1590 Canary Road, Quakertown, PA 18951 | 215-536-7006 | Fax: 215-538-6136

VW Consultants LLC

May 15, 2025

Luke E. Eggert, SEO
Hanover Engineering
252 Brodhead Road, Suite 100
Bethlehem, PA 18017-8944

RECEIVED ON
MAY 20 2025
SMITHFIELD TOWNSHIP
MONROE COUNTY, PA

Re: Component 2 Planning Module
The Estate of Nancy Michael Shukaitis—Minor Subdivision
6277 Franklin Hill Road, East Stroudsburg, PA 18301
Smithfield Township, Monroe County
Parcel Id: 16.7.2.23-1

Dear Mr. Eggert,

VW Consultants, LLC (VW) is in receipt of Hanover Engineering Review Letter dated December 19, 2025 for 6277 Franklin Hill Road. Each review comment has been outlined below with a response:

1. Section A – The project name used shall be consistent throughout the entire planning module including the submitted Plot Plan.

   Response: The planning module narrative and component 1 forms have been revised to indicate The Estate of Nancy Michael Shukaitis 6277 Franklin Hill Road.

2. Section C – Please include in the "Description of Site (Project)" that there are multiple residences located within the project site.

   Response: The Component 1 Section C form has been revised accordingly.

3. Section F – Please revise the project narrative to be clearer regarding Lot 2. You state that Lot 2 will contain a proposed home, yet it is intended to be sold by the current owner.

   Response: The narrative has been update. The lot will be sold at a later time by the property owner. That information is not pertinent to sewage facilities planning module. The necessary soil testing and planning for the lot is currently being pursued.

4. Section G.1 – Plot Plan

   - *Section G.1.a – Percolation test holes shall be numbered on the plan and shall correspond to the numbering recorded during field testing.*

     Response: The plan has been revised to show the percolation testing hole numbers.

   - *Section G.1.b – The slopes provided within the submitted plot plan are shown to be generalized using a range of percentages. Please provide exact slopes calculated using measurements gathered in the field.*

     Response: The plan has been revised accordingly.

   - *Section G.1.d – Please show a proposed driveway that is to service Lot 2.*

     Response: This is not a PADEP plan requirement, therefore the driveway will not be shown. A note has been added to the plan that the septic system area must be protected from site disturbance during construction.

- *Section G.1.e – It appears that the reserve septic area proposed on Lot 1 is within 10 feet of proposed property line running north of the existing gravel driveway on Lot 3. Please note that the perimeter of aggregate in any on-lot sewage disposal system requires a minimum of 10' isolation to all property lines, easements, or rights-of-ways.*

  Response: The plan has been revised to meet the 10ft isolation distance.

- *Section G.1.g – Please show existing wells East of Franklin Hill Road or provide a statement within the plot plan noting that there are no known wells located within 100' of all percolation testing conducted on-site.*

  Response: The plan has been revised accordingly.

- *Section G.1 (General) – It appears that a few text blocks overlap crucial information on Lots 2 and 3. Please revise the plot plan so that all pertinent information is visible and legible.*

  Response: The plan has been revised accordingly.

- *Section G.1 (General) – It appears that there is an unnamed structure southwest of Lot 2's primary septic area, please identify the structure.*

  Response: The plan has been revised accordingly.

5. Section G.3 – Soils Information

   a. Complete signed Site Investigation and Percolation Test Reports have been provided and shall be included in future submissions.

      Response: Will comply.

   b. It appears that on the 290A submitted for Test Pit #1, it shows that the second reading for hole #3 is 4.5". Field notes recorded during percolation test witnessing indicate that the reading should be 4.125" rather than 4.5". Please advise.

      Response: The Appendix A has been revised accordingly.

6. Section I – The Applicant or Consultant shall initial in the space provided.

   Response: This section only needs to be initialed if we are requesting DEP to run the PNDI for us. Since we supplied a completed PNDI, this is not needed.

7. Section J – This Section shall be completed by the Smithfield Township Planning Commission and Zoning Officer.
   Response: No response necessary.

GENERAL COMMENTS

8. The Plan should include a note indicating that the identified replacement absorption area locations are for future use in the event the primary on-lot system absorption areas fail, and that they must remain undisturbed.

   Response: The plan has been revised to include a note.

9. Across all proposed lots, it appears that the slopes found are greater than 8%. Please revise the outlined "Septic Areas" to represent the required 4:1 (Length:Width) ratio with required 3:1 berm slopes.
   Response: The plan has been revised accordingly.

10. The proposed grading and berm for the reserve Elevated Sand Mound (ESM) that is to service Lot 1 on 8-12% slopes shall be shown due to its close proximity of the proposed property line.

    Response: The plan has been revised accordingly.

11. Once all comments have been addressed, a minimum of five (5) copies of the complete Planning Module submission shall be submitted for review and processing.

If you should you have any questions, please do not hesitate to contact me at 215-651-1049 or at tbernard@vw-consultants.com

Thank you for your assistance,

Tara Bernard

VW Consultants, LLC
Tara Bernard

Enclosed:

1) Component 1 Form
2) Component 1 Checklist
3) Project Narrative
4) Site Investigation & Percolation Test Reports
5) Quad Map: East Stroudsburg
6) PNDI- 750438
7) Planning Module Plan

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

Completeness Checklist

The following items should be checked off by the applicant as each is completed. The municipality should confirm that the required items have been included within ten days of receipt and if complete, sign and date the checklist. Submissions not containing the following information will be considered incomplete.

- ☒ Complete Component 1
- ☐ Letter from public water supplier (if applicable)
- ☒ Plot plan and 7.5' topo map showing subdivision
- ☒ "Site Investigation and Percolation Test Report(s)" with results of ***ALL*** profile examinations and percolation tests (suitable and unsuitable)
- ☒ Signature of soils description preparer
- ☒ Signature of developer
- ☒ SEO signature
- ☒ PNDI "Project Planning & Environmental Review Form" (request DEP search) or "Project Environmental Review Receipt" (self completed search) and all appropriate documentation for the form submitted.
- ☒ Planning Agency Signature
- ☐ Zoning Officer Signature (if applicable)

_____
Signature of Municipal Official

_____
Date submittal determined complete

3800-FM-BPNPSM0350 2/2015
Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

Code No.

SEWAGE FACILITIES PLANNING MODULE

Component 1. Exception to the Requirement to Revise the Official Plan

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This planning module component is used to satisfy the sewage facilities planning requirements for subdivisions of 10 lots or less (*including residual lands*) intended as building sites for detached single family dwelling units served by individual onlot sewage disposal systems. The number of lots includes only those lots created after May 15, 1972. Refer to the instructions for help in completing this component.

NOTE: All soil testing must be field verified by the Sewage Enforcement Officer (SEO). The SEO must notify the approving agency verbally or in writing at least 10 days prior to testing. In some cases, a representative of the approving agency may wish to observe the soil testing.

REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see Section K and the attached instructions for more information on these fees.

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name 6277 Franklin Hill Road

2. Brief Project Description A proposed three-lot residential subdivision (1 existing lot, 2 proposed lots)

3. Total Number of Lots:

	Number of Lots Being Proposed		2
+	Residual Land Parcel/Lot	+	1
+	Number of Previous Lots Developed from Present Tract As it Appeared on May 15, 1972	+	0
	Total	=	3 *

* If total exceeds 10, do not use this form. Contact DEP for correct forms.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
Smithfield	Moroe	☐	☐	☒

Municipality Contact - Last Name	First Name	MI	Suffix	Title
Heilakka	Julia			Township Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Wolfe	Ken			Zoning Officer

Municipality Mailing Address Line 1	Mailing Address Line 2
1155 Red Fox Road	

Address Last Line -- City	State	ZIP+4
East Stroudsburg	PA	18301

Phone + Ext.	FAX (optional)	Email (optional)
(570) 223-5082	( )	julia@smithfieldtownship.com

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development Project) Name 6277 Franklin Hill Road

Site Location Line 1		Site Location Line 2		
6277 Franklin Hill Road				
Site Location Last Line -- City	**State**	**ZIP+4**	**Latitude**	**Longitude**
East Stroudsburg	PA	18301	41°01'07.5"N	75°08'48.9"W

Detailed Written Directions to Site
From 2 Public Square, Wilkes-Barre, PA 18701; Get on PA-309 S from Wilkes-Barre Blvd 6 min (2.2 mi); Continue on PA-309 S to Plains Township 2 min (1.7 mi); Get on I-80 E in Blakeslee 26 min (20.6 mi); Follow I-80 E to PA-447 N/US-209 N in Smithfield Township. Take exit 309 from I-80 E 24 min (25.7 mi); Follow US-209 N and Music Center Dr to Franklin Hill Rd 4 min (1.8 mi); and site is located 6277 Franklin Hill Rd, East Stroudsburg, PA 18301

Description of Site (Project)
Existing residence and barn with wooded areas.

Site Contact (Developer) -- Last Name	First Name	MI	Suffix	Phone	Ext.
Olenick (Shukaitis)	Alice			[redacted]	

Site Contact Title	Site Contact Firm (if none, leave blank)
Executor of the Estate of Nancy Shukaitis	
FAX ( )	Email [redacted]
Mailing Address Line 1 [redacted]	Mailing Address Line 2
Mailing Address Last Line -- City [redacted]	State [redacted] ZIP+4 [redacted]

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name	First Name	MI	Suffix
Bernard	Tara		

Title	Consulting Firm
Planning Specialist	VW Consultants, LLC.

Mailing Address Line 1	Mailing Address Line 2		
1590 Canary Road			
Address Last Line -- City	**State**	**ZIP+4**	**Country**
Quakertown	PA	18951	USA

Email	Phone	Ext.	FAX
tbernard@vw-consultants.com	(215) 536-7006		( )

E. AVAILABILITY OF DRINKING WATER SUPPLY

This project will be provided with drinking water from the following source: (Check appropriate box)

☒ Individual wells or cisterns.

☐ A proposed public water supply.

☐ An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: _____

F. PROJECT NARRATIVE (See Section F of instructions)

☒ A narrative has been prepared as described in Section F of the instructions.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. GENERAL SITE SUITABILITY (See Section G of instructions)

1. PLOT PLAN

Attach an original or copy of a 7½ minute USGS topographic map with the area of the proposed land development plotted and labeled. Attach a copy of the plot plan of the proposed subdivision showing the following information:

a. Location of all soils profiles and percolation tests.
b. Slope at each test area.
c. Soil types and boundaries.
d. Existing and proposed streets, roadways, access roads, etc.
e. Lot lines and lot sizes.
f. Existing and proposed rights-of-way.
g. Existing and proposed drinking water supplies for proposed and contiguous lots.
h. Existing buildings.
i. Surface waters.
j. Wetlands from National Wetland Inventory Mapping and USDA Hydric Soils Mapping.
k. Floodplain and floodways (Federal Flood Insurance Mapping).
l. Designated open space areas.
m. Remaining acreage under the same ownership and adjoining lots.
n. Existing onlot or sewerage systems; pipelines, transmission lines, etc.
o. Prime agricultural land.
p. Orientation to North.

2. RESIDUAL TRACT PLANNING WAIVER REQUEST

A waiver from sewage facilities planning ☐ is, ☒ is not requested for the residual land tract associated with this project. (See Section H, I and J and instructions for additional information).

3. SOILS INFORMATION

a. Attach copies of "Site Investigation and Percolation Test Report" (3800-FM-BPNPSM0290A) (formerly known as "Appendix A") form(s) for the proposed subdivision.
b. Marginal conditions for long-term onlot sewage disposal ☐ are, ☒ are not present. See marginal conditions information in Sections H and J and in attached instructions.
c. If one or more lots in this subdivision are planned to be served by Individual Residential Spray Irrigation Systems (IRSIS), please see the specific information on IRSIS in Section G of the instructions.

Both the soils description preparer and developer must sign below indicating acknowledgement of the false swearing statement.

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements are made subject to the penalties of 18 Pa. C.S.A. §4904 relating to unsworn falsification to authorities.

Joseph A Valentine	Alice Olenick
Soils Description Preparer Name (Print)	Developer Name (Print)
Signature	Signature
12/2/2024	12-2-2024
Date	Date

H. MUNICIPALITY'S CERTIFIED SEWAGE ENFORCEMENT OFFICER (See Section H of instructions)

1. I have confirmed the information relating to the general suitability for onlot sewage disposal contained in this component. Confirmation of this information was based upon on-site verification of soil tests, general site conditions and other generally available soils information. The proposed development site:
   - ☐ Is generally suitable for onlot disposal. This module does not constitute individual permit approval.
   - ☐ Is marginal for long-term onlot disposal. (See instructions for information on marginal conditions).
   - ☐ Is not generally suitable for onlot disposal. (See my attached comments regarding this determination).
   - ☐ Cannot be evaluated for general site suitability because of insufficient soils testing.
2. The proposed development site is considered "marginal for onlot disposal" or for long-term onlot system use because one or more of the following conditions exist. (Check all that apply).
   - ☐ Soils profile examinations which document areas of suitable soil intermixed with areas of unsuitable soils.
   - ☐ Site evaluation which documents soils generally suitable for elevated sand mounds with some potential lots with slopes over 12%.
   - ☐ Site evaluation which documents soils generally suitable for in-ground systems with some potential lots with slopes in excess of 20%.
   - ☐ Lot density of more than 1 residential dwelling/acre.
3. Residual Tract Facilities (For use only when there is an existing septic system on the residual tract)
   - ☐ I have inspected the lot on which the existing building and existing septic system is located and have concluded, based on soils mapping or soils evaluation, permit information or site inspection that the long-term sewage disposal needs of this site and the building currently served can be met.
   - ☐ I further acknowledge that no violations of the Sewage Facilities Act are known to me or have become apparent as a result of my site inspection. No inferences regarding future performance of the existing septic system should be drawn from this acknowledgement.
   - ☐ A brief description and sketch of the existing system and site is attached.

Signature of Certified Sewage Enforcement Officer with jurisdiction in municipality where development is proposed	Certification	Date

I. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES (See Section I of instructions)

Check one:

☒ The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.

☐ A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us , and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials _____

J. PLANNING AGENCY REVIEW (See Section J of instructions)

This planning module has been reviewed by the existing municipal planning agency and zoning officer and has been found to be ☒ consistent, ☐ inconsistent with municipal zoning ordinances or subdivision and land development ordinances. A waiver of the sewage facilities planning requirements for the residual tract of this subdivision ☐ has ☒ has not been requested. If requested, the proposed waiver ☐ is ☐ is not consistent with applicable ordinances administered by this agency.

Smithfield Township Municipal Planning Agency Name	Zoning Officer Signature
Planning Agency Signature (Authorized Official)	

☐ No municipal planning agency exists

☐ No municipal zoning ordinance exists

K. MUNICIPAL ACTION (See Section K of instructions)

The municipality must act within 60 days of receipt of a complete sewage facilities planning module package.

☒ This planning module has been reviewed by the municipal governing body and has been found to be **ACCEPTABLE**. Approval of this planning module does not constitute individual onlot system permit approval.

☐ This planning module is **NOT ACCEPTABLE** because:

Check appropriate reason(s)

- ☐ The subdivision does not comply with municipal zoning ordinances.
- ☐ The subdivision does not comply with municipal subdivision and land development ordinances.
- ☐ The subdivision is not suitable for the use of individual onlot subsurface absorption areas.
- ☐ The subdivision does not meet the requirements for use of this module or other provisions of Chapter 71 (Administration of Sewage Facilities Planning Program).
- ☐ Other (Explain) _____

☐ The proposed development has been identified in Section G and/or Section H as having marginal conditions or other concerns for the long-term use of onlot sewage systems. The municipality has selected the following method of providing long-term sewage disposal to this subdivision: (Check one)

- ☐ Provision of a sewage management program meeting the minimum requirements of Chapter 71, Section 71.73
- ☐ Replacement area testing
- ☐ Scheduled replacement with sewerage facilities
- ☐ Reduction of the density of onlot systems

The justification required in Section J of the instructions is attached.

☐ A waiver of the planning requirements for the residual tract of this subdivision has been requested.

The municipality acknowledges acceptance of this proposal and requests a waiver of the sewage facilities planning requirements for the residual tract designated on the subdivision plot plan. Our municipal officials accept full responsibility now and in the future to identify any violation of this waiver and to submit to the approving agency any required sewage facilities planning for the designated residual tract should a violation occur or construction of a new sewage-generating structure on the residual tract of the subdivision be proposed. We understand that such planning information may require municipal officials to be responsible for soil testing and other environmental assessments for the residual tract in the future.

_____ _____

Chairperson/Secretary of Governing Body | Signature | Date

Smithfield Township
Municipality Name

1155 Red Fox Road, East Stroudsburg, PA 18301
Address

(Area Code) Telephone No. (570) 223-5082

L. REVIEW FEE (See Section L of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

☐ I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand the Department's review of my project will not begin until DEP receives the correct review fee from me for the project.

☒ I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of $70 payable to ***"Commonwealth of Pennsylvania DEP"***. **Include DEP code number and/or project name on check.** I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order and send me an invoice for the correct amount. I understand the DEP review will **NOT** begin until I have submitted the correct fee.

☐ I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

Formula:

2 Lots X $35.00 = 70

Note: (1) To calculate the review fee for any project, use the number of lots created in the above formula.

(2) When using the number of lots, include only the number of lots being proposed when calculating the review fee. Do not include any "Residual Land Parcel/Lot".

Alice Olenick
Developer Name (Print)

Signature 12-2-2024 Date

COMPONENT 1 SEWAGE FACILITIES PLANNING MODULE

PROJECT NARRATIVE - REVISED 1/7/2025

The Estate of Nancy Michael Shukaitis—Minor Subdivision
6277 Franklin Hill Road
East Stroudsburg, PA 18301
Smithfield Township, Monroe County
Parcel Id: 16.7.2.23-1

1. The Property Owner is proposed 3-lot subdivision of 6277 Franklin Hill Road in Smithfield Township, Monroe County. The existing parcel contains two residential homes and an existing barn. One of the existing homes will remain on Lot No. 1 and currently serviced by a functioning on-lot sewage disposal system and well. Lot No. 3 contains the other existing home and barn which is also serviced by a functioning on-lot sewage disposal system and well.

   Lot No. 2 is the lot that will contain the proposed home. The property owner will be selling this lot in the future therefore no home is shown on this lot. A primary and reserve area has been tested for a 4-bedroom home.

   VW Consultants (VW) performed deep-hole test pits and percolation testing on the lots to delineate a replacement on-lot sewage disposal area for the existing homes and a primary and reserve for the proposed home. The testing was witnessed by the Township Sewage Enforcement Officer. Based on the soils observed on the property had seasonal high water table limiting zones (mottling/redox features) generally greater than 20 inches below the existing ground surface. Therefore, the proposed method of sewage disposal is conventional sand mounds.

   Runoff from the site and adjacent areas flow to Candle Creek which is classified as HQ-CWF in Chapter 93.

2. Per Title 25 of the PA Code, Chapter 73, the projected daily sewage flow for this 3-lot subdivision is 1,500 gallons per day. The existing house on Lot No.1 is a 5-bedroom home at 600 gpd, the existing house on Lot No. 3 is a 3-bedroom home at 400 gpd and the proposed dwelling will be four-bedrooms at 500 gallons per day. Therefore, the calculated EDUs for the project is 3.75.

3. Total gross site acreage is 17.58 acres. Lot 1 will contain an existing residence and will consist of 2.04 acres, and Lot 2 will consist of 2.14 acres, and Lot 3 will contain an existing residence and consist of 13.40 acres.

4. There is no acreage adjacent to this site under the same ownership. Residential properties border the project site and all utilize on-lot sewage disposal and individual wells. The surrounding properties do not have a high rate of on-lot system malfunctions.

PERC HOLES NOT IN SYSTEM AREA
RETESTED ON 3/20/25- SEE THAT APPENDIX A

RESERVE AREA LOT 2
SHEET 1 OF 2

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#2 The Estate of Nancy Michael Shukatis

☑ Suitable ☐ Unsuitable Soil Type Mardin Tax Slope 3-8% Limiting Zone 24"M Ave. Perc. Rate 8.20

☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 1 Description of Horizon
Ap 0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1 8 TO 24 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2 24 TO 28 "	10YR 4/4, Channery, Silt Loam, Moderate, Medium, Subangular Blocky, Friable Common distinct redox features
2CB 28 TO 36 "	10YR 4/4, Extremely Flaggy, Silt Loam, Structureless, Massive, Friable Common distinct redox features
____ TO ____ "	
____ TO ____ "	
____ TO ____ "	

Additional Pits
Pit #2 27"M

Depth to Limiting Zone: 24 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / GH Date: 11/6/24

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	H20 Left *** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	5.000	4.875	4.750	4.250	4.125	4.125	4.000	
2	X		XX / 30	3.875	3.625	3.500	3.000	3.000	2.875	2.750	
3	X		XX / 30	4.750	4.125	4.375	4.125	4.250			
4	X		XX / 30	5.250	5.125	5.125	5.000				
5	X		XX / 30	5.500	4.750	4.375	4.125	4.125	4.000	3.875	
6	X		XX / 30	3.250	3.125	3.250	3.000				

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	4.000 "	7.50	20 "
2	2.750 "	10.91	20 "
3	4.250 "	7.06	20 "
4	5.000 "	6.00	20 "
5	3.875 "	7.74	20 "
6	3.000 "	10.00	20 "

TOTAL OF MIN/IN. 49.21 = 8.20 Min / Inch

TOTAL No. OF HOLES 6

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-87

RESERVE AREA LOT 2
SHEET 1 OF 2

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#2 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Mardin Tax Slope 3-8% Limiting Zone 24"M Ave. Perc. Rate 8.56

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

	Inches	Pit# 1 Description of Horizon
Ap	0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 24 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	24 TO 28 "	10YR 4/4, Channery, Silt Loam, Moderate, Medium, Subangular Blocky, Friable Common distinct redox features
2CB	28 TO 36 "	10YR 4/4, Extremely Flaggy, Silt Loam, Structureless, Massive, Friable Common distinct redox features
	TO "	
	TO "	
	TO "	

Additional Pits
Pit #2 27"M

Depth to Limiting Zone: 24 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / GH & JC Date: 11/6/24 & 3/20/25

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	H20 Left *** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	5.000	4.875	4.750	4.250	4.125	4.125	4.000	
4	X		XX / 30	5.250	5.125	5.125	5.000				
5	X		XX / 30	5.500	4.750	4.375	4.125	4.125	4.000	3.875	
6	X		XX / 30	3.250	3.125	3.250	3.000				
A		X	10 / XX	3.500	3.500	3.500	3.375				
B	X		XX / 30	1.750	1.625	1.625	1.750				

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes. use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	4.000 "	7.50	20 "
4	5.000 "	6.00	20 "
5	3.875 "	7.74	20 "
6	3.000 "	10.00	20 "
A	3.375 "	2.96	20 "
B	1.750 "	17.14	20 "
TOTAL OF MIN/IN.		51.35 =	8.56 Min
TOTAL No. OF HOLES		6	Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____
Sewage Enforcement Officer

RESERVE AREA LOT 2

SHEET 2 OF 2

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#2 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Mardin Tax Slope 3-8% Limiting Zone 27"M Ave. Perc. Rate 8.56

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 2	Description of Horizon
Ap	0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 18 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 27 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
2CB	27 TO 36 "	10YR 4/4, Extremely Channery, Silt Loam, Structureless, Massive, Friable Common distinct redox features
	TO "	
	TO "	
	TO "	

Depth to Limiting Zone: 27 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW CONSULTANTS LLC / GH Date: 11/6/24 & 3/20/25

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
	SEE		10 / 30	SHEET	1	OF	2				
			10 / 30								
			10 / 30								
			10 / 30								

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
SEE	SHEET " 1	OF 2	"
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

PRIMARY SEPTIC AREA LOT 2

SHEET 1 OF 2

ER-BWQ-298 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#2 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Mardin Tax Slope 3-8% Limiting Zone 24"M Ave. Perc. Rate 10.71

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 3 Description of Horizon
Ap 0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1 8 TO 16 "	10YR 4/4, Channery, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2 16 TO 24 "	10YR 4/4, Very Channery, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
2CB 24 TO 36 "	10YR 4/4, Extremely Flaggy, Silt Loam, Structureless, Massive, Friable Common distinct redox features
___ TO ___ "	
___ TO ___ "	
___ TO ___ "	

Additional Pits

Pit #4 27"M

Depth to Limiting Zone: 24 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / GH Date: 11/6/24

Weather Conditions: ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	2.500	2.250	2.250	2.250				
2	X		XX / 30	2.750	2.500	2.375	2.250	2.250			
3	X		XX / 30	3.625	3.500	3.500	3.250	3.250			
4	X		XX / 30	4.625	4.500	4.500	4.125	4.125	4.000	3.875	
5	X		XX / 30	4.750	4.625	4.500	4.000	3.875	3.875	3.750	
6	X		XX / 30	3.000	2.625	2.625	2.375	2.375			

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	2.250 "	13.33	20 "
2	2.250 "	13.33	20 "
3	3.250 "	9.23	20 "
4	3.875 "	7.74	20 "
5	3.750 "	8.00	20 "
6	2.375 "	12.63	20 "
TOTAL OF MIN/IN.		64.27 =	10.71 Min
TOTAL No. OF HOLES		6	Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

PRIMARY SEPTIC AREA LOT 2

SHEET 2 OF 2

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#2 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Mardin Tax Slope 3-8% Limiting Zone 27"M Ave. Perc. Rate 10.71

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 4	Description of Horizon
Ap	0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 18 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 27 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw3	27 TO 38 "	10YR 4/4, Cobbly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable Common distinct redox features
	TO "	
	TO "	
	TO "	

Depth to Limiting Zone: 27 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW CONSULTANTS LLC / GH Date: 11/6/24

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

SEE SHEET 1 OF 2

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
SEE SHEET 1 OF 2			
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

ER BWQ-298 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Mardin Tax Slope 8-15% Limiting Zone 23"M Ave. Perc. Rate _____

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 5 Description of Horizon
Ap 0 TO 8 "	10YR 3/4, Gravelly, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1 8 TO 17 "	10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2 17 TO 23 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Coarse, Subangular Blocky, Friable
Bw3 23 TO 33 "	10YR 4/4, Channery, Silt Loam, Structureless, Massive, Friable Common distinct redox features
2Cr 33 TO 40 "	Fractured Shale Bedrock
___ TO ___ "	
___ TO ___ "	

Additional Pits
Pit #6 32"M

Depth to Limiting Zone: 23 Inches

PERCOLATION TEST:

Percolation Test Completed by: N/A Date: N/A

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: inches of drop	Reading No. 8 Inches of drop
			10 / 30								
			10 / 30								
			~~10 / 30~~ NOT CONDUCTED								
			10 / 30								
			10 / 30								
			10 / 30								

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
	"	N/A	"
	"		"
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department

(S) _____
Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Mardin Tax Slope 8-15% Limiting Zone 32"M Ave. Perc. Rate N/A

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 6	Description of Horizon
Ap	0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 18 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 32 "	10YR 4/4, Cobbly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
Bw3	32 TO 40 "	10YR 4/4, Cobbly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable Common distinct redox features
	TO "	
	TO "	
	TO "	

Depth to Limiting Zone: 32 Inches

PERCOLATION TEST:

Percolation Test Completed by: N/A Date: N/A

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30	NOT CONDUCTED							
			10 / 30								
			10 / 30								
			10 / 30								

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
~~_____~~	_____ "	_____	_____ "
_____	_____ "	_____	_____ "
_____	_____ "	N/A	_____ "
_____	_____ "	_____	_____ "
_____	_____ "	_____	_____ "
_____	_____ "	_____	_____ "

TOTAL OF MIN/IN. _____ = _____ Min

TOTAL No. OF HOLES _____ Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

LOT 1 RESERVE SEPTIC AREA

SHEET 1 OF 2

ER-BWO-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Mardin Tax Slope 3-8% Limiting Zone 25"M Ave. Perc. Rate 11.54

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 7 Description of Horizon
Ap 0 TO 8 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1 8 TO 16 "	10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2 16 TO 25 "	10YR 4/4, Cobbly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
2CB 25 TO 40 "	10YR 4/4, Extremely Channery, Silt Loam, Structureless, Massive, Friable Common distinct redox features
___ TO ___ "	
___ TO ___ "	
___ TO ___ "	

Additional Pits
Pit #8 37"M

Depth to Limiting Zone: 25 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / GH Date: 11/8/24

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No	H20 Left *** Yes	H20 Left *** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5 Inches of drop	Reading No. 6 Inches of drop	Reading No. 7 Inches of drop	Reading No. 8 Inches of drop
1	X		XX / 30	5.125	4.625	4.500	4.375	4.375			
2	X		XX / 30	4.875	4.500	4.250	4.000	4.125	4.000		
3	X		XX / 30	1.625	1.500	1.375	1.250	1.250			
4	X		XX / 30	3.375	3.250	2.875	2.750	2.750	2.625		
5	X		XX / 30	4.250	3.750	3.625	3.500	3.500			
6	X		XX / 30	3.000	2.875	2.750	2.750				

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval

Calculation of Average Percolation Rate:

Hole No	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	4.375 "	6.86	20 "
2	4.000 "	7.50	20 "
3	1.250 "	24.00	20 "
4	2.625 "	11.43	20 "
5	3.500 "	8.57	20 "
6	2.750 "	10.91	20 "
TOTAL OF MIN/IN.		69.27 =	11.54 Min
TOTAL No. OF HOLES		6	Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department

(S) _____
Sewage Enforcement Officer

LOT 1 RESERVE SEPTIC AREA

SHEET 2 OF 2

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Mardin Tax Slope 3-8% Limiting Zone 37"M Ave. Perc. Rate 11.54

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

	Inches	Pit# 8	Description of Horizon
Ap	0 TO 8 "		10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 16 "		10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	16 TO 37 "		10YR 4/4, Cobbly, Silt Loam, Moderate, Coarse, Subangular Blocky, Friable
Bw3	37 TO 44 "		10YR 4/4, Cobbly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable Common distinct redox features
	TO "		
	TO "		
	TO "		

Depth to Limiting Zone: 37 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW CONSULTANTS LLC / GH Date: 11/8/24

Weather Conditions: ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	H20 Left *** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

SEE SHEET 1 OF 2

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
	"		"
SEE	SHEET " 1	OF	2 "
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min

TOTAL No. OF HOLES _____ Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

RESERVE SEPTIC AREA LOT 3
SHEET 1 OF 2

ER-BWQ-260 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#3 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Comly Tax Slope 3-8% Limiting Zone 23"M Ave. Perc. Rate 11.49

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

Inches	Pit# 9 Description of Horizon
Ap 0 TO 10 "	10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1 10 TO 23 "	10YR 4/4, Very Channery, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
Bw2 23 TO 25 "	10YR 4/4, Extremely Channery, Silt Loam, Structureless, Massive, Friable Common distinct redox features
Cr 25 TO 40 "	Channers with Voids
___ TO ___ "	
___ TO ___ "	
___ TO ___ "	

Additional Pits
Pit #10 27"M

Depth to Limiting Zone: 23 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / GH Date: 11/8/24

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	3.375	2.625	2.875	2.750	2.625			
2	X		XX / 30	4.000	4.000	4.000	4.000				
3	X		XX / 30	2.250	2.250	2.000	2.000				
4	X		XX / 30	3.875	4.000	3.750	3.750				
5	X		XX / 30	2.750	2.625	2.500	2.500				
6	X		XX / 30	2.250	2.000	2.125	2.000				

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	2.625 "	11.43	17 "
2	4.000 "	7.50	17 "
3	2.000 "	15.00	17 "
4	3.750 "	8.00	17 "
5	2.500 "	12.00	17 "
6	2.000 "	15.00	17 "
TOTAL OF MIN/IN.		68.93 =	11.49 Min
TOTAL No. OF HOLES		6	Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____
Sewage Enforcement Officer

RESERVE SEPTIC AREA LOT 3
SHEET 2 OF 2

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#3 The Estate of Nancy Michael Shukatis

☑ Suitable

Soil Type Comly Tax Slope 3-8% Limiting Zone 27"M Ave. Perc. Rate 11.49

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 10/28/24

	Inches	Pit# 10	Description of Horizon
Ap	0 TO 8 "		10YR 3/4, Channery, Silt Loam, Moderate, Medium, Granular, Very Friable
Bw1	8 TO 18 "		10YR 4/4, Channery, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 27 "		10YR 4/4, Very Channery, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
C	27 TO 28 "		10YR 4/4, Very Channery, Silt Loam, Structureless, Massive, Friable Common distinct redox features
R	28+ TO ___ "		Massive Shale Bedrock
	___ TO ___ "		
	___ TO ___ "		

Depth to Limiting Zone: 27 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW CONSULTANTS LLC / GH Date: 11/8/24

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

SEE SHEET 1 OF 2

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
	"		"
SEE SHEET 1 OF 2	"		"
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Swartswood Slope 8-12% Limiting Zone 48"+ Ave. Perc. Rate _____

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 3/7/25

	Inches	Pit# 101 Description of Horizon
A	0 TO 3 "	10YR 2/2, Gravelly, Silt Loam, Weak, Fine, Granular, Very Friable
Ap	3 TO 9 "	10YR 3/3, Gravelly, Silt Loam, Weak, Fine, Subangular Blocky, Very Friable
Bw1	9 TO 18 "	10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 30 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Coarse, Subangular Blocky, Friable
2C	30 TO 48 "	7.5YR 4/4, Extremely Channery, Silt Loam, Structureless, Massive, Friable to Firm
	TO "	
	TO "	

Depth to Limiting Zone: 48+ Inches

PERCOLATION TEST:

Percolation Test Completed by: _____ Date: _____

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
	"		"
	"		"
	"		"
	"		"
	"		"

TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road (109 Hidden Valley Road) Subd'n Name Lot#1 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Swartswood Slope 8-12% Limiting Zone 36"+ Ave. Perc. Rate 11.53

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 3/7/25

	Inches	Pit# 102 Description of Horizon
A	0 TO 3 "	10YR 2/2, Gravelly, Silt Loam, Weak, Fine, Granular, Very Friable
Ap	3 TO 10 "	10YR 3/3, Gravelly, Silt Loam, Weak, Fine, Subangular Blocky, Very Friable
Bw1	10 TO 18 "	10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 32 "	10YR 4/4, Cobbly, Silt Loam, Moderate, Coarse, Subangular Blocky, Friable
2C	32 TO 36 "	7.5YR 4/4, Extremely Channery, Silt Loam, Structureless, Massive, Friable to Firm
	TO "	
	TO "	

Additional Pits
Pit #101 48"+

Depth to Limiting Zone:
36+ Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / JC Date: 3/20/25

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	3.500	3.250	3.250	3.500				
2	X		XX / 30	5.250	5.375	5.375	5.375				
3	X		XX / 30	2.125	2.000	2.000	2.000				
4	X		XX / 30	3.000	3.000	2.875	2.750				
5	X		XX / 30	2.000	4.000	2.125	2.500	2.125	2.625	2.000	2.000
6	X		XX / 30	2.375	2.250	2.125	2.000	2.125			

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	3.500 "	8.57	20 "
2	5.375 "	5.58	20 "
3	2.000 "	15.00	20 "
4	2.750 "	10.91	20 "
5	2.000 "	15.00	20 "
6	2.125 "	14.12	20 "

TOTAL OF MIN/IN. 69.18 = 11.53 Min

TOTAL No. OF HOLES 6 Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____
Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#3 The Estate of Nancy Michael Shukatis

☑ Suitable Soil Type Oquaga Ta: Slope 8-12% Limiting Zone 21" GW Ave. Perc. Rate 13.09

☐ Unsuitable ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 3/7/25

	Inches	Pit# 103 Description of Horizon
A	0 TO 3 "	10YR 2/2, Gravelly, Silt Loam, Weak, Fine, Granular, Very Friable
Ap	3 TO 10 "	10YR 3/3, Gravelly, Silt Loam, Weak, Fine, Subangular Blocky, Friable
Bw1	10 TO 16 "	10YR 4/4, Gravelly, Silt Loam, Weak, Fine, Subangular Blocky, Friable
Bw2	16 TO 21 "	10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
W	21 TO 24 "	Groundwater
2R	24+ TO ___ "	Massive Shale Bedrock
	___ TO ___ "	

Additional Pits
Pit #104 25"GW

Depth to Limiting Zone: 21 Inches

PERCOLATION TEST:

Percolation Test Completed by: VW Consultants LLC / JC Date: 3/20/25

Weather Conditions : ☐ Below 40 F ☑ 40 F or Above ☑ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☑ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	X		XX / 30	5.000	4.875	4.750	4.750				
2	X		XX / 30	2.625	2.500	2.500	2.500				
3	X		XX / 30	1.875	1.875	1.750	1.750				
4	X		XX / 30	2.250	2.125	2.000	2.000				
5	X		XX / 30	2.000	1.875	1.625	1.625	1.625			
6	X		XX / 30	3.375	3.250	3.250	3.125				

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	4.750 "	6.32	20 "
2	2.500 "	12.00	20 "
3	1.750 "	17.14	20 "
4	2.000 "	15.00	20 "
5	1.625 "	18.46	20 "
6	3.125 "	9.60	20 "
TOTAL OF MIN/IN.		78.52 =	13.09 Min
TOTAL No. OF HOLES		6	Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer

ER-BWQ-290 Appendix A
Revised 5-97

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Smithfield Township County Monroe

Site Location 6277 Franklin Hill Road Subd'n Name Lot#3 The Estate of Nancy Michael Shukatis

☑ Suitable ☐ Unsuitable Soil Type Oquaga Ta: Slope 8-12% Limiting Zone 25" GW Ave. Perc. Rate _____

☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments ☐ Perc. Rate

☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION:

Soils Description Complete by: VW Consultants LLC / JAV Date: 3/7/25

	Inches	Pit# 104	Description of Horizon
A	0 TO 3 "		10YR 2/2, Gravelly, Silt Loam, Weak, Fine, Granular, Very Friable
Ap	3 TO 10 "		10YR 3/3, Gravelly, Silt Loam, Weak, Fine, Subangular Blocky, Friable
Bw1	10 TO 18 "		10YR 4/4, Gravelly, Silt Loam, Moderate, Medium, Subangular Blocky, Friable
Bw2	18 TO 25 "		10YR 4/4, Gravelly, Silt Loam, Weak, Coarse, Subangular Blocky, Friable
W	25 TO 26 "		Groundwater
2R	26+ TO ___ "		Massive Shale Bedrock
	___ TO ___ "		

Depth to Limiting Zone: 25 Inches

PERCOLATION TEST:

Percolation Test Completed by: _____ Date: _____

Weather Conditions : ☐ Below 40 F ☐ 40 F or Above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	H20 Left *** Yes	H20 Left *** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

***Water remaining in the hole at the end of the final 30 minute presoak ? Yes, use 30 minute interval; No use 10 minute interval.

Calculation of Average Percolation Rate:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
	"		"
	"		"
	"		"
	"		"
	"		"
	"		"
	"		"

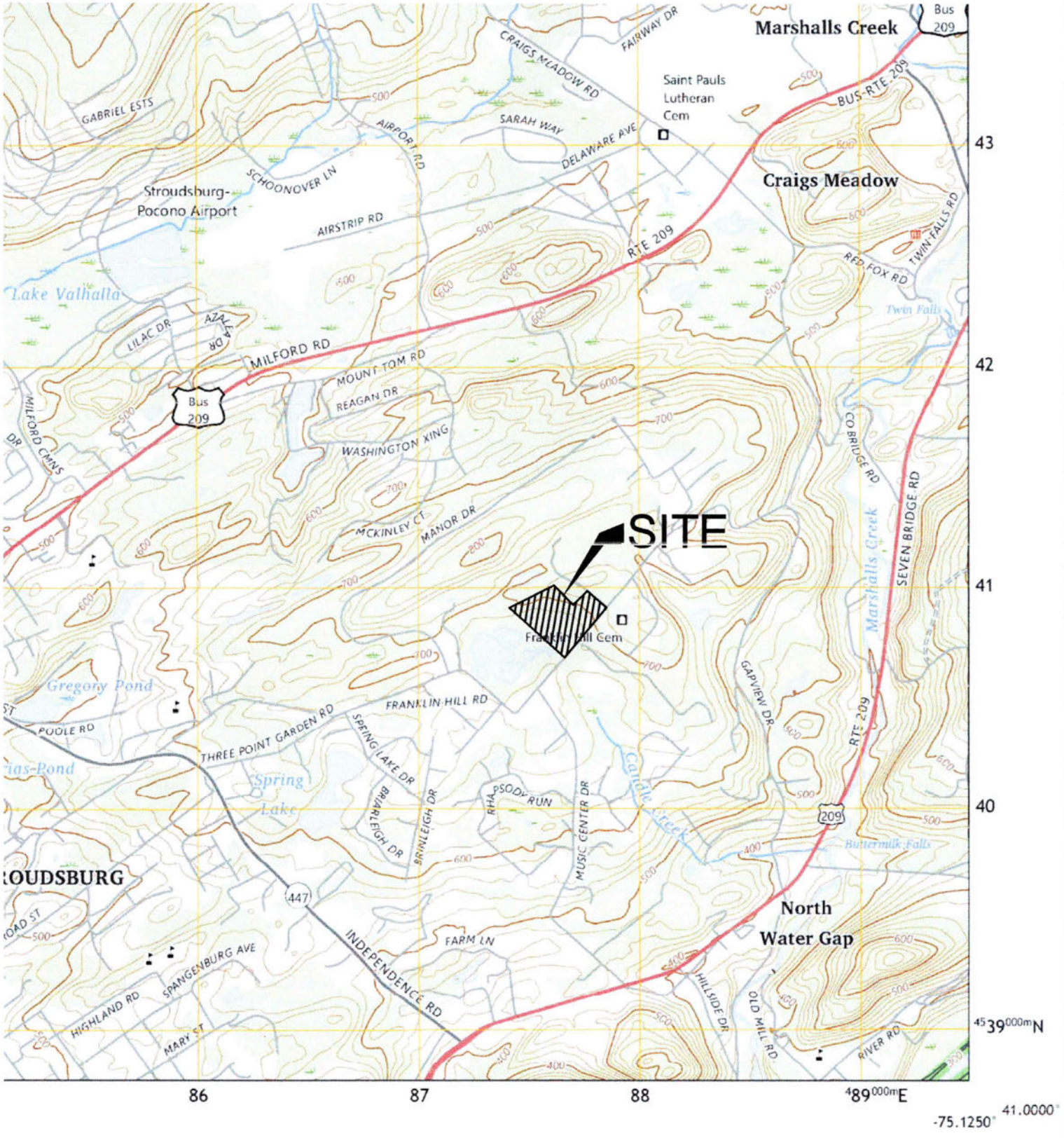
TOTAL OF MIN/IN. _____ = _____ Min / Inch

TOTAL No. OF HOLES

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the Department.

(S) _____

Sewage Enforcement Officer



Consultants LLC
1590 Canary Rd, Quakertown, PA 18951
215-536-7006 | 215-538-6136 Fax

Estate of Nancy M. Shukaitis–Minor Subdivision
Smithfield Township, Monroe County, Pennsylvania

Parcel Id: 16.7.2.23-1	Scale: 1 = 24,000
Applicant: Estate of Nancy M. Shukaitis P.O. Box 2093 Marco Island, FL 34146	Date: 01/07/25 Drawn By: EDW

Quad Map: East Stroudsburg

SHEET 1 of 1

1. PROJECT INFORMATION

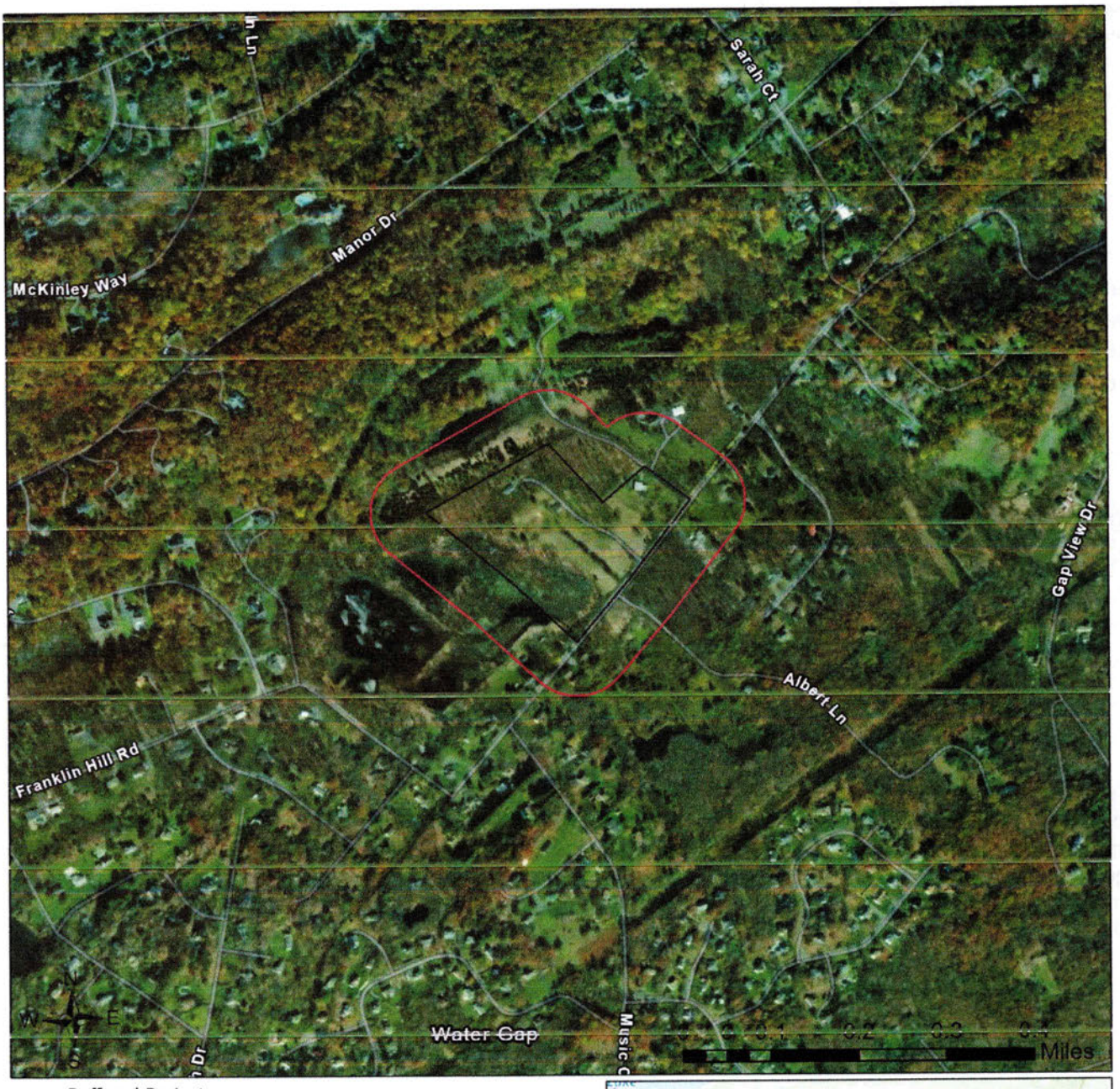
Project Name: **Franklin Hill Subdiv Rev**
Date of Review: **9/9/2024 03:48:37 PM**
Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**
Project Area: **17.40 acres**
County(s): **Monroe**
Township/Municipality(s): **SMITHFIELD TOWNSHIP**
ZIP Code:
Quadrangle Name(s): **EAST STROUDSBURG**
Watersheds HUC 8: **Middle Delaware-Mongaup-Brodhead**
Watersheds HUC 12: **Marshalls Creek**
Decimal Degrees: **41.018904, -75.147034**
Degrees Minutes Seconds: **41° 1' 8.560" N, 75° 8' 49.3208" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	**Potential Impact**	**MORE INFORMATION REQUIRED, See Agency Response**

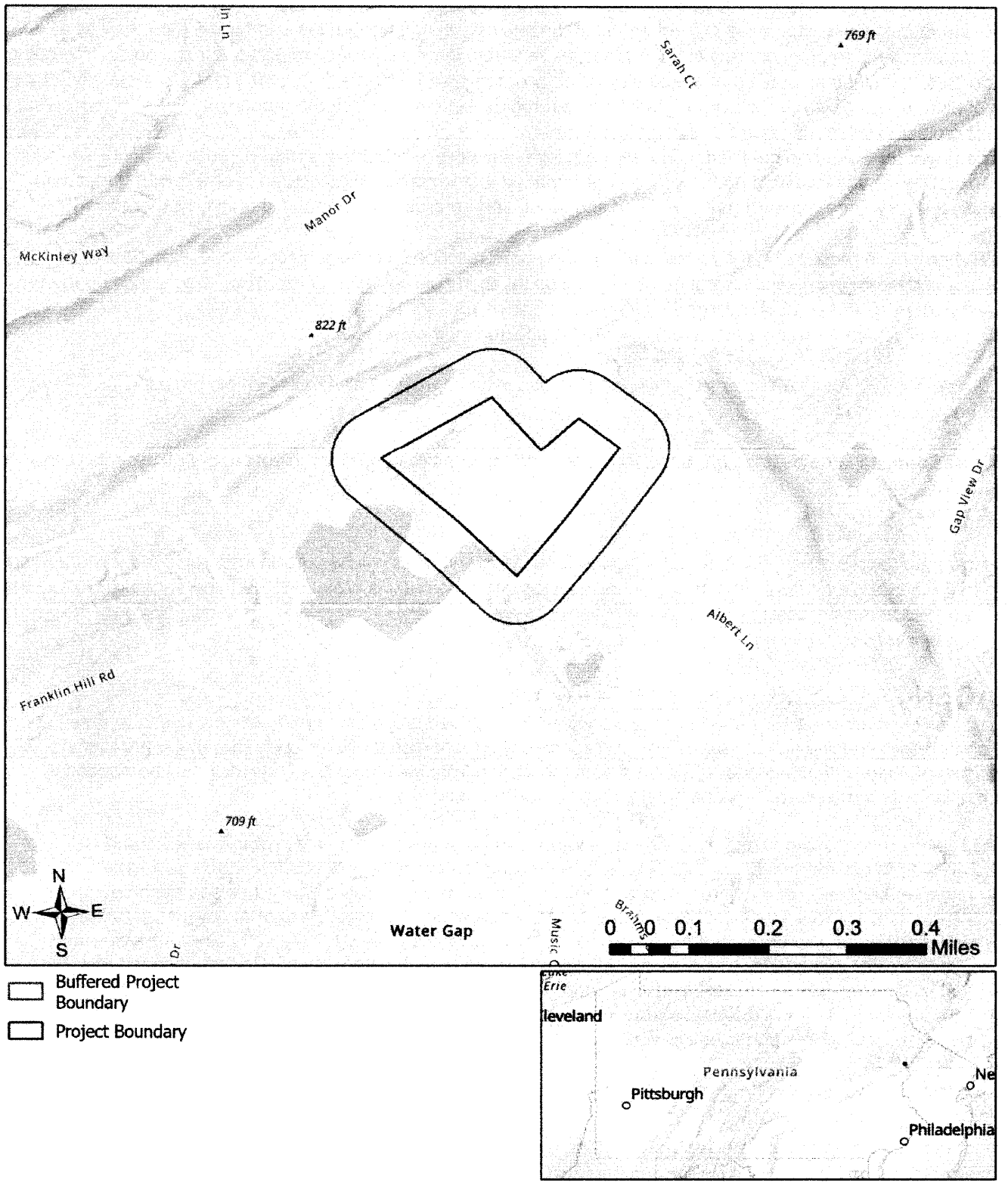
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Franklin Hill Subdiv Rev



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Franklin Hill Subdiv Rev



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.
Your answer is: Someone qualified to identify and delineate wetlands (holding a natural resource degree or equivalent work experience) has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)

Q2: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).
Your answer is: No forests, woodlots or trees will be affected by the project.

Q3: Is tree removal, tree cutting or forest clearing necessary to implement all aspects of this project?
Your answer is: No

Q4: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?
Your answer is: No

Q5: How many acres of woodland, forest, forested fencerows and trees will be cut, cleared, removed, disturbed or flooded (inundated) as a result of carrying out all aspects or phases of this project? [Round acreages UP to the nearest acre (e.g., 0.2 acres = 1 acre).]
Your answer is: 1 to 10 acres

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission
RESPONSE:
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources
RESPONSE:
No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

Information Request: Conduct a Bog Turtle Habitat (Phase 1) Survey in accordance with USFWS Guidelines for Bog Turtle Surveys (April 2020). Evaluate all wetlands within 300 feet of the project area, which includes all areas that will be impacted by earth disturbance or project features (e.g., roads, structures, utility lines, lawns, detention basins, staging areas, etc.). IF THE PHASE 1 SURVEY IS DONE BY A QUALIFIED BOG TURTLE SURVEYOR (see Pennsylvania Qualified Surveyors | FWS.gov): 1) Send positive results to USFWS for concurrence, along with a project description documenting how impacts will be avoided. OR, conduct a Phase 2 survey and send Phase 1 and 2 results to USFWS for concurrence. 2) Send a courtesy copy of negative results to USFWS (label as "Negative Phase 1 Survey Results by Qualified Bog Turtle Surveyor: USFWS Courtesy Copy"). USFWS approval of negative results is not necessary when a qualified surveyor does the survey in full accordance with USFWS guidelines. IF THE PHASE 1 SURVEY IS NOT DONE BY A QUALIFIED SURVEYOR: Send ALL Phase 1 results to USFWS for concurrence, and if potential habitat is found, also send a project description documenting how impacts will be avoided.

As a qualified bog turtle surveyor, I Marlin Cora (name) certify that I conducted a Phase 1 survey of all wetlands in and within 300 feet of the project area on 4-28-22 (date) and determined that bog turtle habitat is absent.

_____ (Signature)

Avoidance Measure: The proposed project is located in the vicinity of northern long-eared bat spring staging/fall swarming habitat. To ensure take is not reasonably certain to occur, do not conduct tree removal from May 15 to August 15. The U.S. Fish and Wildlife Service determined take is not reasonably certain to occur from tree removal if activities are avoided during the pup season (i.e., the range of time when females are close to giving birth (i.e., two weeks prior to birth) and have non-volant (i.e., unable to fly) young). For more information, see the Interim Voluntary Guidance for the Northern Long-Eared Bat: Forest Habitat Modification, available here: https://www.fws.gov/library/collections/interim-habitat-modification-guidance.

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:

Alicen N. Shukaitis Olenick (Signature)

ALICEN N. (SHUKAITIS) OLENICK

SPECIAL NOTE: **If you agree to implement the above Avoidance Measure and if applicable, any Information Requests, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required.** If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found here. This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).
*If information was requested by USFWS, applicants must email, or mail, project information to IR1_ESPenn@fws.gov to initiate a review. USFWS will not accept uploaded project materials.

Check-list of Minimum Materials to be submitted:
____Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
____A map with the project boundary and/or a basic site plan(particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
In addition to the materials listed above, USFWS REQUIRES the following
____**SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.
____Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
____Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at https://conservationexplorer.dcnr.pa.gov/content/resources.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service
Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission
Bureau of Wildlife Management
Division of Environmental Review
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

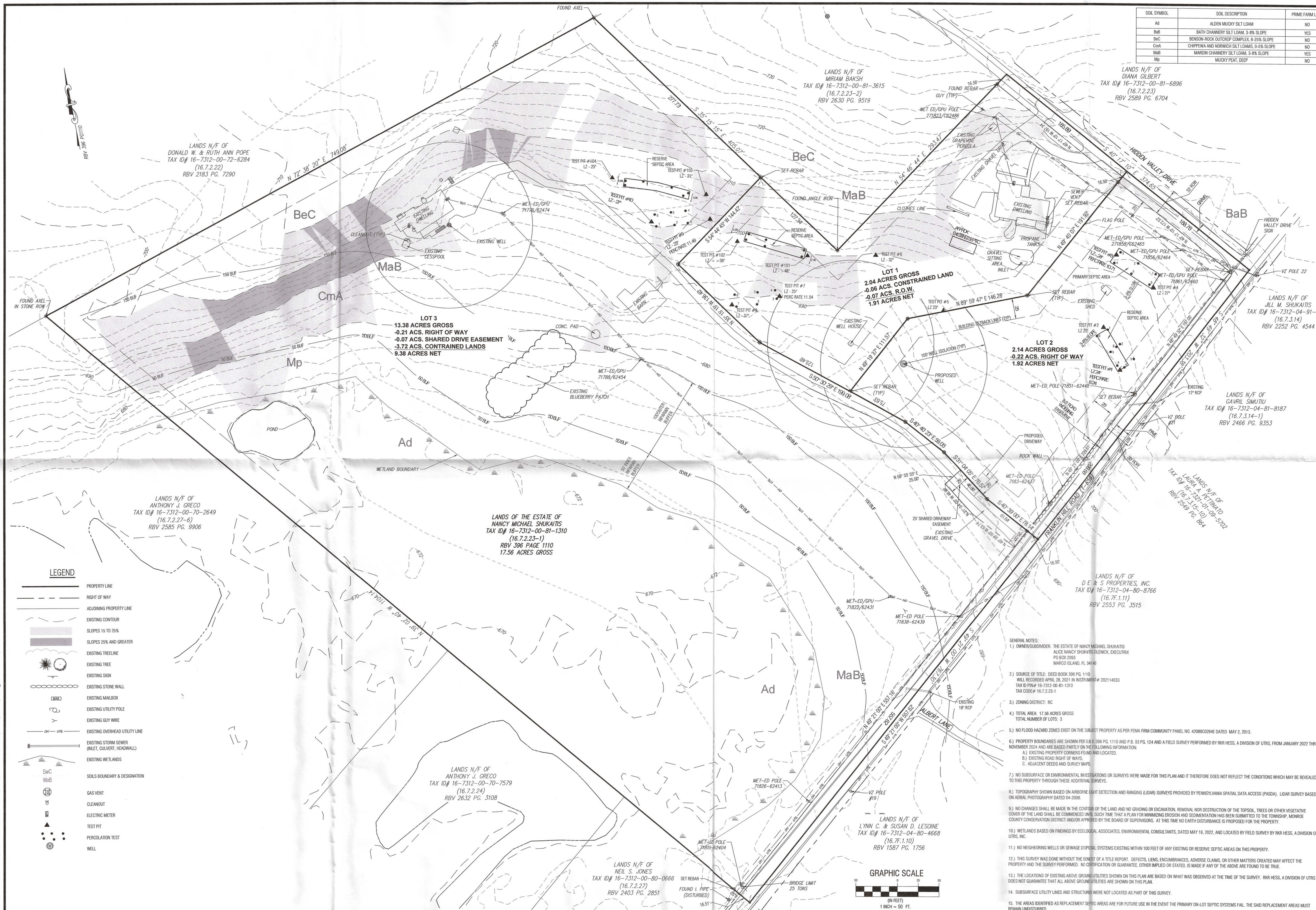
Name: Samantha Gonzalez
Company/Business Name: RKR Hess, A Division of UTRS, Inc.
Address: 112 North Courtland Street, P.O. Box 268
City, State, Zip: East Stroudsburg, PA 18301
Phone: (570) 421-1550 Fax: (570) 421-6720
Email: sgonzalez@rkrhess.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Samantha Gonzalez
applicant/project proponent signature

9-9-2024
date


LOT 1
2.04 ACRES GROSS
-0.06 ACS. CONSTRAINED LAND
-0.07 ACS. R.O.W.
1.91 ACRES NET
LOT 2
2.14 ACRES GROSS
-0.22 ACS. RIGHT OF WAY
1.92 ACRES NET
LOT 3
13.38 ACRES GROSS
-0.21 ACS. RIGHT OF WAY
-0.07 ACS. SHARED DRIVE EASEMENT
-3.72 ACS. CONTRAINED LANDS
9.38 ACRES NET
LANDS OF THE ESTATE OF NANCY MICHAEL SHUKAITIS
TAX ID# 16-7312-00-81-1310
(16.7.2.23-1)
RBV 396 PAGE 1110
17.56 ACRES GROSS
LANDS N/F OF MIRIAM BAKSH
TAX ID# 16-7312-00-81-3615
(16.7.2.23-2)
RBV 2630 PG. 9519
LANDS N/F OF DIANA GILBERT
TAX ID# 16-7312-00-81-6896
(16.7.2.23)
RBV 2589 PG. 6704
LANDS N/F OF DONALD W. & RUTH ANN POPE
TAX ID# 16-7312-00-72-6284
(16.7.2.22)
RBV 2183 PG. 7290
LANDS N/F OF JILL M. SHUKAITIS
TAX ID# 16-7312-04-91-0335
(16.7.3.14)
RBV 2252 PG. 4544
LANDS N/F OF GAVRIL SIMUTIU
TAX ID# 16-7312-04-81-8187
(16.7.3.14-1)
RBV 2466 PG. 9353
LANDS N/F OF D E & S PROPERTIES, INC.
TAX ID# 16-7312-04-80-8766
(16.7F.1.11)
RBV 2553 PG. 3515
LANDS N/F OF ANTHONY J. GRECO
TAX ID# 16-7312-00-70-2649
(16.7.2.27-6)
RBV 2585 PG. 9906
LANDS N/F OF ANTHONY J. GRECO
TAX ID# 16-7312-00-70-7579
(16.7.2.24)
RBV 2632 PG. 3108
LANDS N/F OF NEIL S. JONES
TAX ID# 16-7312-00-80-0666
(16.7.2.27)
RBV 2403 PG. 2851
LANDS N/F OF LYNN C. & SUSAN D. LESOINE
TAX ID# 16-7312-04-80-4668
(16.7F.1.10)
RBV 1587 PG. 1756
HIDDEN VALLEY DRIVE
FRANKLIN HILL ROAD
ALBERT LANE
LEGEND
PROPERTY LINE
RIGHT OF WAY
ADJOINING PROPERTY LINE
EXISTING CONTOUR
SLOPES 15 TO 25%
SLOPES 25% AND GREATER
EXISTING TREELINE
EXISTING TREE
EXISTING SIGN
EXISTING STONE WALL
EXISTING MAILBOX
EXISTING UTILITY POLE
EXISTING GUY WIRE
EXISTING OVERHEAD UTILITY LINE
EXISTING STORM SEWER (INLET, CULVERT, HEADWALL)
EXISTING WETLANDS
SOILS BOUNDARY & DESIGNATION
GAS VENT
CLEANOUT
ELECTRIC METER
TEST PIT
PERCOLATION TEST
WELL
GRAPHIC SCALE
(IN FEET)
1 INCH = 50 FT.

SOIL SYMBOL	SOIL DESCRIPTION	PRIME FARM LAND
Ad	ALDEN MUCKY SILT LOAM	NO
BaB	BATH CHANNERY SILT LOAM, 3-8% SLOPE	YES
BeC	BENSON-ROCK OUTCROP COMPLEX, 8-25% SLOPE	NO
CmA	CHIPPEWA AND NORWICH SILT LOAMS, 0-5% SLOPE	NO
MaB	MARDIN CHANNERY SILT LOAM, 3-8% SLOPE	YES
Mp	MUCKY PEAT, DEEP	NO

GENERAL NOTES:

1.) OWNER/SUBDIVIDER: THE ESTATE OF NANCY MICHAEL SHUKAITIS
ALICE NANCY SHUKAITIS OLENICK, EXECUTRIX
PO BOX 2093
MARCO ISLAND, FL 34146

2.) SOURCE OF TITLE: DEED BOOK 396 PG. 1110
WILL RECORDED APRIL 28, 2021 IN INSTRUMENT# 202114033
TAX ID PIN# 16-7312-00-81-1310
TAX CODE# 16.7.2.23-1

3.) ZONING DISTRICT: RC

4.) TOTAL AREA: 17.56 ACRES GROSS
TOTAL NUMBER OF LOTS: 3

5.) NO FLOOD HAZARD ZONES EXIST ON THE SUBJECT PROPERTY AS PER FEMA FIRM COMMUNITY PANEL NO. 42089C0294E DATED MAY 2, 2013.

6.) PROPERTY BOUNDARIES ARE SHOWN PER D.B.V. 396 PG. 1110 AND P.B. 93 PG. 124 AND A FIELD SURVEY PERFORMED BY RKR HESS, A DIVISION OF UTRS, FROM JANUARY 2022 THRU NOVEMBER 2024 AND ARE BASED PARTLY ON THE FOLLOWING INFORMATION:
A.) EXISTING PROPERTY CORNERS FOUND AND LOCATED.
B.) EXISTING ROAD RIGHT OF WAYS.
C. ADJACENT DEEDS AND SURVEY MAPS.

7.) NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATIONS OR SURVEYS WERE MADE FOR THIS PLAN AND IT THEREFORE DOES NOT REFLECT THE CONDITIONS WHICH MAY BE REVEALED TO THIS PROPERTY THROUGH THESE ADDITIONAL SURVEYS.

8.) TOPOGRAPHY SHOWN BASED ON AIRBORNE LIGHT DETECTION AND RANGING (LiDAR) SURVEYS PROVIDED BY PENNSYLVANIA SPATIAL DATA ACCESS (PASDA). LiDAR SURVEY BASED ON AERIAL PHOTOGRAPHY DATED 04-2008.

9.) NO CHANGES SHALL BE MADE IN THE CONTOUR OF THE LAND AND NO GRADING OR EXCAVATION, REMOVAL NOR DESTRUCTION OF THE TOPSOIL, TREES OR OTHER VEGETATIVE COVER OF THE LAND SHALL BE COMMENCED UNTIL SUCH TIME THAT A PLAN FOR MINIMIZING EROSION AND SEDIMENTATION HAS BEEN SUBMITTED TO THE TOWNSHIP, MONROE COUNTY CONSERVATION DISTRICT AND/OR APPROVED BY THE BOARD OF SUPERVISORS. AT THIS TIME NO EARTH DISTURBANCE IS PROPOSED FOR THE PROPERTY.

10.) WETLANDS BASED ON FINDINGS BY ECOLOGICAL ASSOCIATES, ENVIRONMENTAL CONSULTANTS, DATED MAY 16, 2022, AND LOCATED BY FIELD SURVEY BY RKR HESS, A DIVISION OF UTRS, INC.

11.) NO NEIGHBORING WELLS OR SEWAGE DISPOSAL SYSTEMS EXISTING WITHIN 100 FEET OF ANY EXISTING OR RESERVE SEPTIC AREAS ON THIS PROPERTY.

12.) THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE REPORT. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS, OR OTHER MATTERS CREATED MAY AFFECT THE PROPERTY AND THE SURVEY PERFORMED. NO CERTIFICATION OR GUARANTEE, EITHER IMPLIED OR STATED, IS MADE IF ANY OF THE ABOVE ARE FOUND TO BE TRUE.

13.) THE LOCATIONS OF EXISTING ABOVE GROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON WHAT WAS OBSERVED AT THE TIME OF THE SURVEY. RKR HESS, A DIVISION OF UTRS DOES NOT GUARANTEE THAT ALL ABOVE GROUND UTILITIES ARE SHOWN ON THIS PLAN.

14. SUBSURFACE UTILITY LINES AND STRUCTURES WERE NOT LOCATED AS PART OF THIS SURVEY.

15. THE AREAS IDENTIFIED AS REPLACEMENT SEPTIC AREAS ARE FOR FUTURE USE IN THE EVENT THE PRIMARY ON-LOT SEPTIC SYSTEMS FAIL. THE SAID REPLACEMENT AREAS MUST REMAIN UNDISTURBED.

FINAL MINOR SUBDIVISION PLAN FOR LANDS OF

THE ESTATE OF NANCY MICHAEL SHUKAITIS
ALICE NANCY SHUKAITIS OLENICK, EXECUTRIX

6277 FRANKLIN HILL ROAD - EAST STROUDSBURG, PA
TAX ID# 16-7312-00-81-1310 (16.7.2.23-1)

SMITHFIELD TOWNSHIP — MONROE COUNTY, PA

PROJECT MANAGER	DESIGNED BY
NSO	
DRAWN BY: AIR	CHECKED BY:
DATE: 11/25/2024	CHECKED DATE:
SCALE: 1"= 50'	PROJECT NO.: 10757.005
PROJECT PATH AND NAME:	
DRAWING PATH AND NAME: OLE_Subdivision.dwg	

2 OF 2

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — CHARLES P. GINTER — LAND SURVEYOR — NO. SU062410

The Professional's Seal is invalid on any plot that does not contain an impression or red ink seal and an original ink signature.

RKR HESS
A DIVISION OF UTRS
Civil Engineers • Environmental Engineers • Surveyors
112 North Courtland Street, East Stroudsburg, Pa. 18301
Telephone (570) 421-1550, Fax (570) 421-6720
Website: www.rkrhess.com Email: info@rkrhess.com

AUTHORIZED USE:

RECORD PLAN

REVISIONS

1	1-7-2025	PER TWP. ENGINEER COMMENTS DATED 1-6-25
2	5-15-2025	ADDITIONAL SEPTIC TESTING BY VW CONS. ADDED

May 15,25-8:31am
P:\PA\Monroe Co\Smithfield Twp\Olnick A\10757.005 Minor Subd Appl Franklin Hill Rd\Engineering\Drawings\OLE_Subdivision.dwg