AFFECT 3 AUG 04

Home Warranty No. 16/657
Type of Warranty Plan: [X] State [] Private
Use Group R
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

SINGLE FAMILY DWELLING

[] CERTIFICATE OF CLEARANCE - LEAD ABATEMENT §17

This serves notice that based on written certification, lead abatement was performed as per NJAC §17. to the following extent:

- [] Total removal of lead-based paint hazards in scope of work
- [] Partial or limited time period (____ years); see title

[] CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

[] CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____.

Fee \$ 163
Paid by Check No. 4086
Collected by: JCH

12/1/04 4:00:00 PM 2 03-078
Permit # 03-078

West Amwell Twp Construction
Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2054



CONSTRUCTION PERMIT

Date Issued: 10-9-12
Permit # 12-00163

IDENTIFICATION Block 33

Lot 15.03

Qualifier _____

Work Site 16 WILSON ROAD Contractor GRAFF ELECTRIC LLC
WEST AMWELL TWP, NJ 08531 Address 854 BORDENTOWN RD
YON, KWAI LOK & JOSEPH COLUMBUS, NJ 08022
Address 16 WILSON ROAD Telephone (609) 324-4441
LAMBERTVILLE, NJ 08530 Lic./Reg. No. _____
Telephone _____

Is hereby granted permission to
perform the following work:

[] BUILDING [X] PLUMBING [] LEAD HAZARD ABATEMENT
[X] ELECTRICAL [X] FIRE PROTECTION [] DEMOLITION
[] ELEVATOR DEVICES [] ASBESTOS ABATEMENT

DESCRIPTION OF WORK:

GENERATOR, LP TANK & GAS PIPING

NOTE: If construction does not commence within one (1) year of date of issuance, or if
construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work for Selected Subcode(s) \$7,597

Christopher J. Rose
Construction Official

10/3/12
Date

V. FEE SUMMARY (Office Only)		
1. Building	<u>Permit</u>	\$0.00
2. Electrical	<u>10/3/12</u>	\$100.00
3. Plumbing		\$130.00
4. Fire Protection		\$60.00
5. Elevator		\$0.00
6. Plan Review		\$0.00
7. Subtotal		\$290.00
8. DCA State Fee		\$12.91
9. Subtotal		\$302.91
10. Certificate		\$0.00
11. Subtotal		\$302.91
12. Exemption		\$0.00
TOTAL		<u>\$303.00</u>

File

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulation N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms to the requirements of the Uniform Construction Code. The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

- ☐ Required inspections for all subcodes for one and two family dwellings are the following:
1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
 2. Foundations and all walls up to grade level prior to back filling.
 3. Utility services, including septic.
 4. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
- ☐ Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.
- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:
- ☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and any other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provisions of the adopted subcodes; Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5.23-3.5, "Posting Structures".
- ☐ A complete copy of released plans must be kept on the job site.

West Amwell Twp Construction Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2054



CERTIFICATE

1026 - WEST AMWELL TWP

Date Issued: 01/31/2013
Permit # 12-00163
Certificate: 1200163.1

IDENTIFICATION

Block 33 Lot 15.03 Qualifier
Work Site Location 16 WILSON ROAD
WEST AMWELL TWP, NJ 08530
Owner in Fee YOUN, KWAI LOK & JOSEPHINE
Address 16 WILSON ROAD
LAMBERTVILLE, NJ 08530
Telephone GRAFF ELECTRIC LLC
Contractor 854 BORDENTOWN RD
Address COLUMBUS, NJ 08022
Telephone (609) 324-4441 FAX
Lic No/Bldrs Reg No. Fed. Emp. No.204297822

Home Warranty No.
Type of Warranty Plan [] State [] Private
Use Group I/U
Maximum Live Load
Construction Class
Max. Occupancy Load
Description of Work/Use
GENERATOR, LP TANK & GAS PIPING

Home Imprv. Reg No. / Exempt
Reason -

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of the inspection.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than or will be subject to fine or order to vacate.

Reason for TCO:

☐ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

[] Total removal of lead-based paint hazards in scope of work
[] Partial or limited time period (years); see file

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

Fee \$0.00
Paid [\$0.00]
Collected by:

Christine J. G...
CONSTRUCTION OFFICIAL

PermitsND

PNJF260 rev. (3/2012)

Printed On: 01/31/2013 20:32

FILE COPY

West Amwell Interlocal Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2036



CONSTRUCTION PERMIT

Date Issued: **JUN 05 2017**
Permit # **17-00083**

IDENTIFICATION Block 33 Lot 15.03 Qualifier _____

Work Site 16 WILSON ROAD Contractor HOMEOWNER
WEST AMWELL TWP, NJ 08530 Address _____
Owner In Fee YOON, KWAI LOK & JOSEPHIN
Address 16 WILSON ROAD Telephone _____
LAMBERTVILLE, NJ 08530 Lic./Reg. No. _____
Telephone _____

Is hereby granted permission to
perform the following work:

[] BUILDING [X] PLUMBING [] LEAD HAZARD ABATEMENT
[X] ELECTRICAL [X] FIRE PROTECTION [] DEMOLITION
[] ELEVATOR DEVICES [] ASBESTOS ABATEMENT

DESCRIPTION OF WORK:

Replace (2) Geo Heat Pumps

NOTE: If construction does not commence within one (1) year of date of issuance, or if
construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work for Selected Subcode(s) \$5,675

Christopher D. Gane
Construction Official

5/25/17
Date

V. FEE SUMMARY (Office Only)	
1. Building	\$0.00
2. Electrical	\$60.00
3. Plumbing	\$60.00
4. Fire Protection	\$60.00
5. Elevator	\$0.00
6. Plan Review	\$0.00
7. Subtotal	\$180.00
8. DCA State Fee	\$10.78
9. Subtotal	\$190.78
10. Certificate	\$0.00
11. Subtotal	\$190.78
12. Exemption	\$0.00
TOTAL	\$191.00

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulation N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms to the requirements of the Uniform Construction Code. The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

- ☐ Required inspections for all subcodes for one and two family dwellings are the following:
1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
 2. Foundations and all walls up to grade level prior to back filling.
 3. Utility services, including septic.
 4. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
- ☐ Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable:
- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:
- ☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and any other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provisions of the adopted subcodes; Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5.23-3.5, "Posting Structures".
- ☐ A complete copy of released plans must be kept on the job site.

West Amwell Interlocal Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2036



CERTIFICATE

1026 - WEST AMWELL TWP

Date Issued: 08/02/2017
Permit #: 17-00083
Certificate: 1700083.1

IDENTIFICATION

Block 33 Lot 15.03 Qualifier
Work Site Location 16 WILSON ROAD
WEST AMWELL TWP, NJ 08530
Owner In Fee YOUN, KWAI LOK & JOSEPHINE
Address 16 WILSON ROAD
LAMBERTVILLE, NJ 08530
Telephone [REDACTED]
Contractor HOMEOWNER
Address

Telephone FAX
Lic No/Bldrs Reg No. Fed. Emp. No.
Home Imprv. Reg No. / Exempt Homeowner
Reason -

Home Warranty No.
Type of Warranty Plan [] State [] Private
Use Group ICC/R-5
Maximum Live Load
Construction Class
Max. Occupancy Load
Description of Work/Use
Replace (2) Geo Heat Pumps

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of the inspection.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____ or will be

☐ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

[] Total removal of lead-based paint hazards in scope of work
[] Partial or limited time period (0 years); see file

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____.

Fee \$0.00
Paid [] \$0.00 []
Collected by:

Christopherson
CONSTRUCTION OFFICIAL

PermitsNJ

PNJF260 rev. (5/2013)
Printed On: 08/02/2017 17:54

West Amwell Interlocal Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2036



CONSTRUCTION PERMIT

Date Issued **DEC 20 2017**
Permit # **17-00246**

IDENTIFICATION Block 33

Lot 15.03

Qualifier

Work Site 16 WILSON ROAD
WEST AMWELL TWP, NJ 08531
Owner In Fee YOON, KWAI LOK & JOSEPHINA
Address 16 WILSON ROAD
LAMBERTVILLE, NJ 08530
Telephone [REDACTED]

Contractor 1 800 HEATERS INC
Address 2 GOURMET LN, UNIT G
EDISON, NJ 08837
Telephone (732) 970-8074
Lic./Reg. No. _____

V. FEE SUMMARY (Office Only)

1. Building	\$0.00
2. Electrical	\$60.00
3. Plumbing	\$60.00
4. Fire Protection	\$0.00
5. Elevator	\$0.00
6. Plan Review	\$0.00
7. Subtotal	\$120.00
8. DCA State Fee	\$4.06
9. Subtotal	\$124.06
10. Certificate	\$0.00
11. Subtotal	\$124.06
12. Exemption	\$0.00
TOTAL	\$124.00

Is hereby granted permission to
perform the following work:

[] BUILDING [X] PLUMBING
[X] ELECTRICAL [] FIRE PROTECTION [] LEAD HAZARD ABATEMENT
[] ELEVATOR DEVICES [] ASBESTOS ABATEMENT [] DEMOLITION

DESCRIPTION OF WORK:

Replacement of Electric Water Heater

NOTE: If construction does not commence within one (1) year of date of issuance, or if
construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work for Selected Subcode(s) **\$2,139**

Christopher J. [Signature]
Construction Official

12/20/17
Date

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulation N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that work installed conforms to the requirements of the Uniform Construction Code. The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval given.

- ☐ Required inspections for all subcodes for one and two family dwellings are the following:
1. The bottom of footing trenches before placement of footings, except that in the case of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
 2. Foundations and all walls up to grade level prior to back filling.
 3. Utility services, including septic.
 4. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
- ☐ Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.
- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:
- ☐ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and any other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provisions of the adopted subcodes; Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5.23-3.5, "Posting Structures".
- ☐ A complete copy of released plans must be kept on the job site.

West Amwell Interlocal Office
150 Rocktown-Lambertville Rd
Lambertville NJ 08530-3203
(609)397-2036



CERTIFICATE

1026 - WEST AMWELL TWP

Date Issued: 03/14/2018
Permit #: 17-00246
Certificate: 1700246.1

IDENTIFICATION

Block 33 Lot 15.03 Qualifier

Work Site Location

WEST AMWELL TWP, NJ 08530

Owner In Fee

Address

YOUN, KWAI LOK & JOSEPHINE

16 WILSON ROAD

LAMBERTVILLE, NJ 08530

Telephone

Contractor

Address

1 800 HEATERS INC

2 GOURMET LN, UNIT G

EDISON, NJ 08837

Telephone

Lic No/Bidrs Reg No.

(732) 970-8074 FAX (732) 417-0695

Fed. Emp. No. 204463685

Home Imprv. Reg No. / Exempt

Reason -

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of the inspection.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____ or will be

Home Warranty No.
Type of Warranty Plan [] State [] Private
Use Group ICC/R-5
Maximum Live Load
Construction Class
Max. Occupancy Load
Description of Work/Use
Replacement of Electric Water Heater

☒ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

[] Total removal of lead-based paint hazards in scope of work
[] Partial or limited time period (0 years); see file

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____

Fee \$0.00

Paid [\$0.00]

Collected by:

Christopher St. John
CONSTRUCTION OFFICIAL

PermitsNJ

Check No.

PNJF260 rev. (5/2013)

Printed On: 04/10/2018 11:34

Fee Enclosed

- ☐ New Design \$250.00
☒ Alteration \$225.00
☐ Redesign \$ 90.00 (Of previously approved design)
☐ Re-Review \$ 15.00 (After initial plan rejection)

Receipt #: _____

1st Re-Review Receipt # _____
 2nd Re-Review Receipt # _____

Municipality West Amwell Township Block 33 Lot 15.03

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
 Form 1 - General Information:

1. Name of Applicant (print): Lok Yoon
 2. Applicant's Present Address: 10619 Sleepy Plant Court, Cypress, TX 77433
 3. Applicant's Phone Number: Day: _____ Night: _____
 4. Applicant's Email Address: _____

BUILDING LOCATION MUST BE STAKED. DATE STAKED existing

5. Type of Permit Needed (Check applicable categories):
☐ a. New Construction
☐ c. Alteration / Expansion or Change in Use
☐ e. Repairs (in-kind replacement) / Malfunctioning System
☐ g. Deviation from Standards
☒ b. Alteration / No Expansion or Change of Use
☒ d. Alteration / Malfunctioning System
☐ f. Repairs (in-kind replacement) / Not Malfunctioning
☐ h. New System Installed (existing structure)

6. Location of Project: Street Address 16 Wilson Road Zip Code 08530

7. Type of Facility: ☒ Residential ☐ Commercial / Institutional Specify Type of Establishment: _____

8. Type of Wastes to be Discharged: ☒ Sanitary Sewage ☐ Industrial Wastes ☐ Other - Specify Type: _____

9. If d. or e. in 5. above are checked, indicate the type of malfunction and its cause (check all that apply)
☐ Contamination of nearby wells or surface water bodies by sanitary sewage or effluent
☐ Ponding or breakout of sanitary sewage or effluent on to the surface of the ground
☐ Seepage of sanitary sewage or effluent into portions of building below ground
☐ Back-up of sanitary sewage, which is not caused by a physical blockage of the internal plumbing
☐ Any manner of leakage observed from components that are not designed to emit sanitary sewage or effluent
☒ Direct discharges to ground water (no zone of treatment)

Describe the cause of the malfunction: saturated disposal field

10. Please expand on Question #5, above, by checking if any of the following apply:
☐ A privy, outhouse, latrine or pit toilet is present, a system must be installed
☒ A system must be upgraded as part of a real estate property transfer
☐ A cesspool has been identified during a real estate property transfer and a conforming system must be installed
☐ A malfunctioning cesspool has been identified and a conforming system must be installed

11. Other Approvals / Certification / Waivers / Exemptions(attach to application):

☐ US Army Corps of Engineers ☐ NJDEP - Bureau of Flood Plain Management ☐ Other - Specify: _____

12. I hereby certify that the information furnished on this application is true. I am aware that false swearing is a crime in this state and subject to prosecution

Signature of Applicant

Date

05/05/2026

NOTE: The applicant is responsible for obtaining all other required Federal, State or local approvals prior to the commencement of work under this approval, including but not limited to, NJDEP permits to conduct activities in freshwater wetlands, freshwater wetlands transition areas, or flood plain jurisdictions. Failure to obtain these permits prior to conducting regulated activities within these areas may result in removal of the system and or the assessment of significant civil penalties.

FOR HEALTH DEPARTMENT USE ONLY

____ Application Denied, see attached letter
 ____ Application Approved
 ____ Application Approved Subject to Approval of NJDEP
 ____ Date of Action Signature of Authorized Agent: _____

Name and Title

EXPIRATION DATE: _____

**HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2a General Site Evaluation Data**

Municipality West Amwell Township Block 33 Lot 15.03

1. Name of Site Evaluator (print): Mark B. Anderson & William M. Jupinka
2. Business Address of Site Evaluator: Bayer-Risse Engineering, Inc.
78 Route 173 West
Suite 6
Hampton, NJ 08827
3. Business Phone Number of Site Evaluator: (908) 735-2255
4. Special Site Limitations Identified (Check Appropriate Categories):

☐ Flood Plains	☐ Bedrock Outcrops	☐ Wetlands
☐ Excessively Stony	☐ Disturbed Ground	☐ Sink Holes
☐ Sand Dunes	☐ Steep Slopes	
☐ Other - Specify _____		
5. Soil Logs - Enter on Form 2b - Use one sheet for each soil log.
6. Considerations Relating to Disturbed Ground: ☒ N/A
 - a. Type of Disturbance (Check Appropriate Categories):

☐ Filled Area	☐ Excavated Area	☐ Re-graded Area	☐ Subsurface Drains
☐ Other - Specify: _____			
 - b. Existing 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
☐ Procter Test Performed - % Standard Procter Density = _____
7. Hydraulic Head Test: ☒ N/A
 - a. Hydraulically Restrictive Horizon: Depth Top to Bottom _____
 - b. Piezometer A: Depth to Bottom: _____
Depth of Water Level (24 hrs.): _____
 - c. Piezometer B: Depth to Bottom: _____
Depth of Water Level (24 hrs.): _____
 - d. Witnessed by: _____ Date: _____
Signature _____
8. Attachments (Check items included):

☒ Site Plan
☒ Key Map Showing Location of Site on USGS Quadrangle or Other Accurate Map
☒ Key Map Showing Location of Site on USDA 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. 7:14-9.
 Signature of Soil Evaluator Mark B. Anderson Date 04/29/2026
 Signature of Professional Engineer [Signature] Date 04/29/2026
 Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 807-1 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 08/07/2025

Depth (Inches) | Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse
 Top - Bottom | Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and
 Contrast, If Present

0-4" Topsoil with fine roots.
4-24" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 16" and below; no seepage.
24-60" Nonsoil; fractured shale with 40% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>60" Machine Refusal.

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:

☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:

☒ Fractured Rock Substratum - Depth to Top: 24"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 16"

5. Soil Suitability Classification: IIIWr (IIsc)

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Mark Brundson Date 04/29/2026

Signature of Professional Engineer [Signature] Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 807-2 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 08/07/2025

Depth (Inches)	Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and Contrast, If Present
0-4"	Topsoil with fine roots.
4-36"	7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 16" and below; no seepage.
36-72"	Nonsoil; fractured shale with 40% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>72"	Machine Refusal.

0-4" Topsoil with fine roots.
 4-36" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 16" and below; no seepage.
 36-72" Nonsoil; fractured shale with 40% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
 >72" Machine Refusal.

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:
☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:
☒ Fractured Rock Substratum - Depth to Top: 36"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 16"

5. Soil Suitability Classification: IIIWr (IIsc)

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Mark B. Anderson Date 04/29/2026

Signature of Professional Engineer [Signature] Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 807-3 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 08/07/2025

Depth (Inches) Top - Bottom	Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and Contrast, If Present
0-4"	Topsoil with fine roots.
4-28"	7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
28-60"	Nonsoil; fractured shale with 40% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>60"	Machine Refusal. Basin Flood test BF 807-3 performed at 48" (Negative)

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:

☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:

☐ Fractured Rock Substratum - Depth to Top: _____
☒ Massive Rock Substratum - Depth to Top: 28"
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 24"

5. Soil Suitability Classification: IIW_r, IIS_r

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator  Date 04/29/2026

Signature of Professional Engineer  Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 808-4 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 08/08/2025

Depth (Inches) Top - Bottom	Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and Contrast, If Present
0-4"	Topsoil with fine/medium roots.
4-36"	7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 12" and below; no seepage.
36-84"	Nonsoil; fractured shale with 20% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>84"	Machine Refusal.

0-4" Topsoil with fine/medium roots.
 4-36" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 12" and below; no seepage.
 36-84" Nonsoil; fractured shale with 20% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
 >84" Machine Refusal.

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:

☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:

☒ Fractured Rock Substratum - Depth to Top: 36"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 12"

5. Soil Suitability Classification: IIIWr (IIISc)

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Mark B. Anderson Date 04/29/2026

Signature of Professional Engineer [Signature] Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 331-1 (Primary) Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 03/31/2026

Depth (Inches) | Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse
 Top - Bottom | Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and
 Contrast, If Present

0-8" Topsoil with fine/medium roots.
 8-32" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; many, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
 32-86" Nonsoil; fractured shale with 20% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; slight seepage at 62".
 >86" Machine Refusal. Pit bail test PB 331-1 performed at 86" (24 hr. SWL = 55"; K = 1.8 in/hr)

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:

☒ Seepage - Indicate Depth: 62"

☒ Pit/Boring Flooded Depth after 24 hours = 55"

4. Soil Limiting Zones:

☒ Fractured Rock Substratum - Depth to Top: 32"

☐ Massive Rock Substratum - Depth to Top: _____

☐ Excessively Coarse Horizon - Depth Top to Bottom: _____

☐ Excessively Coarse Substratum - Depth to Top: _____

☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____

☐ Hydraulically Restrictive Substratum - Depth to Top: _____

☐ Perched Zone of Saturation - Depth Top to Bottom: _____

☒ Regional Zone of Saturation - Depth to Top: 24"

5. Soil Suitability Classification: IWR, IISc

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator _____

Date 04/29/2026

Signature of Professional Engineer _____

Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 331-2 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 03/31/2026

Depth (Inches) Top - Bottom	Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and Contrast, If Present
0-7"	Topsoil with fine/medium roots.
7-30"	7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; few, fine, faint mottling (7.5YR 8/1 White) at 21" and below; no seepage.
30-78"	Nonsoil; fractured shale with 10% fillings; no mottling; no seepage.
>78"	Machine Refusal.

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:

☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:

☒ Fractured Rock Substratum - Depth to Top: 30"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 21"

5. Soil Suitability Classification: IIWr (IISc)

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator  Date 04/29/2026

Signature of Professional Engineer  Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 331-3 Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 03/31/2026

Depth (Inches) | Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse
 Top - Bottom | Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and
 Contrast, If Present

0-9" Topsoil with fine/medium roots.
 9-31" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; few, fine, faint mottling (7.5YR 8/1 White) at 27" and below; no seepage.
 31-81" Nonsoil; fractured gravelly shale with 25% fillings; no mottling; no seepage.
 >81" Machine Refusal.

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:
☐ Seepage - Indicate Depth: _____
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:
☒ Fractured Rock Substratum - Depth to Top: 31"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 27"

5. Soil Suitability Classification: IIWt, IISc

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator  Date 04/29/2026

Signature of Professional Engineer  Date 04/29/2026
 Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 2b Soil Log and Interpretation

Municipality West Amwell Township Block 33 Lot 15.03

1. Log Number SL 331-4 (Primary) Method: ☒ Profile Pit ☐ Boring

2. Soil Log: Date Recorded: 03/31/2026

Depth (Inches) Top - Bottom	Munsell Color Name and Symbol; Estimated Textural Class; Estimated Volume % Coarse Fragment, If Present; Structure; Moist or Dry Consistence; Mottling Abundance, Size and Contrast, If Present
0-7"	Topsoil with fine/medium roots.
7-35"	7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; many, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
35-88"	Nonsoil; fractured shale with 25% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; slight seepage at 64".
>88"	Machine Refusal

0-7" Topsoil with fine/medium roots.

7-35" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; many, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.

35-88" Nonsoil; fractured shale with 25% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; slight seepage at 64".

>88" Machine Refusal

2a. If mottling give reason for mottling: Regional water table

3. Ground Water Observations:
☒ Seepage - Indicate Depth: 64"
☐ Pit/Boring Flooded Depth after _____ hours = _____

4. Soil Limiting Zones:
☒ Fractured Rock Substratum - Depth to Top: 35"
☐ Massive Rock Substratum - Depth to Top: _____
☐ Excessively Coarse Horizon - Depth Top to Bottom: _____
☐ Excessively Coarse Substratum - Depth to Top: _____
☐ Hydraulically Restrictive Horizon - Depth Top to Bottom: _____
☐ Hydraulically Restrictive Substratum - Depth to Top: _____
☐ Perched Zone of Saturation - Depth Top to Bottom: _____
☒ Regional Zone of Saturation - Depth to Top: 24"

5. Soil Suitability Classification: IWR, ISc

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator  Date 04/29/2026

Signature of Professional Engineer  Date 04/29/2026

Seal

N.J. License No. 33806

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 3a. Soil Permeability Data

Municipality West Amwell Township Block 33 Lot 15.03

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*
Basin Flood	BF 807-3		48"	Negative
Pit Bail	PB 331-1		86"	K = 1.8 in/hr

*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 of second filling, negative otherwise.

2. Design Permeability/Percolation Rate: Specify Test Number: PB 331-1

☐ Average of Test Replicates ☒ Single Replicate
☐ Slowest Replicate

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: _____
☐ Form 3d - Percolation Test Data - Number of Sheets: _____
☐ Form 3e - Piezometer Test Data - Number of Sheets: _____
☒ Form 3f - Pit Bailing Test Data - Number of Sheets: 2
☒ Form 3g - Basin Flooding Test Data - Number of Sheets: 1

5. I hereby certify that the information furnished on Form 3a of this application (and the attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator Mark B. Anderson Date 04/29/2026

Signature of Professional Engineer [Signature] Date 04/29/2026
Seal

N.J. License No. 33806

**HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 3g. Basin Flooding Test Data**

Municipality West Amwell Township Block 33 Lot 15.03

1. Test Number BF 807-3 Reference Soil Log: SL 807-3 Date Tested 08/07/2025

2. Depth of Pit, ft: 4

3. Area of Pit, ft²: 50

4. Description of Rock Substratum Within Test Zone:

Type of Rock: Shale
 Name of Formation: _____
 Average Fracture Spacing: 2-4"

Type of Fractures: (Check Appropriate Category): ☐ N/A

☐ Open (Wide), Clean - Width of Openings, mm = _____
☒ Open (Wide), Infilled with Fines - Width of Openings, mm = 1-2 mm
☐ Tight (Closed)

Orientation of Fractures: ☐ N/A

☒ Horizontal (Parallel to Pit Bottom) or Nearly So.
☒ Inclined.
☒ Vertical (Parallel to Sides of Pit) or Nearly So.

Hardness of Rock: ☐ N/A

☐ Rippable with Hand Tools.
☒ Not Rippable with Hand Tools, Rippable by Machine.
☐ Not Rippable by Machine, Explosives Required.

5. Time of First Basin Flooding: 1:25 PM on 08/07/2025
 Volume of Water Added, Gal.: 375

6. Result of First Basin Flooding:

☐ Basin Drained Within 24 hours - Indicate Time: _____
☒ Basin Not Drained Within 24 hours. 8:47 AM on 08/08/2025 - 310 gal +/- remaining (2" Drop Overnight)

7. Time of Second Basin Flooding: _____
 Volume of Water Added, Gal.: _____

8. Result of Second Basin Flooding:

☐ Basin Drained Within 24 hours - Indicate Time: _____
☐ Basin Not Drained Within 24 hours.

9. I hereby certify that the information furnished on Form 3g of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator Mark B. Anderson Date 04/29/2026

Signature of Professional Engineer [Signature] Date 04/29/2026

N.J. License No. 33806 Seal

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 3f. Pit-Bailing Test Data
(1 of 2)

ALL DATA MUST BE IN MEASUREMENT UNITS INDICATED (FEET OR INCHES). ONLY ONE PITBAIL TEST PER SHEET.

Municipality West Amwell Township Block 33 Lot 15.03

1. Test Number PB 331-1 Reference Soil Log #: SL 331-1 Date Tested: 03/31/2026

2. Using the reference level established, measure and record the following:

- Depth to Bottom of Pit, ft, $D_{pit} = 7.17$
- Depth to Water Level after 24 hr Stabilization Period, ft, $D_{water} = 4.58$
- Depth to Impermeable Stratum, ft, $D_{stratum} = 7.17$
 (If depth is unknown assume it to be 1.5 times D_{pit})
- Height of Water Level above Impermeable Stratum, ft, $H = 2.58$
 ($H = D_{stratum} - D_{water}$)
- Length of Time Interval, min., $T = \text{varies}$

3. Record the following data in the table below:

- Time in minutes, enter actual time interval for each measurement taken, t_n , minutes.
- Depth of Water Level Below Reference Level in inches, d_a
- Water Surface Dimensions in feet l & w

4. Calculate the following values and enter in the table below:

- Water Surface Area, ft^2 , A_a
- Water Level Rise, in, h_r (Subtract current value of d_a from previous value)
- Average Water Surface Area, ft^2 , A_{av} (take average of A_a and previous A_a)
- Average Height of Water Level Above Impermeable Stratum, ft, h
 (Take average of d_a and previous d_a , convert to ft., and subtract from $D_{stratum}$)
- Permeability, in/hr, K_n , (Calculate using formula):
 $K_a = (h_r / T) \times (A_{av} / (2.27 \times (H^2 - h^2))) \times 60 \text{ min/hr}$

Time (h:mm)	t_n (min)	d_n (in)	l (ft)	w (ft)	A_n (sf)	hrise (in)	A_{avg} (sf)	h (ft)	K_a (in/hr)
11:00 AM	0	85.50	0.17	0.17	0.03				
11:10 AM	10	82.50	1.67	2.00	3.33	3.00	1.68	0.17	2.0
11:35 AM	25	79.50	2.50	2.25	5.63	3.00	4.48	0.42	2.2
12:15 PM	40	76.00	3.17	2.50	7.92	3.50	6.77	0.69	2.5
1:15 PM	60	73.50	4.00	2.83	11.33	2.50	9.63	0.94	1.8

5. Record the Following Data:

- Final Depth of Pit, ft, $D_{pit} = 7.17$
- ☒ Check here if testing was stopped due to machine refusal or machine limitations.
{(See step 6 of Pitbail Test NJAC 7:9A-6.5(c))}
- Final Depth to Impermeable Stratum, ft, $D_{stratum} = 7.17$
(If no impermeable stratum is encountered, assume $D_{stratum} = D_{pit}$)
- Height of Standpipe Above Reference Level, ft, $h_{pipe} = N/A$
- Depth to Water Level after 24 hr Stabilization Period, ft, $D_{water} = 4.58$
(Take measurements from top of standpipe. Subtract h_{pipe})
(enter 0 if standpipe not used)
- Height of Static Water Level Above Impermeable Stratum, ft, $H = 2.58$
($H = D_{stratum} - D_{water}$)
- Average Height of Water Level Above Impermeable Stratum, ft, $h = 0.94$
- (Take average d_a from beginning and end of last time interval recorded in Section 4, convert to ft., and subtract from final $D_{stratum}$.)

6. Re-calculation of K using data from Section 5 above and from final time interval of Section 4:

$$K = (h_{rise} / t_{n,}) \times (A_{av} / (2.27 \times (H^2 - h^2))) \times 60 \text{ min/hr}$$
$$K = (2.5/60) \times (9.63 / (2.27 \times (2.58^2 - 0.94^2))) \times 60 \text{ min/hr}$$
$$K = 1.8 \text{ in/hr}$$

7. I hereby certify that the information furnished on Form 3e of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator

Signature of Professional Engineer

N.J. License No. 33806



Seal

Date 04/29/2026

Date 04/29/2026

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 4. General Design Data

Municipality West Amwell Township Block 33 Lot 15.03

I. Volume of Sanitary Sewage, gal. 650

- ☒ Residential: No. of Dwelling Units: 1 Total No. of Bedrooms: 4
☐ Expansion Attic (checked if yes)
☐ 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: _____

II. Alterations or Repairs:

- a. Reason for Alteration or Repair (Check appropriate categories):
☐ Expansion or Change in Use ☒ Upgrade Existing Facilities
☒ Correct Malfunctioning System ☐ Other - Specify: _____

Describe nature of alteration or repairs: install pressure distribution disposal system

III. System Components:

- a. Grease Trap Capacity, gal: _____ Show Calculation Used: _____
b. Ejector/grinder pump or garbage disposal
Existing Yes ☐ No ☒
Proposed Yes ☐ No ☒
Note: If marked yes, tank and field must be enlarged by 50%
c. Septic Tank Capacities, gal.: 1000 ☒ Single(First) Compartment: 667
☒ Second Compartment: 333 ☒ Third Compartment: _____
d. Effluent Distribution:
Method: ☐ Gravity Flow ☐ Gravity Dosing ☒ Pressure Dosing
Dosing Device: ☒ Pump ☐ Siphon
e. Dosing Tank Capacities, gal. Total Capacity, gal.: 1300 Dose Volume, gal.: 162.50
Reserve Capacity, gal.: 785.5
f. Laterals Number: 5 Total Length: 180'
Diameter: 1.25" Spacing: 3.75'
g. Connecting Pipe Diameter: 4" Length: 2'
h. Manifold Diameter: 3" Length: 15'
i. Disposal Field - Type of Installation: Mounded Soil Replacement
Design Permeability (Percolation Rate): 6-20 in/hr
Trenches - Width: _____ Total Length: _____ Bed - Area: 871.5 SF
j. Seepage Pits: Design Percolation Rate: _____ Number of Pits: _____
Total Percolating Area Provided: _____

IV. Attachments (Check items included):

- ☒ General Plan of System Showing Location of All System Components, No Larger Than 8 1/2 Inches x 14 1/2 inches, Unless Prior Approval Given.
☒ X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank, Disposal Field, Seepage Pits, and Interceptor Drains.
☒ Pump Performance Curve
☐ Other - Specify: _____

V. I hereby certify that the information furnished on Form 4 of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:148.

Signature of Professional Engineer
N.J. License No. 33806



Seal

Date 04/29/2026

HUNTERDON COUNTY HEALTH DEPARTMENT
APPLICATION FOR PERMIT TO ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM
Form 5. Design of Pressure or Gravity Dose System

Municipality West Amwell Township Block 33 Lot 15.03

I. Configuration of Distribution Network:

Type of Manifold: ☒ End ☐ Central
 Distribution Laterals: Number 5 Length, ft 36 Total Lateral Volume (V_l), gal. 11.5
 Hole Diameter, ins. 1/4 Hole Spacing, ins. 36
 Diameter of Laterals, ins. 1.25

II. Lateral Discharge Rate

Design Pressure Head at Distal End of Laterals, H_p , ft. 2.5
 Hole discharge rate, Q , gpm: 1.18
 Number of Holes per Lateral, n : 12
 Lateral Discharge Rate, ($Q \times n$), gpm: 14.16

III. Manifold Length, ft. 15 Manifold Diameter, ins. 3 Total Manifold Volume (V_m), gal. 5.5

IV. System Discharge Rate, gpm 70.80

V. Dose Volume:

Design Volume of Sewage, gal/day 650
 Design Permeability, in/hr 6-20 or Percolation Rate, min/in _____
 Total Volume of Delivery Pipe (V_p), gal.: 90
 Internal Volume of Distribution Network (V), ($V_p + V_m + V_l$), gal.: 107
 Dose Volume, gal.: 162.50
 Pump Tank Size (ft^3) 48.17

VI. a. Pump Selection:

Length of Delivery Pipe (ft) 245 Delivery Pipe Diameter (ins) 3 Volume (gal.) 90
 Friction Loss in Delivery Pipe, H_f , ft. 3.04
 Elevation of Dosing Tank Low Water Level 192.75
 Elevation of Lateral Invert: 204.00
 Elevation Head, H_e , ft 11.25
 Total Operating Head, H_t ($H_p + H_f + H_e$), ft. 16.79
 Pump Model Goulds 3886 WS07B Rated Horsepower 0.75
 Pump Discharge Rate at Total Operating Head, gpm 100 +/-
 Pump Displacement Volume, gal.: 7.5

b. Siphon Elevation:

Diameter of Delivery Pipe _____ Length of Delivery Pipe _____ Volume: _____
 Friction Loss in Delivery Pipe, H_f , ft. _____
 Velocity Head, H_v , ft. _____
 Total Operating Head, H_t ($H_p + H_f + H_v$): _____
 Elevation of Lateral Invert: _____
 Elevation of Siphon Invert: _____
 Internal horizontal area of dosing tank in (ft^2): _____

VII. I hereby certify that the information furnished on Form 5 of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Professional Engineer

N.J. License No. 33806



Seal

Date 04/29/2026

Septic System Alteration Design

for

Lok Yoon

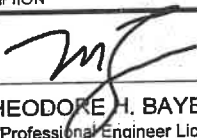
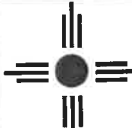
Block 33, Lot 15.03

West Amwell Twp., Hunterdon Co., NJ

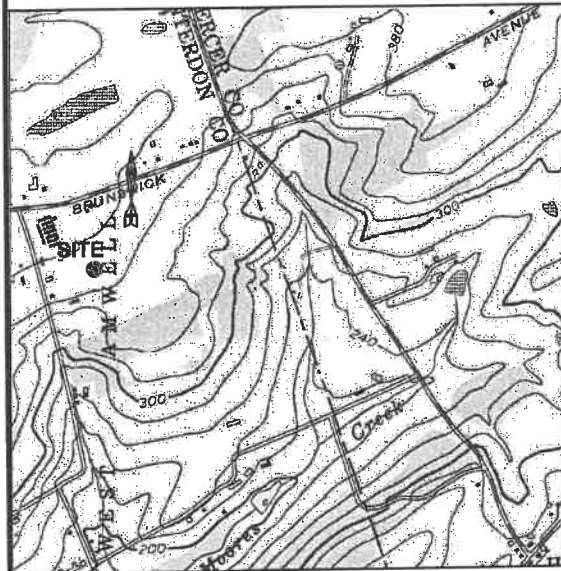
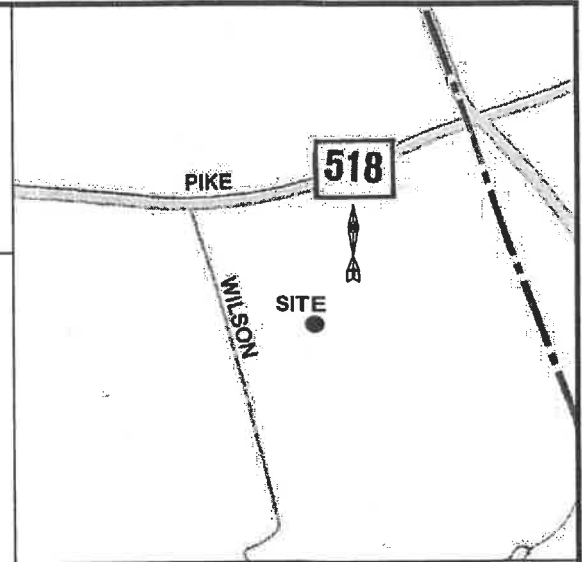
16 Wilson Road

April 29, 2026

SHEET INDEX	
Sheet #	Sheet Name
<i>LOK-1</i>	<i>Cover Sheet</i>
<i>LOK-2</i>	<i>Key Maps</i>
<i>LOK-3</i>	<i>Existing & Proposed Conditions</i>
<i>LOK-4</i>	<i>Disposal Field Details</i>
<i>LOK-5</i>	<i>Septic Tank Details</i>
<i>LOK-6</i>	<i>Pump Tank Details</i>
<i>LOK-7</i>	<i>Piping Details</i>
<i>LOK-8</i>	<i>Design Notes</i>
<i>LOK-9</i>	<i>General Notes</i>
<i>LOK-10</i>	<i>SESC Details</i>
<i>LOK-11</i>	<i>SESC Notes</i>

			DWG NO.	BRE JOB#:	DATE:	SHEET:
			LOK-1	25-2901	April 29, 2026	1 of 11
REVISION DESCRIPTION	DATE	APPROVED				
 THEODORE H. BAYER, P.E. New Jersey Professional Engineer License No. GE33806			 BAYER-RISSE ENGINEERING, INC. 78 ROUTE 173 WEST, SUITE 6 HAMPTON, NEW JERSEY 08827 PHONE 908-735-2255 FAX. 908-735-5838 Certificate of Authorization No. 24GA27943900			

SITE MAP
1:26,000



USGS PENNINGTON, NJ
QUADRANGLE
1:24,000

USDA HUNTERDON COUNTY
SOIL SURVEY
1:15,840

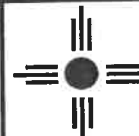


Septic System Alteration Design
Key Maps

Lok Yoon		Block 33, Lot 15.03		West Amwell Township, Hunterdon County, New Jersey			16 Wilson Road	
DRAWN BY:	DESIGNED BY:	CHECKED BY:	DWG NO.	BRE JOB#:	SCALE:	DATE:	SHEET:	
DA	DA	THB	LOK-2	25-2901	As Noted	April 29, 2026	2 of 11	

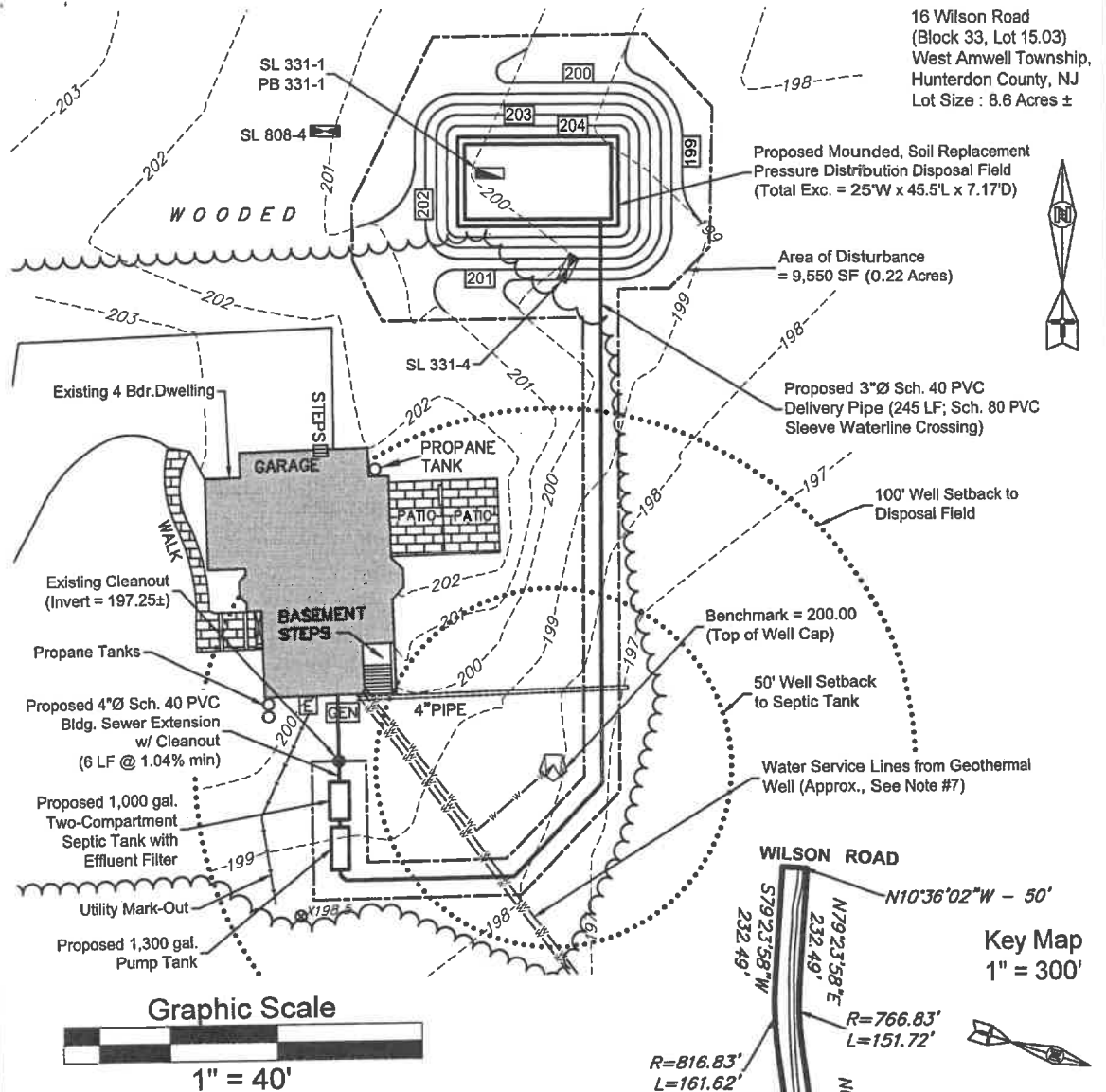
THEODORE H. BAYER, P.E.

New Jersey Professional Engineer License No. GE33806



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78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
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Certificate of Authorization No. 24GA27943900

16 Wilson Road
(Block 33, Lot 15.03)
West Amwell Township,
Hunterdon County, NJ
Lot Size : 8.6 Acres ±



NOTES:

- Based on field observations and in accordance with the NJDEP NJ-GeoWeb, there are no wetlands or wetlands transition areas within the location of the proposed disposal system.
- There are no disposal systems within 50' and no wells within 100' of the proposed disposal system.
- All work shall be performed in accordance with the requirements of the Hunterdon County Soil Conservation District's Soil Erosion & Sediment Control Policy regarding Septic System Installation and/or Alterations.
- Projected Area of Disturbance within Project Area = 9,550 SF (0.22 Acres).
- Contractor to verify location & invert of building sewer prior to setting tanks. Fernco connection to existing building sewer, if required, shall be encased in hydraulic cement.
- All trees within 10' of disposal field shall be removed.
- Water service lines approximate. Contractor shall verify location of water service lines prior to construction.

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design Existing & Proposed Conditions

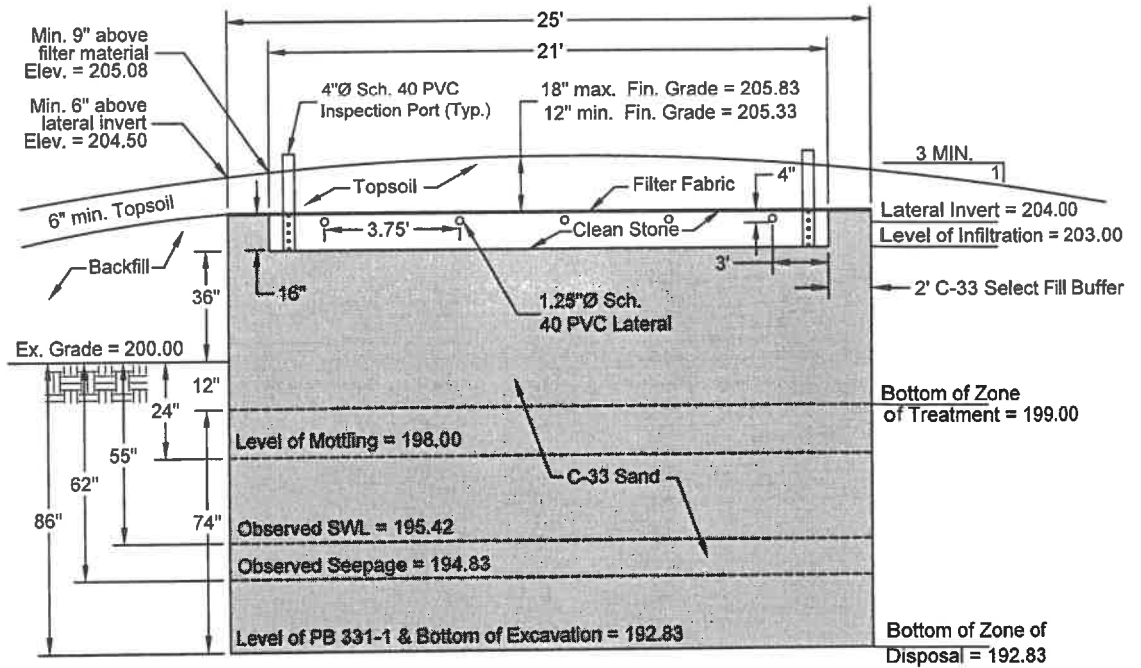
Lok Yoon Block 33, Lot 15.03 West Amwell Township, Hunterdon County, New Jersey 16 Wilson Road

DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-3	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 3 of 11
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New Jersey Professional Engineer License No. GE33806



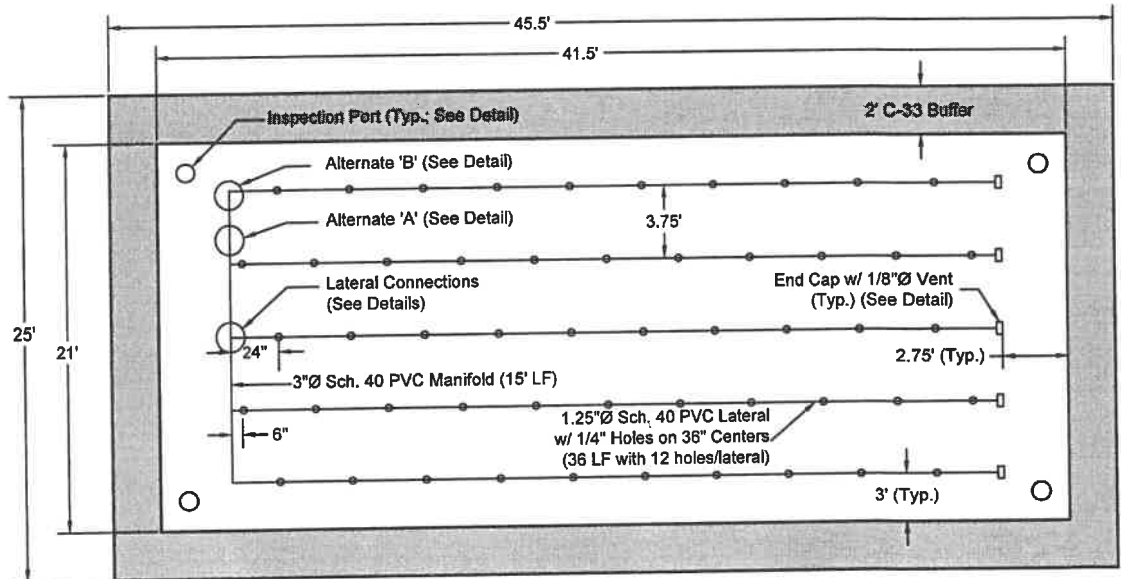
BAYER-RISSE ENGINEERING, INC.
78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
PHONE 908-735-2255 FAX: 908-735-5838
Certificate of Authorization No. 24GA27943900



*Filter Fabric shall be a non-woven geotextile product (See General Note #18).
**Clean filter stone shall be NJDOT #3, 4, or 24 (See General Note #22)

DISPOSAL FIELD SECTION VIEW

Not to Scale



Note: Laterals shall be installed approximately level. The maximum slope shall be 2 in. per 100 ft.

DISPOSAL FIELD PLAN VIEW

Not To Scale

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design Disposal Field Details

Lok Yoon Block 33, Lot 15.03 West Amwell Township, Hunterdon County, New Jersey 16 Wilson Road

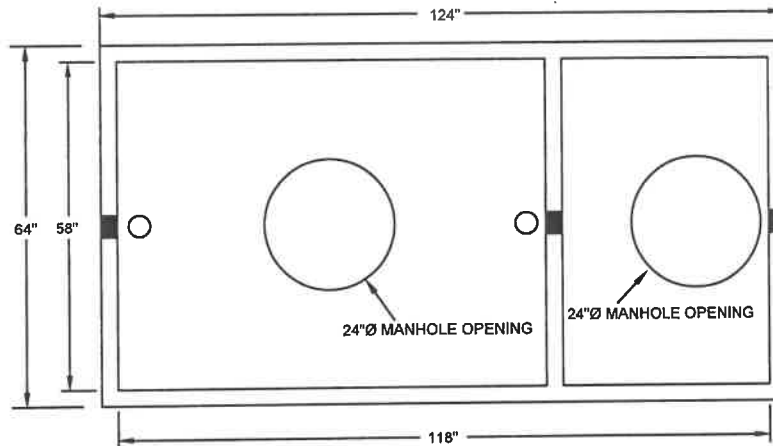
DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-4	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 4 of 11
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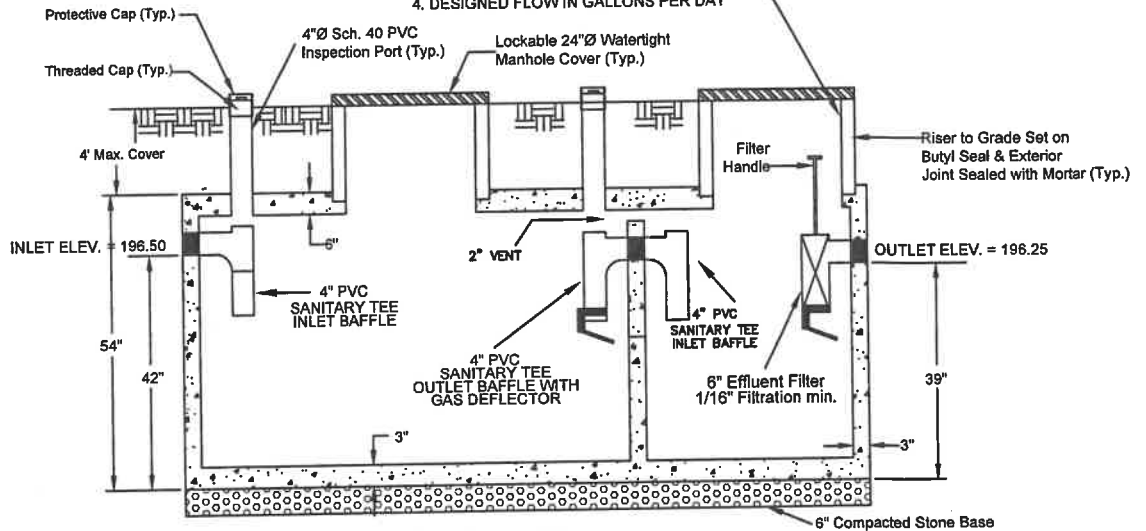
PER NJAC 7:9A-8.2(m)1: ALL TANKS, INCLUDING RISERS & INSPECTION PORTS TO THE HIGHEST JOINT, SHALL BE TESTED FOR WATER TIGHTNESS AFTER INSTALLATION & BEFORE BACKFILLING USING HYDROSTATIC OR VACUUM TEST. THE TEST SHALL BE PERFORMED BY THE TANK MANUFACTURER AND CERTIFIED BY THE ENGINEER.



PLAN VIEW

A PERMANENT, NON-CORROSIVE MARKER A MINIMUM OF 6 (SIX) SQUARE INCHES IN SIZE SHALL BE ATTACHED TO THE MANHOLE COVER OR RISER IMMEDIATELY BELOW THE COVER AND CONTAIN THE FOLLOWING INFORMATION:

1. ADMINISTRATIVE AUTHORITY NAME & PERMIT #;
2. DATE OF INSTALLATION;
3. TYPE OF SYSTEM;
4. DESIGNED FLOW IN GALLONS PER DAY



SECTION VIEW

NOTE: EFFLUENT FILTER REQUIRES REGULAR CLEANING. ROUTINE CLEANING SHALL BE PERFORMED DURING SEPTIC TANK PUMPING OR SHALL NOT EXCEED A 3 YEAR PERIOD. MORE FREQUENT CLEANING CYCLES MAY BE NECESSARY DEPENDING ON HOUSEHOLD HABITS/USE.

NJ 1,000 GALLON TWO-COMPARTMENT SEPTIC TANK

(Not to Scale)

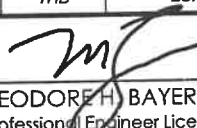
As Manufactured by M&W Precast & Construction Supply

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design Septic Tank Details

Lok Yoon Block 33, Lot 15.03 West Amwell Township, Hunterdon County, New Jersey 16 Wilson Road

DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-5	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 5 of 11
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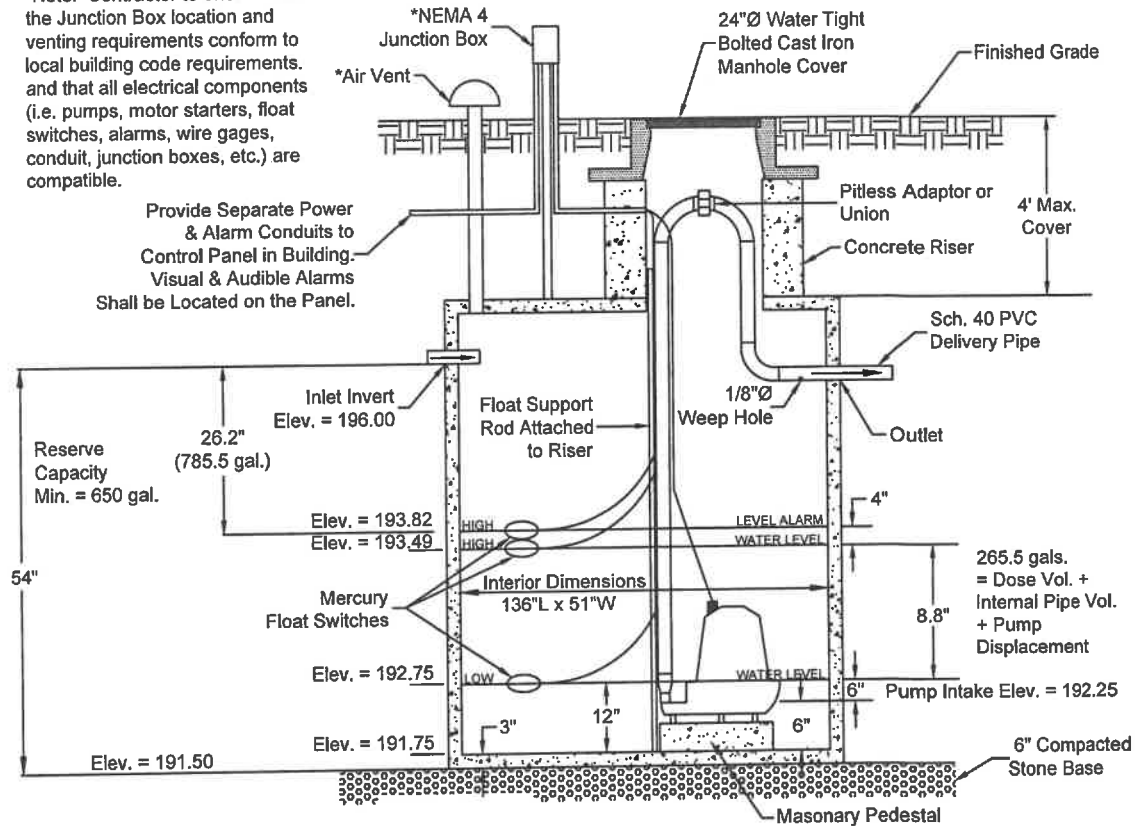

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New Jersey Professional Engineer License No. GE33806



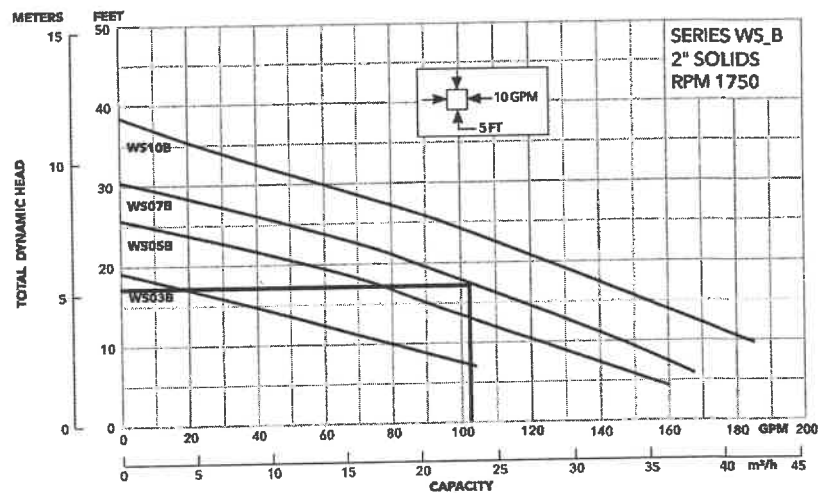
BAYER-RISSE ENGINEERING, INC.
78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
PHONE 908-735-2255 FAX. 908-735-5838
Certificate of Authorization No. 24GA27943900

PER NJAC 7:9A-8.2(m)1: ALL TANKS, INCLUDING RISERS & INSPECTION PORTS TO THE HIGHEST JOINT, SHALL BE TESTED FOR WATER TIGHTNESS AFTER INSTALLATION & BEFORE BACKFILLING USING HYDROSTATIC OR VACUUM TEST. THE TEST SHALL BE PERFORMED AND CERTIFIED BY THE TANK MANUFACTURER OR ENGINEER.

*Note: Contractor to ensure that the Junction Box location and venting requirements conform to local building code requirements, and that all electrical components (i.e. pumps, motor starters, float switches, alarms, wire gages, conduit, junction boxes, etc.) are compatible.



1,300 Gal. PUMP DOSING TANK
Not to Scale



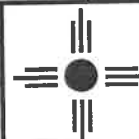
The pump shall be a Goulds Model 3886 WS07B (0.75 hp, 230 V, single phase) or approved equal. The pump shall be capable of delivering a minimum of 70.80 gpm against a total dynamic head of 16.79 feet.

REVISION DESCRIPTION	DATE	APPROVED

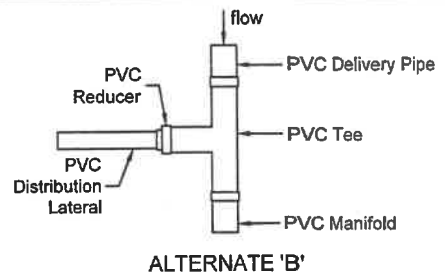
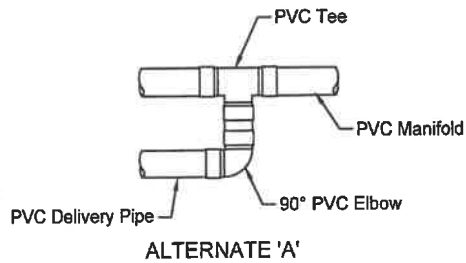
Septic System Alteration Design Pump Tank Details

Lok Yoon	Block 33, Lot 15.03	West Amwell Township, Hunterdon County, New Jersey	16 Wilson Road
DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-6
BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 6 of 11

THEODORE H. BAYER, P.E.
New Jersey Professional Engineer License No. GE33806



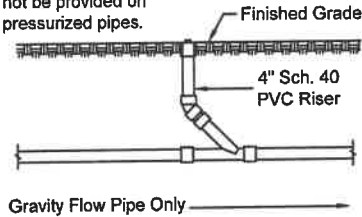
BAYER-RISSE ENGINEERING, INC.
78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
PHONE 908-735-2255 FAX. 908-735-5838
Certificate of Authorization No. 24GA27943900



DELIVERY PIPE TO MANIFOLD CONNECTION

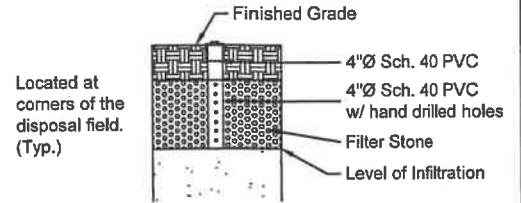
Not To Scale

NOTE: Cleanouts shall not be provided on pressurized pipes.



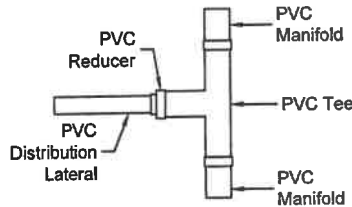
CLEAN OUT DETAIL

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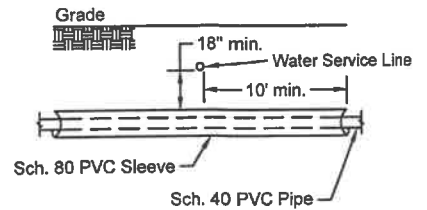
INSPECTION PORT DETAIL

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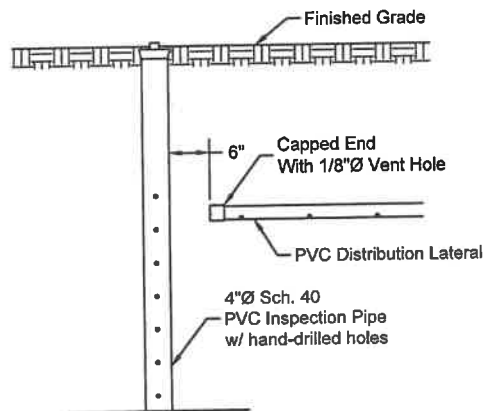
MANIFOLD TO LATERAL CONNECTION

Not to Scale



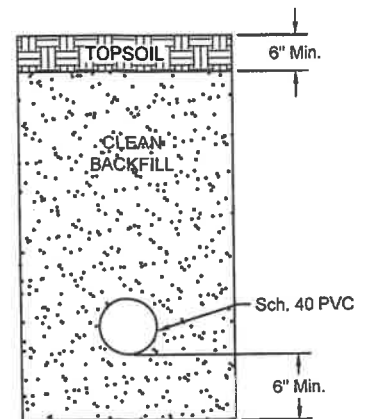
WATER LINE CROSSING

(Not to Scale)



DISTRIBUTION LATERAL DETAIL

Not To Scale



Note:

Clean Backfill shall be free of large stone and objectionable material. Clean Backfill shall be compacted in 12" max. lifts.

FORCE MAIN BEDDING DETAIL

Not To Scale

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design Piping Details

Lok Yoon	Block 33, Lot 15.03	West Amwell Township, Hunterdon County, New Jersey	16 Wilson Road
DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-7
BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 7 of 11

THEODORE H. BAYER, P.E.
New Jersey Professional Engineer License No. GE33806



BAYER-RISSE ENGINEERING, INC.
78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
PHONE 908-735-2255 FAX. 908-735-5838
Certificate of Authorization No. 24GA27943900

SOIL LOGS & DESIGN NOTES

1) SOIL LOGS

SL 807-1

August 7, 2025

0-4" Topsoil with fine roots.
4-24" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 18" and below; no seepage.
24-60" Nonsoil; fractured shale with 40% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>60" Machine Refusal.

SL 807-2

August 7, 2025

0-4" Topsoil with fine roots.
4-36" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 18" and below; no seepage.
36-72" Nonsoil; fractured shale with 40% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>72" Machine Refusal.

SL 807-3

August 7, 2025

0-4" Topsoil with fine roots.
4-28" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
28-60" Nonsoil; fractured shale with 40% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>60" Machine Refusal. Basin Flood test BF 807-3 performed at 48" (Negative)

SL 808-4

August 8, 2025

0-4" Topsoil with fine/medium roots.
4-36" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; common, medium, distinct mottling (7.5YR 8/1 White) at 12" and below; no seepage.
36-84" Nonsoil; fractured shale with 20% fillings; few, fine, faint mottling (7.5YR 8/1 White) throughout; no seepage.
>84" Machine Refusal.

SL 331-1 (Primary)

March 31, 2026

0-8" Topsoil with fine/medium roots.
8-32" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; many, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
32-86" Nonsoil; fractured shale with 20% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; slight seepage at 62".
>86" Machine Refusal. Pit ball test PB 331-1 performed at 86" (24 hr. SWL = 55"; K = 1.8 in/hr)

SL 331-2

March 31, 2026

0-7" Topsoil with fine/medium roots.
7-30" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; few, fine, faint mottling (7.5YR 8/1 White) at 21" and below; no seepage.
30-78" Nonsoil; fractured shale with 10% fillings; no mottling; no seepage.
>78" Machine Refusal.

SL 331-3

March 31, 2026

0-9" Topsoil with fine/medium roots.
9-31" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; few, fine, faint mottling (7.5YR 8/1 White) at 27" and below; no seepage.
31-81" Nonsoil; fractured gravelly shale with 25% fillings; no mottling; no seepage.
>81" Machine Refusal.

SL 331-4 (Primary)

March 31, 2026

0-7" Topsoil with fine/medium roots.
7-35" 7.5YR 6/6 Reddish Yellow silt loam; subangular blocky, friable; <10% gravel; many, medium, distinct mottling (7.5YR 8/1 White) at 24" and below; no seepage.
35-88" Nonsoil; fractured shale with 25% fillings; common, fine, faint mottling (7.5YR 8/1 White) throughout; slight seepage at 64".
>88" Machine Refusal.

2) PERMEABILITY TESTS

Test Number	Field	Related Soil Log	Depth	Result
BF 807-3		SL 807-3	48"	Negative
PB 331-1	Primary	SL 331-1	86"	K = 1.8 in/hr

3) DESIGN FLOW

- Existing 4 bedroom dwelling
- First bedroom @ 200 gpd; 3 additional bedroom @ 150 gpd / bedroom = 450 gpd;
- Total design flow = 650 gpd

4) DISPOSAL FIELD, SEPTIC TANK, AND DOSING TANK SIZING

- (a) The disposal field is a mounded, soil replacement pressure distribution disposal bed system. N.J.A.C. 7:9A 10.2(c) requires a minimum of 1.33 square feet per gallon per day for this type of system. The design permeability for this type of system is 6-20 in/hr.
- 650 gpd x 1.33 ft²/gpd = 864.5 ft² Use a 21 ft x 41.5 ft disposal bed = 871.5 ft² (25 ft x 45.5 ft with buffer)
- Use one 3" dia. Sch. 40 PVC and manifold system with five (5) 1.25" dia. Sch. 40 PVC laterals, 36' long on 3.75 ft centers (see detail). Laterals shall be hand drilled with 1/4" dia. holes on 3-ft centers. Holes shall be offset by 1.5 ft on adjacent laterals. All holes shall be hand reamed to remove burrs prior to assembly. The pump shall be a Goulds model 3886 WS07B (0.75 hp, 230 V, single phase) or approved equal; and shall be capable of delivering a minimum of 70.80 gpm at a total dynamic head of 16.79 ft.
- (b) The existing septic tank shall be pumped and abandoned in place unless otherwise directed by the administrative authority (crushed/demolished or filled with sand). A licensed hauler shall pump the existing tank. Receipt of septage removed shall be submitted to the local Health Department.
- (c) A 1,000 gallon, two-compartment concrete septic tank shall be provided and meet the requirements of N.J.A.C. 7:9A-8.2. The new septic tank shall be fit with inspection ports, septic solids retainer, effluent filter and risers flush with grade. (See Septic Tank Detail)
- (d) A 1,300 gallon concrete pump dosing tank with on/off float switches and high level alarm shall be provided and meet all the requirements of N.J.A.C. 7:9A-8.2 and 7:9A-8.2. (See Pump Dosing Tank Detail).
- (e) Inspection ports shall be placed in the disposal field and shall extend down to the level of infiltration.

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design Design Notes

Lok Yoon

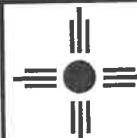
Block 33, Lot 15.03

West Amwell Township, Hunterdon County, New Jersey

16 Wilson Road

DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-8	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 8 of 11
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THEODORE H. BAYER, P.E.
New Jersey Professional Engineer License No. GE33806



BAYER-RISSE ENGINEERING, INC.
78 ROUTE 173 WEST, SUITE 6
HAMPTON, NEW JERSEY 08827
PHONE 908-735-2255 FAX. 908-735-5838
Certificate of Authorization No. 24GA27943900

GENERAL NOTES:

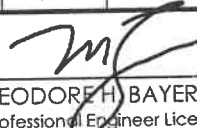
1. This Wastewater disposal system has been designed to be in conformance with the requirements of N.J.A.C. 7:9A, Standards for Individual Subsurface Sewage Disposal Systems, the Hunterdon County Health Department and the requirements of the West Amwell Township Board of Health. This plan is not a survey and is to be used for construction of the septic system only. It is not intended to be used as a plot plan for construction of any structures or proposed improvements.
2. Property line information has been obtained from an As-Built Survey prepared by Siteworks Consultants, Inc dated April 27, 2004 as provided by client/applicant. Topographic information has been obtained from a topographic survey prepared by Robert Ent, Jr., dated April 16, 2026.
3. All soil testing was conducted by Bayer-Risse Engineering, Inc. on August 7 & 8, 2025 and March 31, 2026 and witnessed by a representative of West Amwell Township.
4. The Engineer and the Health Department shall be notified 48 hours prior to construction so that all inspections may be scheduled. All phases of the construction shall be inspected and approved by the Engineer and Health Department prior to backfilling.
5. **Inspection Schedule**
 - Stake out and stockpiling of sand
 - Open ditch
 - Sand emplacement, compaction, and percolation rate
 - Stone & Lateral emplacement
 - Tanks and final grading
6. **Sand Specifications: C-33 Sand shall have:**
 - A coarse fragment content (greater than No. 8 sieve) less than 15% by volume or less than 20% by weight
 - A textural analysis (composition by weight of the size fraction passing the particular sieve as stated):
 - 80%-100% passing No. 8 sieve; 50%-85% passing No. 16 sieve; 25%-60% passing No. 30 sieve; 10%-30% passing No. 50 sieve; 2%-10% passing No. 100 sieve.
 - Permeability from 6 - 20 in./hr. (percolation rate 3-15 min./in.)
7. All sand shall be stockpiled on-site and tested by the Engineer prior to placement into the disposal area.
8. Sand shall be installed in twelve inch (12") maximum lifts and compacted in conformance with N.J.A.C. 7:9A-10.4f(3). After installation and compaction, percolation tests shall be conducted at the level of infiltration in accordance with the number and placement requirements shown in Appendix C of N.J.A.C. 7:9A.
9. No wheeled vehicles are to be driven over any part of the disposal area.
10. The Engineer will inspect the entire installation of the system and provide a Suitable Fill Certification and Record Drawings to the Health Department.
11. Prior to the disposal bed stake out by the Engineer and any construction activities by the installer, the installer shall have all underground utilities located by the responsible utility company(ies). CALL 1-800-272-1000 BEFORE YOU DIG.
12. Construction information is based on topography of plan. Elevations may be modified after final survey.
13. Disposal area shall be graded so that surface runoff is diverted away from the disposal area.
14. The Engineer and the Health Department shall review and approve any deviations or field changes from this design.
15. The installer shall be responsible for obtaining any and all of the required permits prior to construction.
16. After completion of backfilling and final grading, all disturbed areas shall be raked, seeded and mulched to establish a vegetative cover in a manner acceptable to the Administrative Authority.
17. The installer shall ensure that all materials used in the construction of the system are in accordance with N.J.A.C. 7:9A et seq. and meet the specifications of the design.
18. Filter fabric shall be a non-woven geotextile product (TerraTex SD or approved equal).
19. No trees are to remain within ten feet (10') of the disposal area.
20. Septic tank(s) shall be located a minimum of 10 ft and disposal areas shall be located a minimum of 25 ft from dwellings.
21. Septic tank(s) shall be located a minimum of fifty feet (50'), disposal area(s) shall be located a minimum of one hundred feet (100'), and building sewer(s) shall be located a minimum of twenty-five feet (25') from a well.
22. Crushed stone filter material shall be NJDOT number 3, 4, or 24 size stone and be free of fines, dust, ashes, or clay.
23. All septic disposal fields shall be constructed at least 25 feet from excavated cuts (drop) greater than 2 feet.
24. There are no off-site wells within 100 ft and no off-site disposal fields within 50 ft of the proposed disposal field.
25. Bayer-Risse Engineering, Inc. makes no representation as to the location and/or adequacy of the internal plumbing and electric service. The limits of this design are from the septic tank to the disposal area.
26. This septic design has been based on the soil conditions and site constraints evident at the time soil testing was performed. If subsurface conditions present at the time of construction vary significantly from those documented during soil testing the contractor shall immediately cease construction and notify the Engineer and the Health Department so that appropriate action may be taken.
27. Garbage disposal units and blackwater sewage ejectors shall not be permitted with this sewage disposal system.

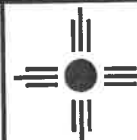
REVISION-DESCRIPTION	DATE	APPROVED

Septic System Alteration Design General Notes

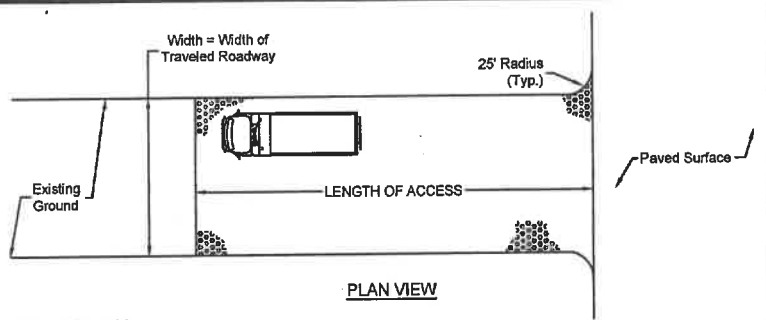
Lok Yoon Block 33, Lot 15.03 West Amwell Township, Hunterdon County, New Jersey 16 Wilson Road

DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-9	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 9 of 11
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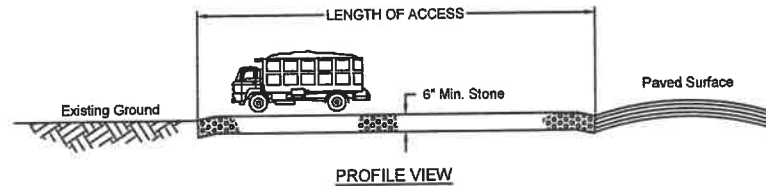

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LENGTH OF ACCESS
 0-2% Slope = 50 ft. Coarse Grained Soil; 100 ft. Fine Grained Soil
 2-5% Slope = 100 ft. Coarse Grained Soil; 200 ft. Fine Grained Soil.
 > 5% Slope = Entire Surface Stabilized with FABC Base Course

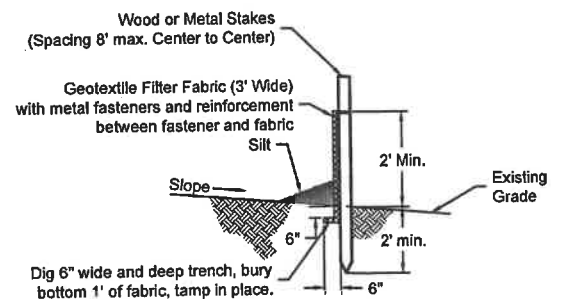
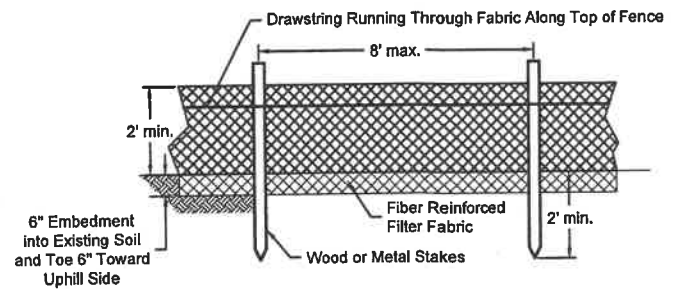


- NOTES:**
1. Stone is shall be 1.5" - 2".5 crushed angular stone, not round.
 2. Provide appropriate transition between stabilized construction entrance and public R.O.W.
 3. If poor drainage conditions exist, underlay filter fabric on existing grade before placing stone.

MAINTENANCE

1. Periodic addition of stone to thickness and length to prevent flow of sediment or tracking.
2. All sediment tracked onto the public R.O.W. must be removed at the end of each day.

STABILIZED CONSTRUCTION ENTRANCE
 Not To Scale



- NOTES:**
1. Stakes shall be spaced 8' center to center or closer, extended 2' above and below grade.
 2. Filter Fabric shall be buried at least 6" deep in the ground and extended at least 2 ft. above the ground.
 3. Filter Fabric shall have a draw string running through fabric along the top of the fence.

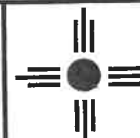
SILT FENCE DETAIL
 Not To Scale

REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design
SESC Details

Lok Yoon	Block 33, Lot 15.03	West Amwell Township, Hunterdon County, New Jersey	16 Wilson Road
DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-10
			BRE JOB#: 25-2901
			SCALE: As Noted
			DATE: April 29, 2026
			SHEET: 10 of 11

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AGRONOMIC SPECIFICATIONS FOR LAWNS AND SEPTIC SYSTEMS

- (1) All disturbed areas that are not being graded, not under active construction, or not scheduled to be permanently seeded within 30 days shall be temporarily stabilized as per specifications below.
- (2) All exposed areas which are to be permanently vegetated shall be seeded and mulched within 10 days of final grading.
- (3) Straw mulch (hay mulch may be substituted if approved by the District) is to be applied to all seeding at a rate of 1.5 to 2 tons per acre (approx. 100 to 130 bales per acre).
- (4) Mulch anchoring is required after mulching to minimize loss by wind or water. This shall be done using one of the methods (crimping, liquid mulch binders, nettings, etc.) in the "Standards for Soil Erosion and Sediment Control in New Jersey".
- (5) Existing weedy and poorly-vegetated areas with less than 80% perennial grass cover must receive permanent stabilization (as specified below).
- (6) All bags shall be saved for lime, fertilizer, seed, and liquid mulch binder (if used as mulch anchoring method). Such proofs shall be submitted to the district inspector for verification of materials and quantities used for all seeding.

SEED-BED PREPARATION FOR ALL SEEDINGS

- (1) **SUB-SOIL PREPARATION:** Immediately prior to seeding and topsoil application, the surface should be scarified to a depth of 6-12" where there has been soil compaction (e.g. areas of heavy construction traffic). This practice is to be applied to all compacted areas where there is no danger to underground utilities (cables, irrigation systems, etc.).
- (2) **TOPSOILING:** Areas to be seeded shall have a minimum of 5" of friable, loamy topsoil free of objectionable weeds, stones and debris.
- (3) **FINAL GRADING:** Grading shall be smooth of ruts and free of objectionable stones, depressions, vehicle tracks and rough edges. There shall be positive drainage away from all buildings and dwellings. Refuse from seedbed preparation (roots, sticks, stones, construction debris) must be disposed of properly.
- (4) **LIMING/FERTILIZING:** Apply limestone and fertilizer to soil test recommendations or as follows;
 - A. Lime shall applied at the rate of 2 tons (4,000 lbs) per acre. Lime may be any product type as long as the CCE Calcium Carbonate Equivalency = 2 tons/acre. Pelletized and liquid products may be preferred because of their lack of dust and ease of handling but must meet the fore-mentioned criteria.
 - B. Starter fertilizer, specified as 10-20-10, shall be applied at 500 lb. per acre.
 - C. Lime and fertilizer shall be worked into the soil to a depth of 4 inches.

TEMPORARY SEEDING

Temporary seeding shall be used on all disturbed areas where permanent stabilization will not be accomplished for a period up to 6 months.

Product	Rate	Recommended optimum seeding dates
Perennial Ryegrass	100 lbs. per acre	3/15 - 5/15 & 8/15 - 10/1
Spring Oats	86 lbs. per acre	3/15 - 6/1 & 8/1-10/1
Winter Cereal Rye	112 lbs. per acre	8/1 - 11/15
Winter Barley	96 lbs. per acre	8/15 - 10/1
Pearl Millet	20 lbs. per acre	5/15 - 8/15
German or Hungarian Millet	30 lbs. per acre	5/15 - 8/15

STABILIZATION WITH SOD

Stabilization with sod is permitted in areas where maintenance and irrigation are adequate to insure proper establishment and longevity. Seedbed preparation shall be consistent with any other stabilization requirements. (Lime and fertilizer bags are to be retained for district inspections). On slopes greater than 3:1, sod must be properly anchored to the slope in accordance with the NJ Standards for Soil Erosion and Sediment Control.

PERMANENT SEEDING

- (A) Seed shall be incorporated into the soil 1/4" - 1/2".
- (B) Lawn seedings shall be a mixture of bluegrasses, turf-type fescues, and turf-type perennial ryegrasses to insure longevity, tolerance, and durability. No seed shall be accepted with a germination test date of more than 12 months old unless retested.
- (C) Professional seed mixtures are recommended rather than mixing seed yourself.
- (D) Seed mixture (as specified below) shall be applied at a minimum rate of 200 lb. per acre of perennial seed.
- (E) Optimum seeding period for Hunterdon County is from March 1 to May 15 and August 15 to October 1. Outside of those periods, the seeding rates shall be increased by 50% (i.e.: 300 lb. per acre of perennial seed instead of the required 200 lb. per acre during optimum periods).
- (F) Seedings shall receive an application of fertilizer such as 10-10-10 or equivalent at 400 lb. per acre approximately 6 months after first application.

SEEDING MIXTURE FOR GENERAL SEEDING (Example: lawns)

40% turf-type tall fescue 10% creeping red fescue 10% chewing fescue 10% Kentucky bluegrass 30% turf-type perennial ryegrass
OR

60% Kentucky bluegrass 20% turf-type perennial ryegrass 20% chewing fescue

SEEDING MIXTURE FOR HIGH TRAFFIC & CRITICAL AREAS - (examples: athletic fields, waterways, diversions, etc.)

80% turf-type tall fescue 10% Kentucky, bluegrass 10% turf-type perennial ryegrass

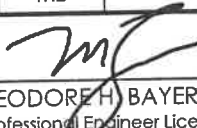
Other seed mixtures, such as blended varieties of perennial turf-type ryegrass, turf-type tall fescues, or bluegrasses may also be acceptable if approved by the District.

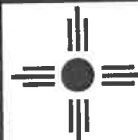
REVISION DESCRIPTION	DATE	APPROVED

Septic System Alteration Design SESC Notes

Lok Yoon Block 33, Lot 15.03 West Amwell Township, Hunterdon County, New Jersey 16 Wilson Road

DRAWN BY: DA	DESIGNED BY: DA	CHECKED BY: THB	DWG NO. LOK-11	BRE JOB#: 25-2901	SCALE: As Noted	DATE: April 29, 2026	SHEET: 11 of 11
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