



March 19, 2017

Karen Kleist; Secretary  
Dingman Township  
118 Fisher Lane  
Milford, PA 18337

RE: PADEP Letter dated 12/21/16  
Sunrise Lakes- Section 9 Community Wastewater Treatment System  
Dingman Township Pike Co.  
VW#16-19

Dear Ms. Kleist:

On behalf of Appletree Resource Group, Inc. the management consultant for Sunrise Lake section 9 residents, VW Consultants, LLC (VW) would like to respond to the PADEP letter of 12/21/16. Our response includes information provided by Appletree Resource Group, Inc. (Appletree); their service provider M&S Septic Services (M&S) and the inspection company of Pike County Septic & Environmental Management, LLC (PCSEM). We shall respond in the order listed in the PADEP letter:

1. The total number of lots connected to Site A is 10. There are two lots in this area that are not connected to the community system (110 Golden Eagle Terrace and 138 Spruce lake Dr). The total number of lots connected to site B is 27. The existing wastewater flow varies as many of these homes are seasonal. M&S has pumped 655,500 gallons from 4/7/16 to 2/1/17. Any new absorption area designed by VW will attempt to use 400 gallons per day as a peak sewage flow from each 3 bedroom residence and will increase that peak daily flow by 100 gallons for each bedroom over 3 bedrooms.
2. Enclosed is a sketch provided to us from Appletree. A detailed plan has not yet been obtained from the Homeowner's Association. We have enclosed a location plan prepared by VW which shows the recent site testing conducted by VW. Enclosed is a copy of the preliminary design plan for section 9 site A.
3. At this time the system as installed has 10 units connected to site A and 27 units connected to site B. It appears that the current design cannot allow for diversion of waste water flow between the two areas. Therefore the design being prepared by VW will incorporate the flexibility to modify the flow between the two areas to

allow for waste water loading appropriate for the absorption areas based on a peak sewage flow of 400 gallons per day for a 3 bedroom residence.

4. All but five residences have been evaluated for I&I. The collection system has also been evaluated for I&I. Please see the report from PCSEM dated 3/13/17 which includes a spreadsheet entitled: Sunrise Lake Utility Corporations Section 9 Sewer and Water Association Analysis dated March 2017-Schedule B.

At this time VW is pursuing a design for a third mound to be located at site A. We are also evaluating with Appletree and PCSEM the option of removing the existing absorption areas at site B and preparing the site for additional testing to located new absorption areas. A third option is to evaluate the community area for section 12 for new absorption areas to be used by section 9.

Should you have any questions regarding this matter, please do not hesitate to contact me at 267-784-6873 or by email at [valsoils@verizon.net](mailto:valsoils@verizon.net).

Sincerely,



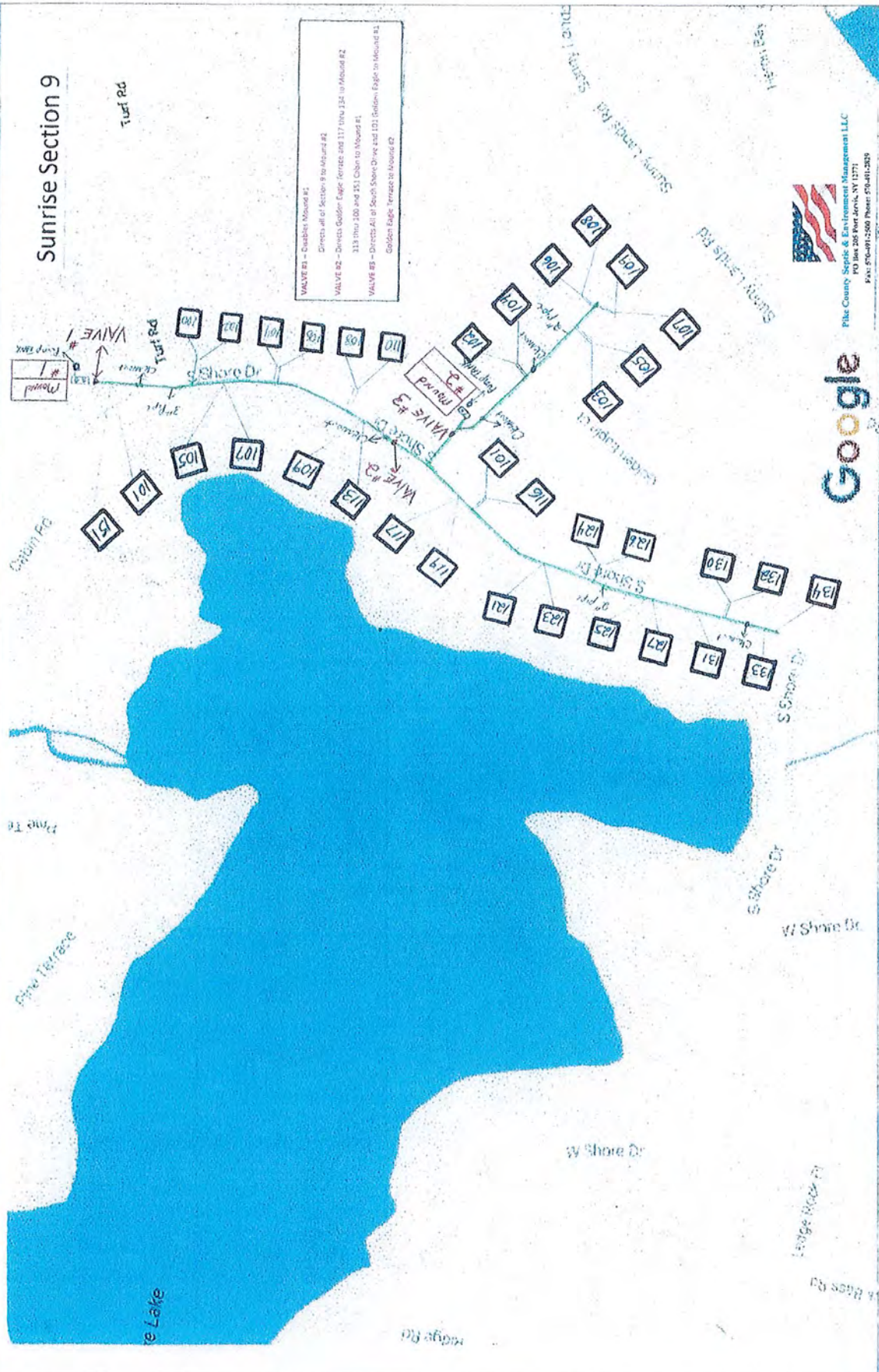
**VW Consultants, LLC**  
Joseph A. Valentine  
Qualified Soil Scientist

Enclosures

Cc: Todd Stires; PADEP  
Appletree  
PCSEM  
Chris Wood; SEO

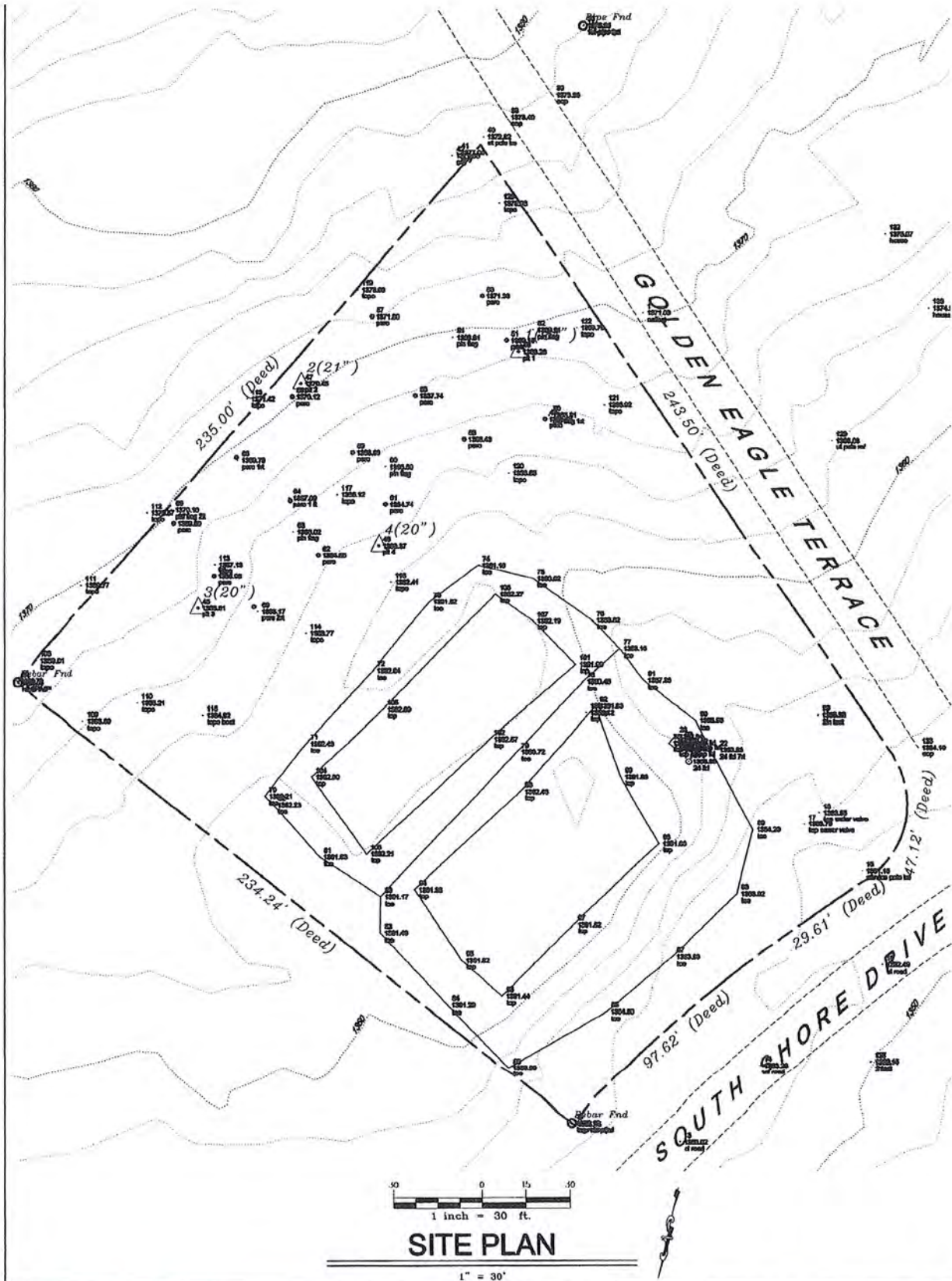


# Sunrise Section 9



Pike County Septic & Environmental Management LLC  
 PO Box 205 Fort Davis, WV 25717  
 Fax: 206-941-2029





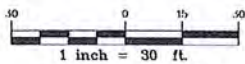
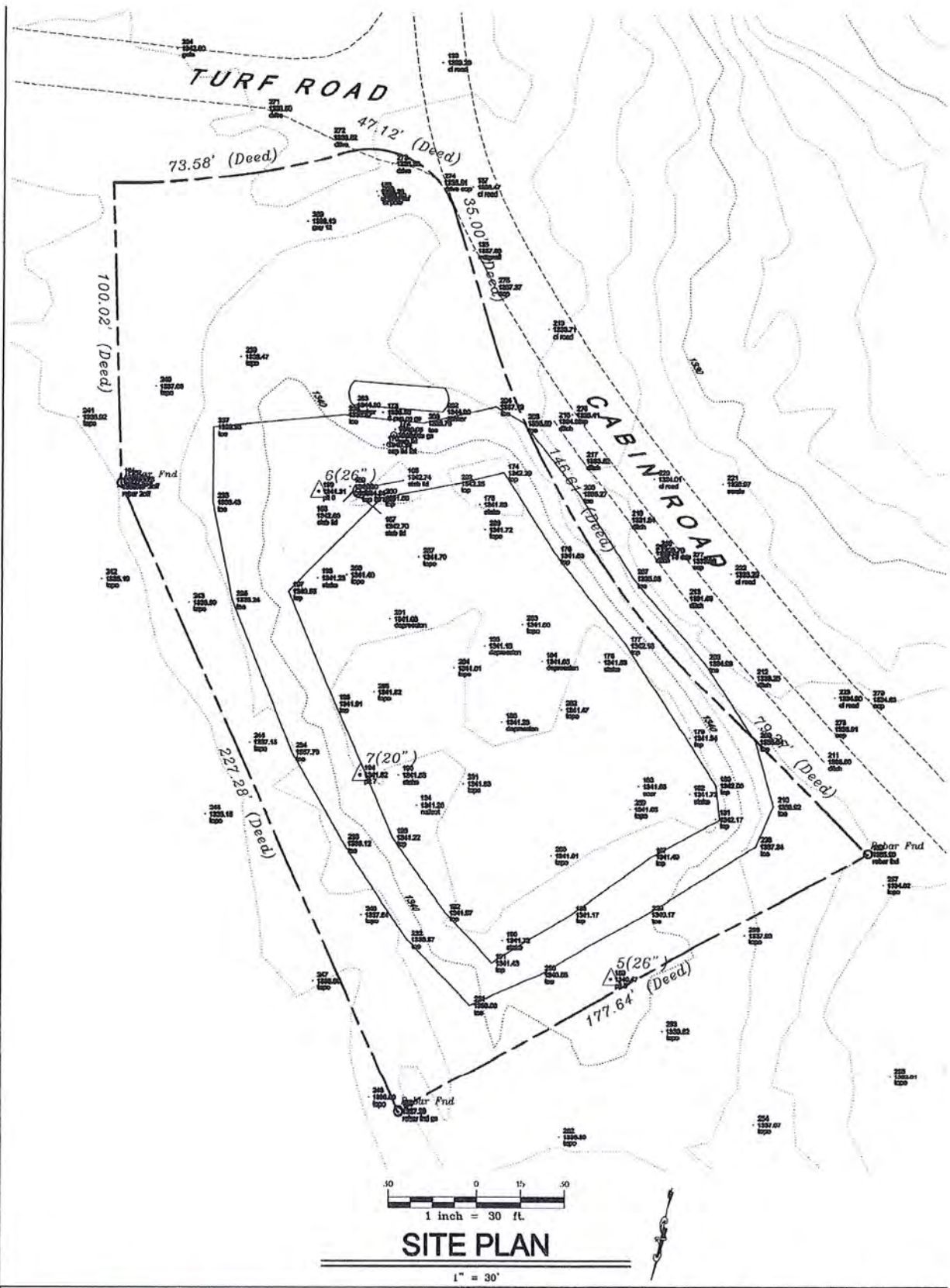
**SITE PLAN**



1590 Canary Road  
 Quakertown, PA 18951  
 (215) 536-7006 Phone  
 (215) 538-6136 Fax

<b>Site A: Sunrise Lakes Section 9</b>		
Dingman Township, Pike County, Pennsylvania		
Drawn By: EDW	Map Number: 122.02-07-04-009-	Scale: As Noted
Applicant: Sunrise Lake Utility Corporations c/o Appletree Resource Group, Inc.		
15 AM Hughes Blvd. Covington, Township, PA 18424		
<i>Site Plan</i>		<b>SHEET</b> 1 of 1





**SITE PLAN**

1" = 30'

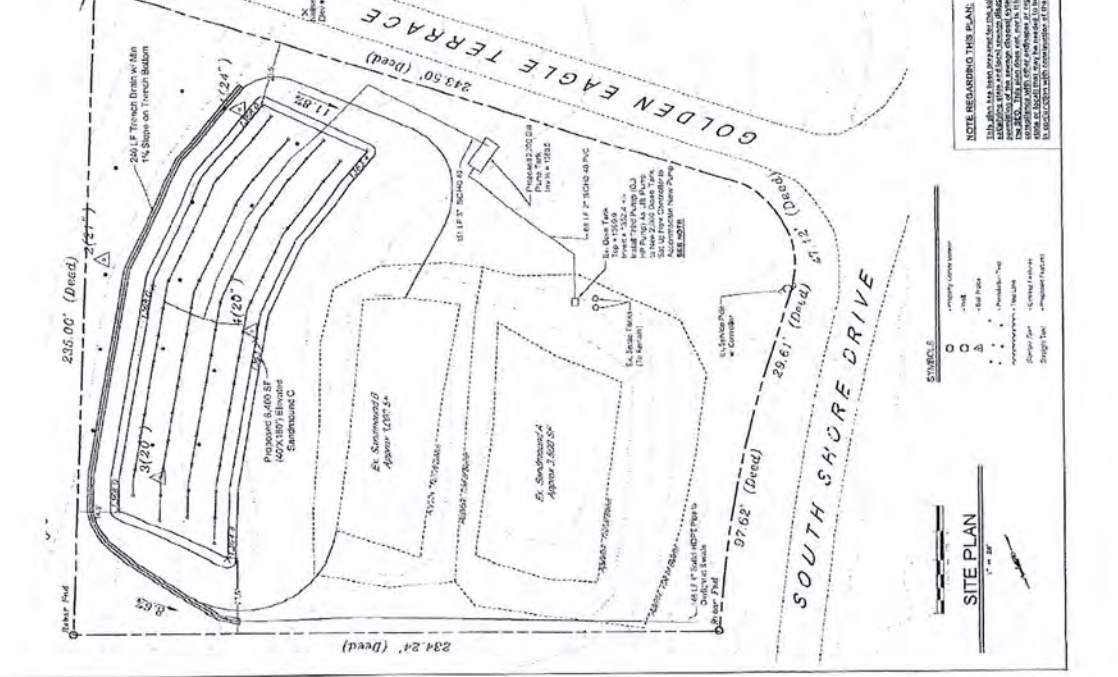
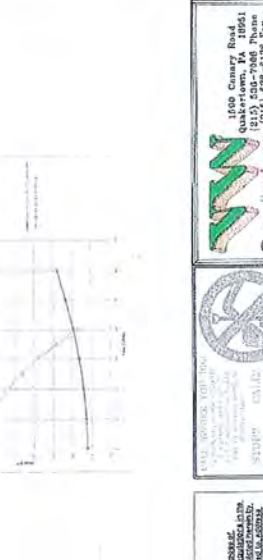
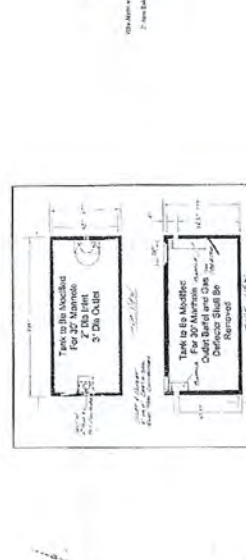
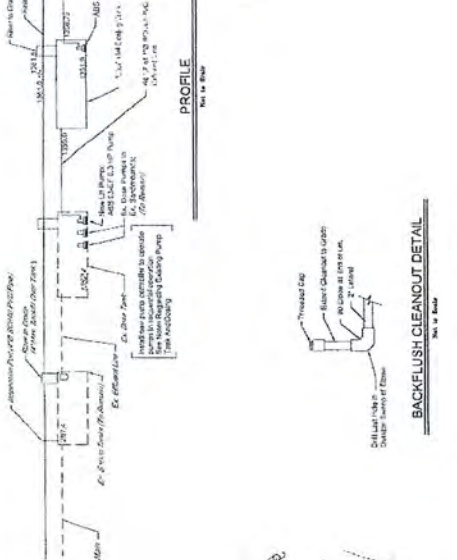
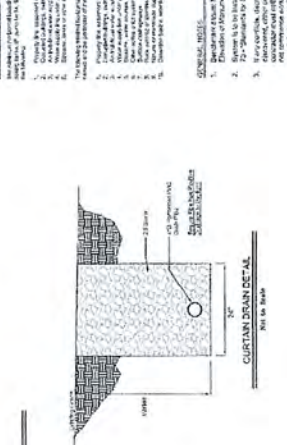
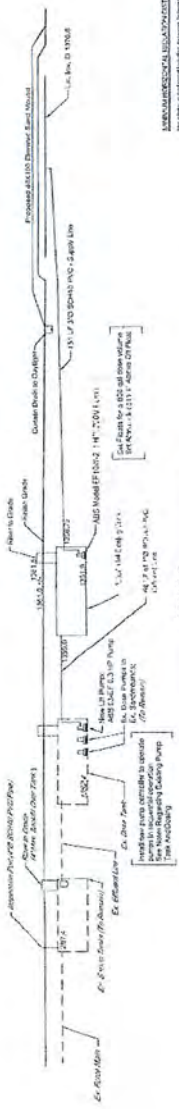
**W Consultants LLC**  
 1590 Canary Road  
 Quakertown, PA 18951  
 (215) 536-7006 Phone  
 (215) 538-6136 Fax

**Site B: Sunrise Lakes Section 9**  
 Dingman Township, Pike County, Pennsylvania

Drawn By: EDW	Map Number: 109.04-01-31.013-	Scale: As Noted
		Date: 1/17/17
Applicant: Sunrise Lake Utility Corporations c/o Appletree Resource Group, Inc. 15 AM Hughes Blvd. Covington, Township, PA 18424		

*Site Plan*

**SHEET**  
 1 of 1



- REQUIREMENTS FOR THE CONTRACTOR:**
1. The contractor shall provide all labor, materials, and equipment necessary for the construction of the proposed sanitary landfill enclosure and associated infrastructure.
  2. The contractor shall obtain all necessary permits from the appropriate local, state, and federal agencies.
  3. The contractor shall ensure that the construction process complies with all applicable environmental regulations and standards.
  4. The contractor shall provide regular progress reports to the owner and the project manager.
  5. The contractor shall be responsible for the safety of all workers and the public during the construction process.

- GENERAL NOTES:**
1. Refer to the site plan for the location and extent of the proposed sanitary landfill enclosure.
  2. The proposed sanitary landfill enclosure shall be constructed on the site as shown on the site plan.
  3. The proposed sanitary landfill enclosure shall be constructed with a minimum wall height of 10 feet above the finished ground level.
  4. The proposed sanitary landfill enclosure shall be constructed with a minimum top width of 10 feet.
  5. The proposed sanitary landfill enclosure shall be constructed with a minimum slope of 2:1.

- CONSTRUCTION CONTRACT:**
1. The construction contract shall be for a fixed price of \$1,000,000.
  2. The contractor shall provide a performance bond in the amount of \$1,000,000.
  3. The contractor shall provide a payment bond in the amount of \$1,000,000.
  4. The contractor shall provide a maintenance bond in the amount of \$1,000,000.
  5. The contractor shall provide a completion bond in the amount of \$1,000,000.

- NOTES:**
1. The contractor shall provide all labor, materials, and equipment necessary for the construction of the proposed sanitary landfill enclosure.
  2. The contractor shall obtain all necessary permits from the appropriate local, state, and federal agencies.
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OWNER	SUNNISE LAKE DEVELOPMENT, INC.
DESIGNER	CONSULTANTS, LLC
DATE	10/20/2024
DRAWN BY	J.W.
CHECKED BY	M.B.
PROJECT NO.	2024-001
SCALE	AS SHOWN

**Sunnise Lakes Section 9**  
 Engineering: Tom Clancy, Remedial  
 Design: J.W., J.P.  
 Plot No.: 122-001-001-001  
 Date: 10/20/24

**Site Plan**  
 1" = 30'  
 10/20/24

**CONSULTANTS, LLC**  
 1000 Century Road  
 Suite 200  
 Raleigh, NC 27605  
 Phone: (919) 830-7948  
 Fax: (919) 830-8138  
 Email: info@consultants.com  
 Website: www.consultants.com

**NOTE REGARDING THIS PLAN:**  
 This plan has been prepared for the project described on the title block. It is not to be used for any other purpose without the written consent of the engineer. The engineer is not responsible for the accuracy of the information provided by the owner or third parties. The engineer is not responsible for the construction of the project.

**LEGEND:**

- Proposed Sanitary Landfill Enclosure
- Proposed 2000 Gallon UDFBR Pump Tank
- Proposed 5000 Gallon Sump Tank
- Proposed Sanitized Dose Blend Tank
- Proposed 6000 SF Sanitary Landfill Enclosure
- Proposed 240 SF Trench Drain
- Proposed 24\"/>

**SOUTH SHORE DRIVE**  
 296.1' (Dead)

**GOLDEN EAGLE TERRACE**  
 243.50' (Dead)

**284.24' (Dead)**

**235.00' (Dead)**

**234.24' (Dead)**

**PROPOSED SANITIZED DOSE BLEND TANK SETUP**

**PROPOSED 5000 GALLON SUMP TANK SETUP**

**PROPOSED 2000 GALLON UDFBR PUMP TANK**

**BACKFLUSH CLEANOUT DETAIL**

**PROPOSED 6000 SF SANITARY LANDFILL ENCLOSURE**

**PROFILE**

Not to Scale

**PROPOSED 240 SF TRENCH DRAIN**

**PROPOSED 24\"/>**