

# SETEC

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
 111 N. Franklin Street, Christiansburg, VA 24073  
 Phone: (540) 381-0309 Fax: (540) 381-9430  
 E-mail: setec@soilandenvironmentaltechnology.com

## OSE Report for Subdivision

### Property Identification:

County: Pittsylvania  
 Subdivision: Sanctuary Village  
 Lots #: 1-20  
 TM#: Portions of: 1563-63-0222, 1563-63-5202, 1563-75-7300

### Directions to the Property:

US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L

### Applicant and Their Address:

Plyler Properties, Inc. & Smith Mountain Development, LLC  
 13697 Booker T. Washington Hwy, Suite 109A  
 Moneta, VA 24121

### Applicants Phone Number:

(540) 537-3865 Erik Plyler

### Date of this report:

4/22/2020

### Contents of this report:

**OSE Cover Page & Certification Statement** (Page 1)  
**Soil Information Summary** (Pages 2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66, 70, 74, 78)  
**Soil Profile Descriptions** (Pages 3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55, 59, 63, 67, 71, 75, 79)

**Primary/Reserve Design Specifications** (Pages 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80)  
**Plat Showing DF w/ Boring Locations & Slope** (Pages 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81)  
**Copy of Subdivision Plat** (Page 82)

### Certification Statement:

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the *applicable provisions of the Sewage Handling and Disposal Regulations (12 VAC5-610)*, the *Private Well Regulations (12 VAC5-630)*, The *Regulations for Alternative Onsite Sewage Systems (12VAC5-613)* and all other applicable laws, regulations and policies implemented by the Virginia Department of Health. I further certify that I currently possess any professional license required by the laws and regulations of the Commonwealth that have been duly issued by the applicable agency charged with licensure to perform the work contained herein. The potential to both conventional and alternative onsite sewage systems has been discussed with the owner/applicant.

The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11

I recommend a **subdivision** be approved.

OSE

**David Hall #1127**



The property lines and building location and proposed sewage disposal area are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Virginia Department of Health to enter onto the property described during normal business hours for the purpose of processing this application and to perform quality assurance checks of evaluations and designs certified by a private sector Onsite Soil Evaluator or Professional Engineer as necessary until the sewage disposal system and/or private water supply has been constructed and approved.

Signature of Owner/Agent

Date

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**Phone: (540) 381-0309 Fax: (540) 381-9430**  
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### General Information

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 2.637

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 1

### Soil Information Summary

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 28 %
3. Depth to rock/impervious strata: Max. >72" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:

- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 42" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/28/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 1      **Acreage:** 2.637

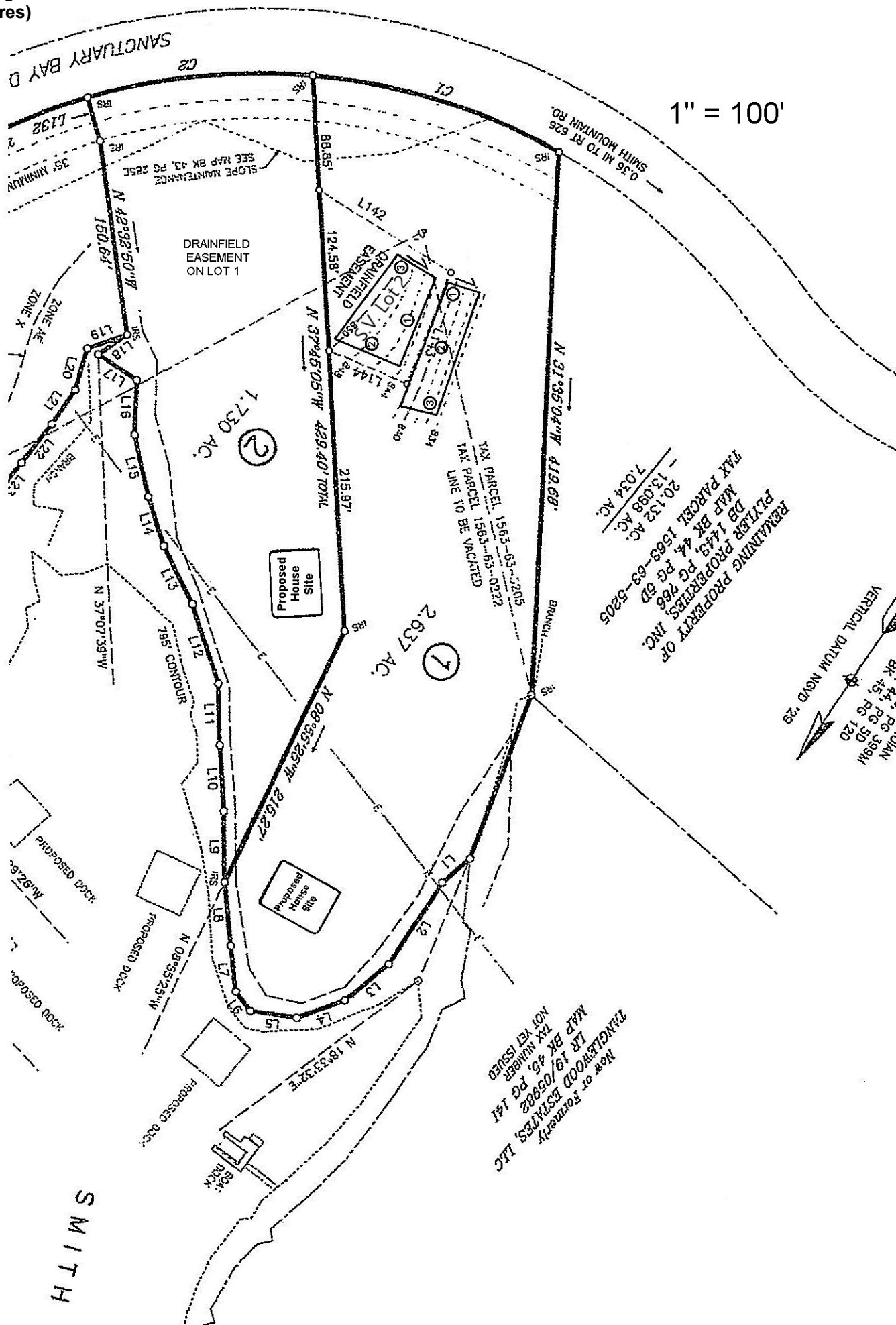
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	Bt	1-30	Yellowish Red (5YR 5/6) sandy clay loam	2
	C	30-72	Yellowish Brown (10YR 5/6) loam with many mica flakes	2
Auger 2	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	Bt	1-22	Yellowish Red (5YR 5/6) clay loam	3
	BC	22-30	Strong Brown (7.5YR 5/6) channery loam with many mica flakes; 15% coarse fragments	2
	C	30-72	Brownish Yellow (10YR 6/6) loam with many mica flakes	2
Auger 3	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	BA	1-4	Yellowish Red (5YR 5/6) sandy clay loam	2
	Bt	4-20	Yellowish Red (5YR 5/6) clay loam	3
	BC	20-28	Yellowish Brown (10YR 5/6) loam with many mica flakes	2
	C	28-72	Brownish Yellow (10YR 6/6) loam with many mica flakes	2



# **DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 1**Acres:** 2.637

Main DF		Reserve DF	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	28	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	3	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	100	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	23	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	42	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



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**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc. Telephone #: (540) 537-3865 Erik Plyler  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village Lot: 2  
 Acreage: 1.730

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 18 %
3. Depth to rock/impervious strata: Max. 75" Min. 72" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 42" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield (located in easement on Sanctuary Village Lot 1). This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

Pittsylvania County Health Department

See construction permit

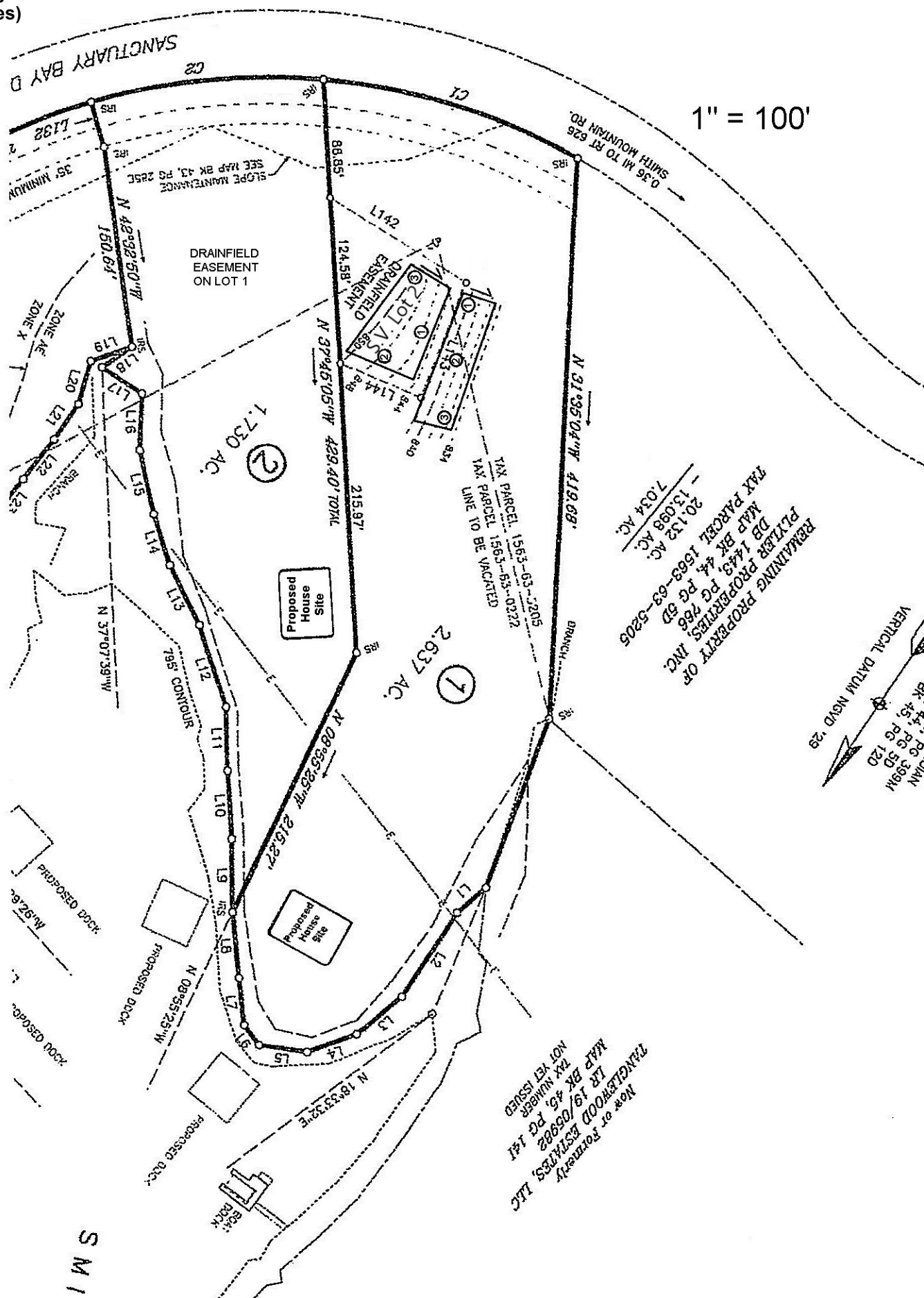
**Acreage:** 1.730

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	BA	1-5	Brown (7.5YR 5/4) sandy loam	2
	Bt	5-20	Yellowish Red (5YR 5/6) clay loam	3
	BC	20-30	Strong Brown (7.5YR 5/6) loam	2
	C	30-75	Yellowish Brown (10YR 5/6) loam with many mica flakes	2
Auger 2	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	BA	1-4	Brown (7.5YR 5/4) sandy loam	2
	Bt	4-24	Yellowish Red (5YR 5/6) clay loam	3
	BC	24-30	Strong Brown (7.5YR 5/6) loam	2
	C1	30-60	Brownish Yellow (10YR 6/8) loam	2
	C2	60-72	Brownish Yellow (10YR 6/6) channery loam with many mica flakes; 20% coarse fragments	2
Auger 3	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	Bt	1-18	Yellowish Red (5YR 5/6) clay loam	3
	BC	18-30	Yellowish Brown (10YR 5/8) loam	2
	C	30-72	Brownish Yellow (10YR 6/8) sandy loam	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 2**Acres:** 1.730

Main DF		Reserve DF	
Type of system	Pump to DF Easement	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	18	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	42	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



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**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 2.782

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 3

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 12 %
3. Depth to rock/impervious strata: Max. >92" Min. 84" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 66" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/9/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot: 3**

**Acreage:** 2.782

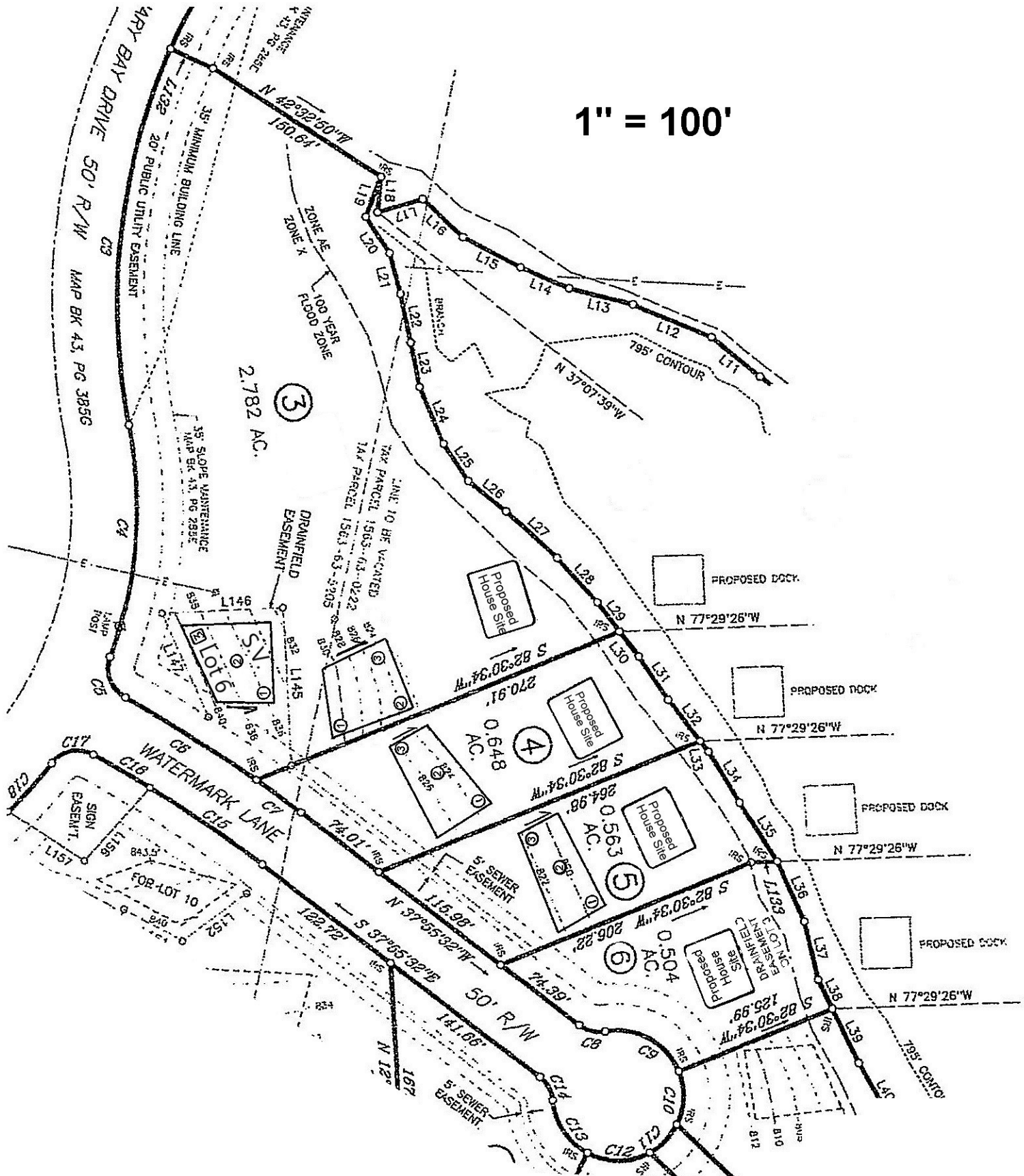
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-4	Dark Brown (7.5YR 3/4) sandy loam	2
	BA	4-12	Brown (7.5YR 4/4) sandy loam	2
	Bt	12-36	Dark Red (2.5YR 3/6) clay loam	3
	BC	36-48	Red (2.5YR 4/6) loam with many mica flakes	2
	C	48-92	Yellowish Red (5YR 5/8) sandy loam with many mica flakes	2
Auger 2	A	0-2	Dark Brown (7.5YR 3/4) sandy loam	2
	BA	2-8	Brown (7.5YR 4/4) sandy loam	2
	Bt	8-24	Red (2.5YR 4/6) clay loam	3
	BC	24-55	Red (2.5YR 4/6) loam	2
	C	55-90	Red (2.5YR 4/6) loam with many mica flakes	2
Auger 3	A	0-4	Dark Brown (7.5YR 3/4) sandy loam	2
	BA	4-20	Brown (7.5YR 4/4) sandy loam	2
	Bt	20-36	Dark Red (2.5YR 3/6) clay loam	3
	BC	36-50	Red (2.5YR 4/6) loam with many mica flakes	2
	C	50-84	Yellowish Red (5YR 5/8) sandy loam with many mica flakes	2



**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 3**Acreage:** 2.782

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	12	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	6	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	50	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	53	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



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 Subdivision: Sanctuary Village  
 Acreage: 0.648

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 4

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 12 %
3. Depth to rock/impervious strata: Max. >90" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 66" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/1/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot: 4**

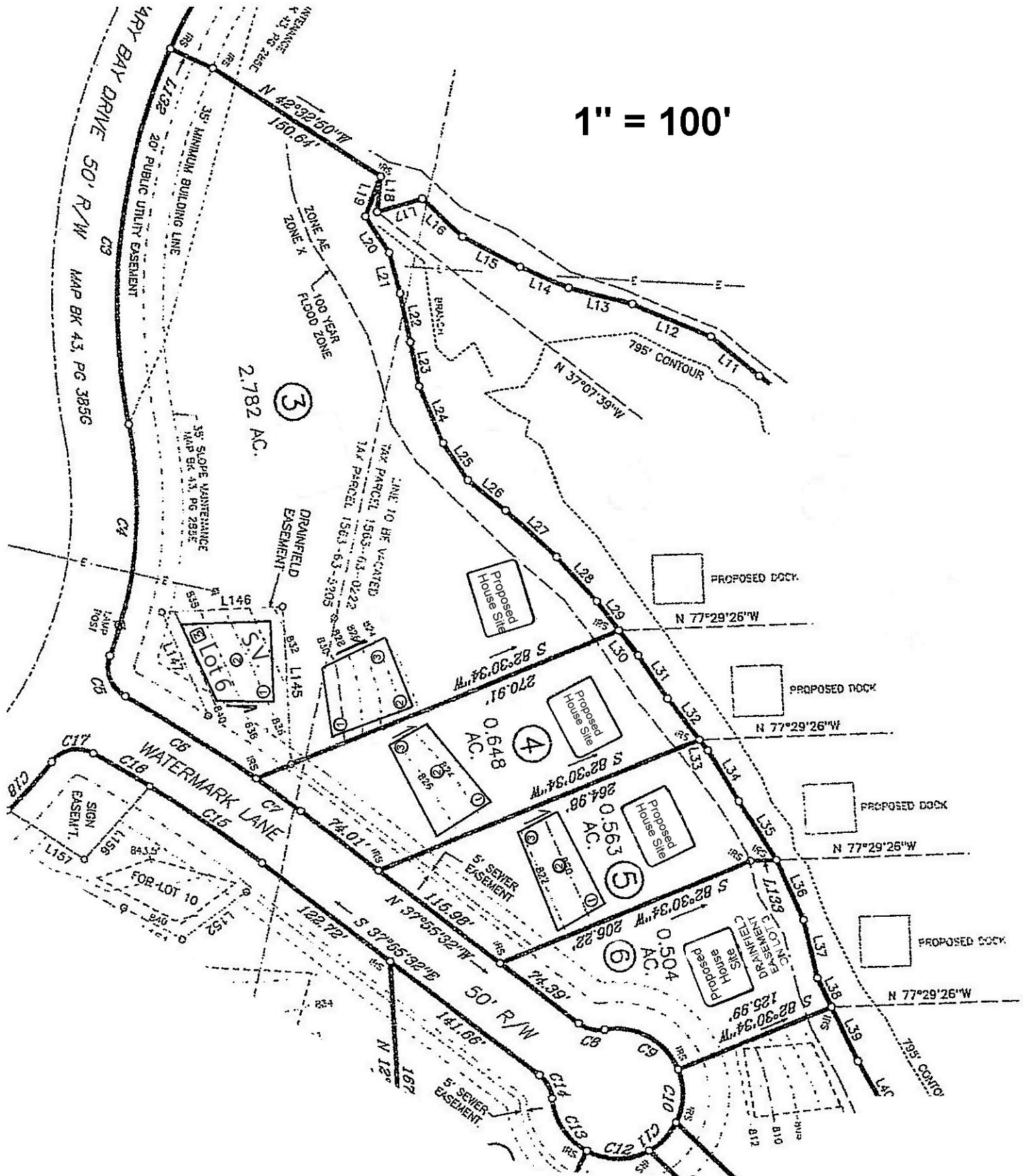
**Acreage:** 0.648

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-1	Brown (7.5YR 4/4) sandy loam	2
	BA	1-8	Yellowish Red (5YR 5/8) sandy loam	2
	Bt	8-24	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	24-50	Yellowish Red (5YR 4/6) channery loam with many mica flakes; 15% coarse fragments	2
	C	50-90	Brown (7.5YR 4/4) channery sandy loam with many mica flakes; 15% coarse fragments	2
Auger 2	A	0-2	Dark Brown (7.5YR 3/4) sandy loam	2
	BA	2-8	Yellowish Red (5YR 4/6) sandy loam	2
	Bt	8-24	25yr36 silty clay loam	3
	BC	24-40	Red (2.5YR 4/8) loam	2
	C1	40-55	Red (2.5YR 4/6) loam with many mica flakes	2
	C2	55-90	Red (2.5YR 4/6) sandy loam with many mica flakes	2
Auger 3	A	0-2	Dark Brown (7.5YR 3/4) sandy loam	2
	BA	2-8	Brown (7.5YR 4/4) sandy loam	2
	Bt	8-24	Red (2.5YR 4/6) clay loam	3
	BC	24-55	Red (2.5YR 4/6) loam	2
	C	55-90	Red (2.5YR 4/6) loam with many mica flakes	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 4**Acreage:** 0.648

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	12	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A





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 Subdivision: Sanctuary Village  
 Acreage: 0.563

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 5

### Soil Information Summary

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 10 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:

- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 54" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/1/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:** **Subdivision:** Sanctuary Village **Lot:** 5 **Acreage:** 0.563

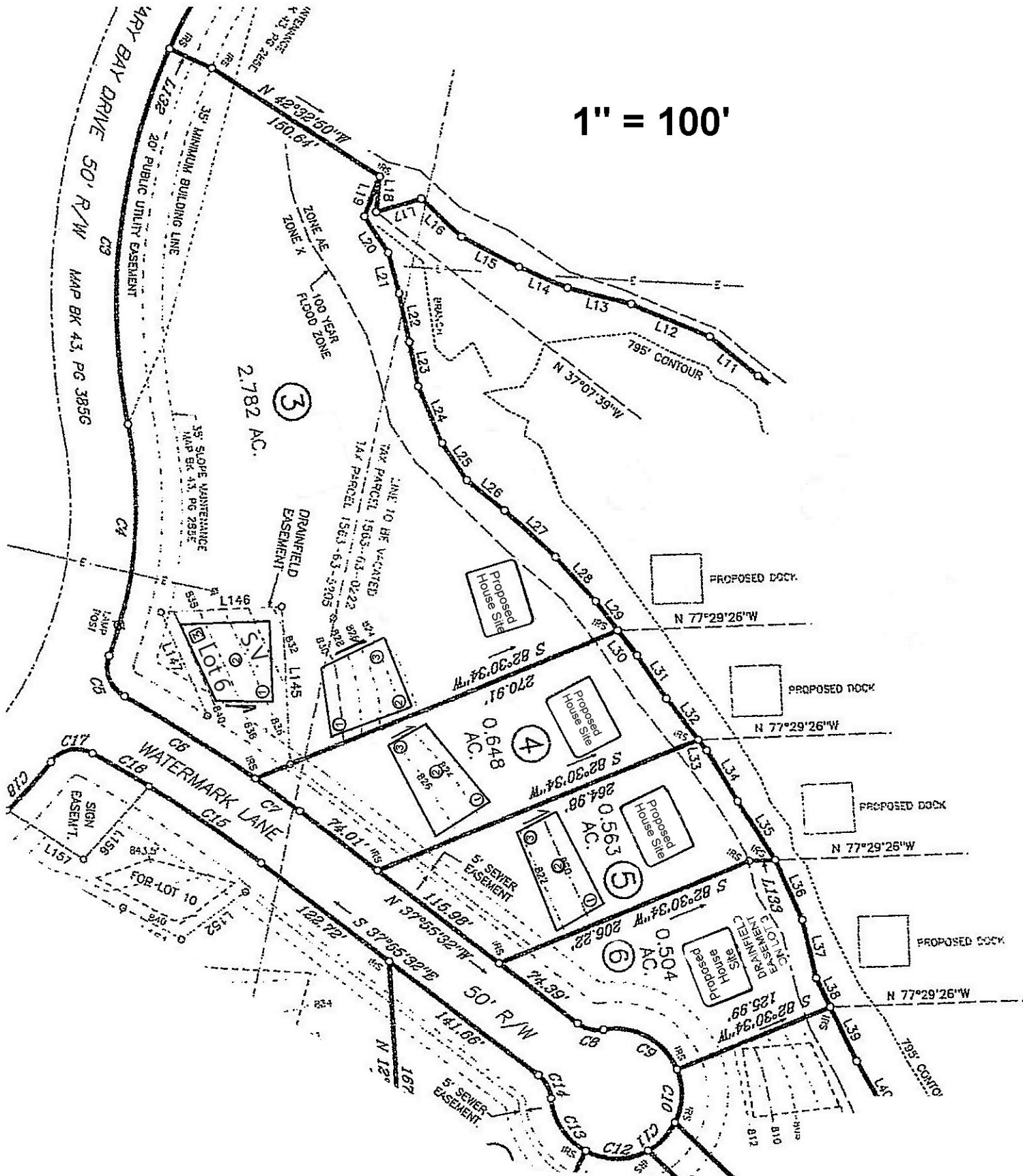
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-5	Brown (7.5YR 4/4) sandy loam	2
	BA	5-12	Reddish Brown (5YR 4/4) clay loam	3
	Bt	12-34	Dark Red (2.5YR 3/6) clay loam	3
	BC	34-60	Red (2.5YR 4/6) loam with many mica flakes	2
	C	60-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2
Auger 2	A	0-2	Brown (7.5YR 4/4) sandy loam	2
	BA	2-15	Yellowish Red (5YR 5/8) sandy loam	2
	Bt	15-28	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	28-42	Dark Red (2.5YR 3/6) loam with many mica flakes	2
	C	42-84	Brown (7.5YR 4/4) channery sandy loam with many mica flakes; 15% coarse fragments	2
Auger 3	A	0-4	Brown (7.5YR 4/4) sandy loam	2
	Bt	4-15	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	15-42	Red (2.5YR 4/8) sandy loam with many mica flakes	2
	C	42-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2



**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 5**Acreage:** 0.563

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	10	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	54	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 0.504

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 6

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 10 %
3. Depth to rock/impervious strata: Max. >120" Min. 77" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 54" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield (located in easement on Sanctuary Village Lot 3). This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

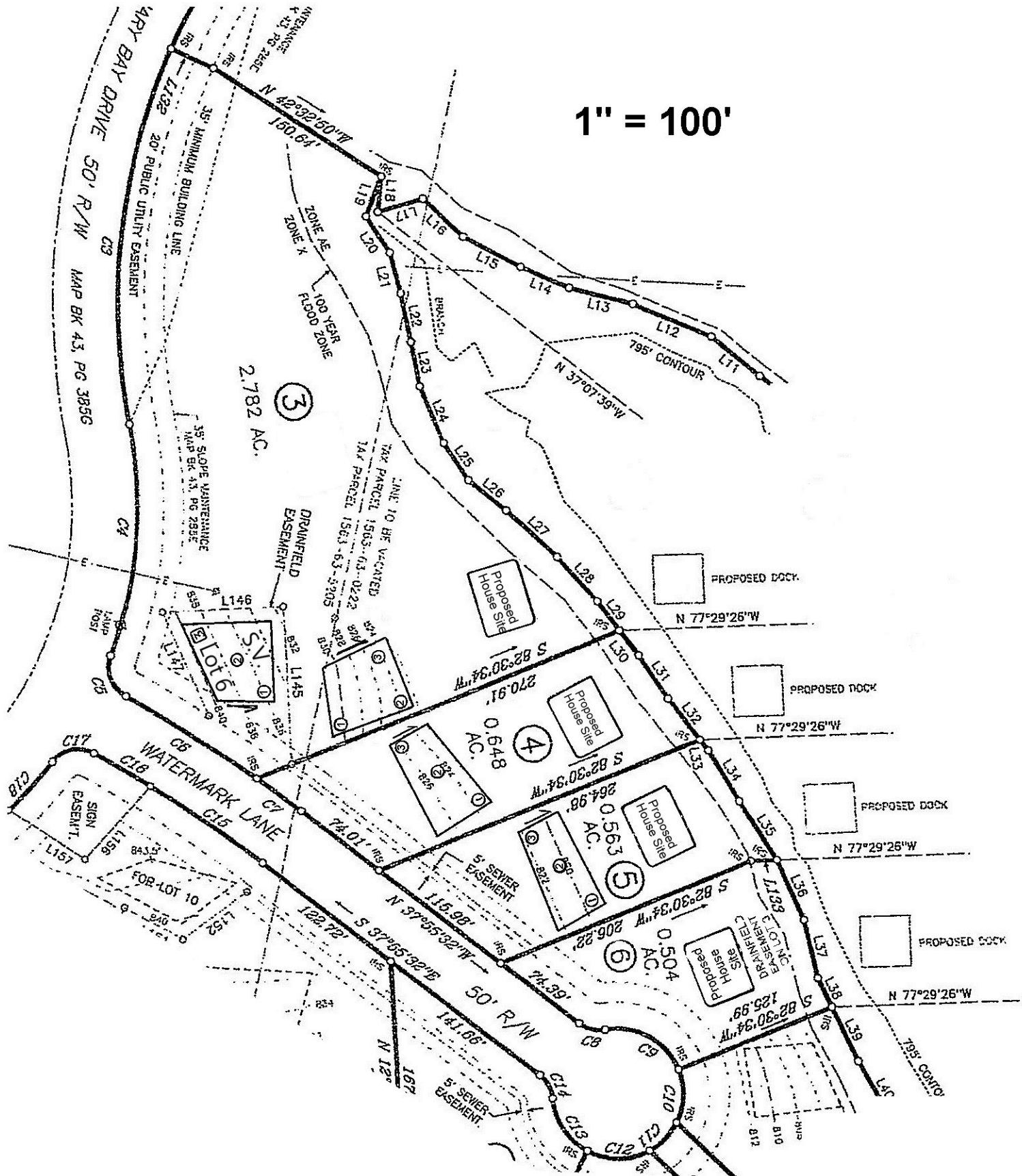
- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)



**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 6**Acreage:** 0.504

Main DF		Reserve DF	
Type of system	Pump to DF Easement	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	10	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	5	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	60	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	43	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	54	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 0.633

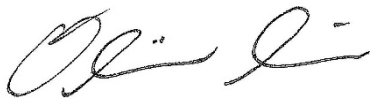
Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 7

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 14 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 60" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/30/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 7      **Acreage:** 0.633

**Lot: 7**

**Acreage:** 0.633

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-1	Dark Brown (7.5YR 3/3) sandy loam	2
	BA	1-5	Reddish Brown (5YR 4/4) loam	2
	Bt	5-20	Red (2.5YR 4/6) silty clay loam	3
	BC	20-30	Dark Red (2.5YR 3/6) loam	2
	C	30-84	Red (2.5YR 4/8) sandy loam	2
Auger 2	A	0-2	Brown (7.5YR 4/4) sandy loam	2
	BA	2-8	Reddish Brown (5YR 4/4) loam	2
	Bt	8-28	Red (2.5YR 4/6) silty clay loam	3
	C1	28-52	Brown (7.5YR 4/4) sandy loam with many mica flakes	2
	C2	52-84	Dark Red (2.5YR 3/6) loam with many mica flakes	2
Auger 3	A	0-1	Dark Brown (7.5YR 3/3) sandy loam	2
	BA	1-10	Reddish Brown (5YR 4/4) loam	2
	Bt	10-30	Red (2.5YR 4/6) silty clay loam	3
	BC	30-45	Dark Red (2.5YR 3/6) loam	2
	C	45-84	Red (2.5YR 4/8) sandy loam	2

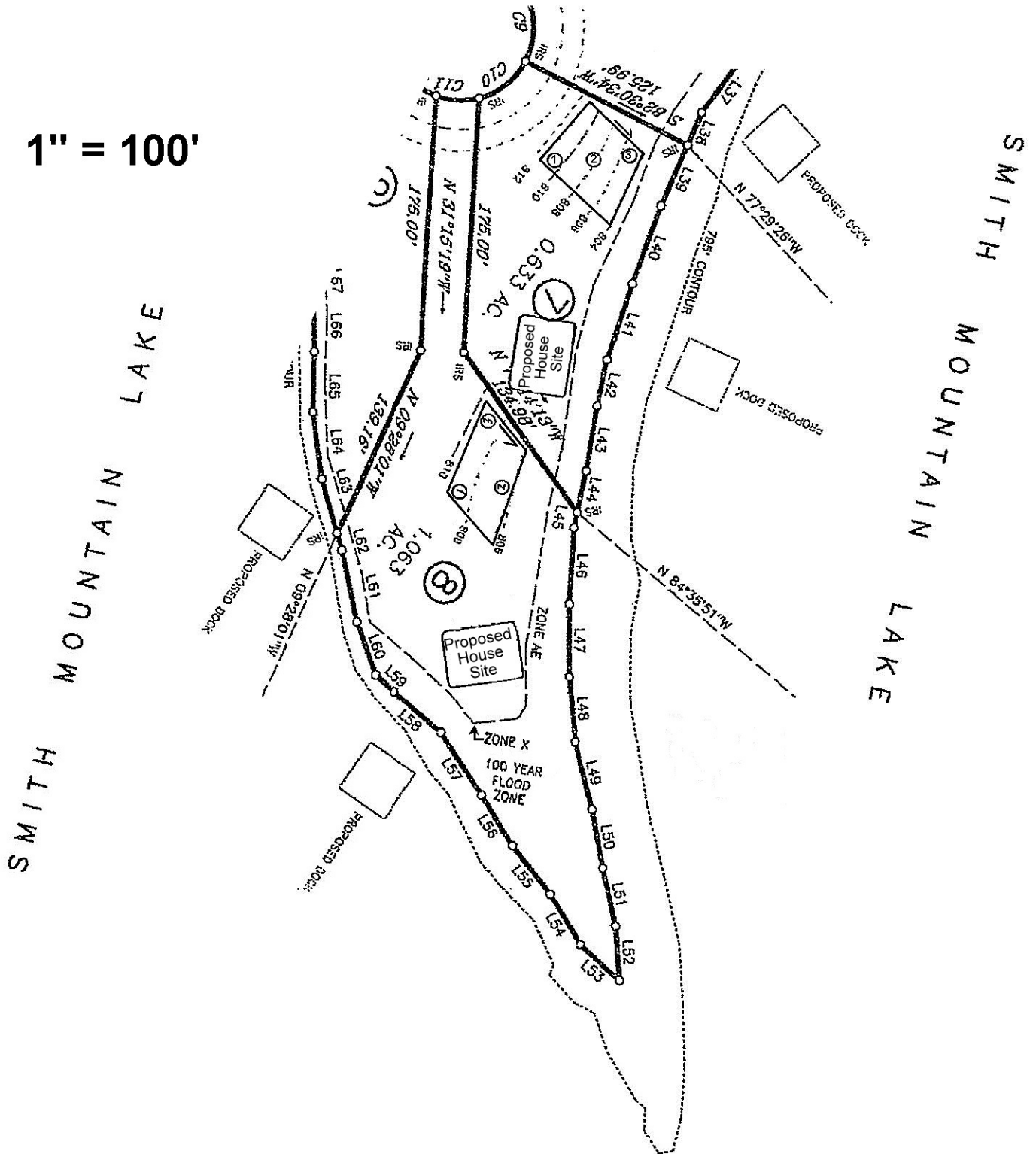


# **DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 7**Acreage:** 0.633

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	14	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	6	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	50	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	53	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	60	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 1.063

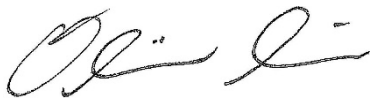
Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 8

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 7 %
3. Depth to rock/impervious strata: Max. >86" Min. 80" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 30 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 62" depth at site designated. Site provides a total of 780 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/27/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:** **Subdivision:** Sanctuary Village **Lot:** 8 **Acreage:** 1.063

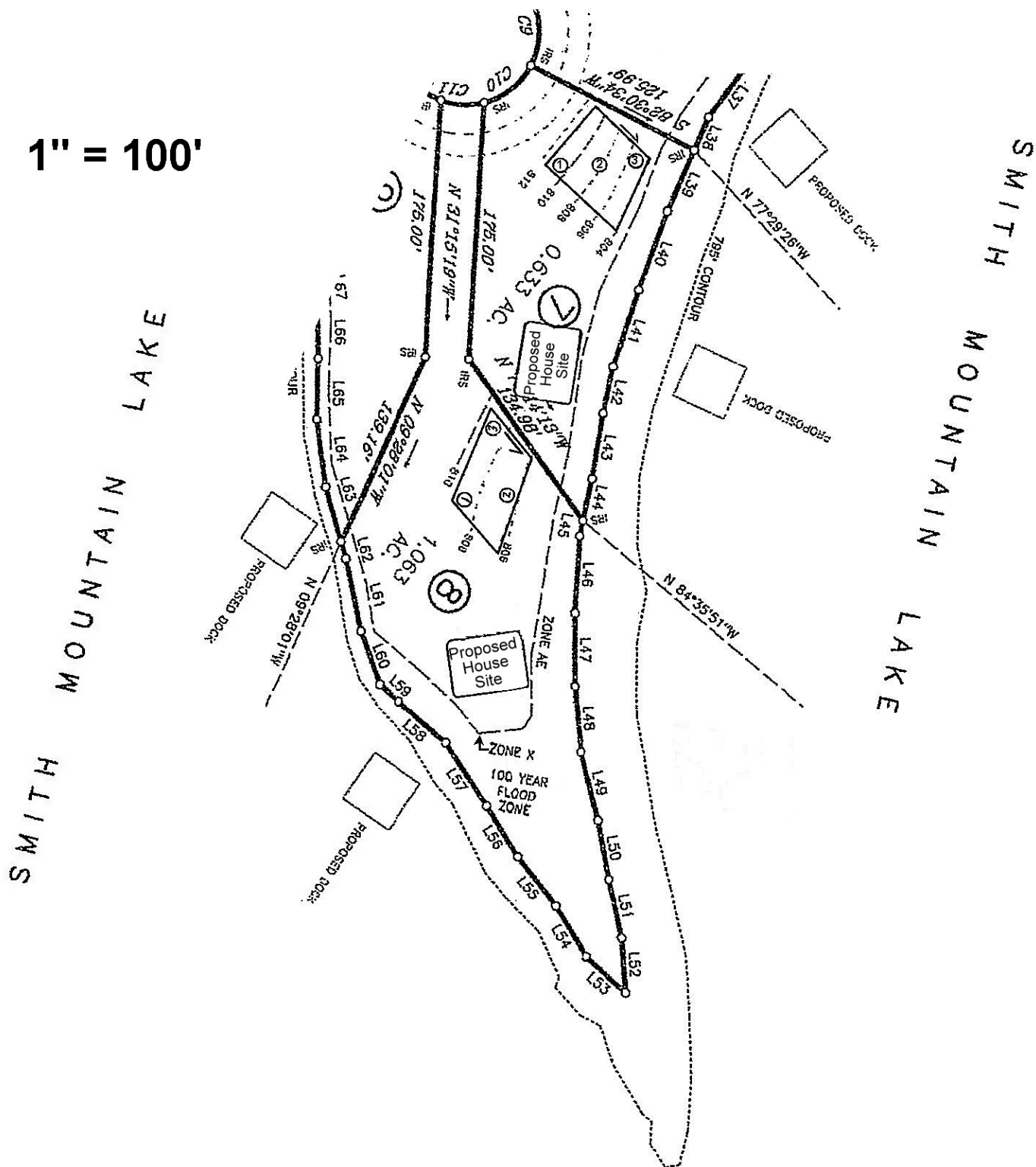
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-6	Dark Brown (7.5YR 3/4) loam	2
	BA	6-15	Yellowish Red (5YR 5/8) loam with many mica flakes	2
	Bt	15-30	Yellowish Red (5YR 4/6) clay loam	2
	C	30-86	Reddish Brown (5YR 4/4) sandy loam with many mica flakes	2
Auger 2	A	0-10	Brown (7.5YR 4/4) sandy loam	2
	Bt	10-28	Dark Red (2.5YR 3/6) clay loam	3
	BC	28-38	Yellowish Red (5YR 4/6) loam	2
	C1	38-50	Yellowish Red (5YR 4/6) loam with many mica flakes	2
	C2	50-84	Brown (7.5YR 4/4) sandy loam with many mica flakes	2
Auger 3	A	0-2	Brown (7.5YR 4/4) sandy loam	2
	Bt	2-12	Red (2.5YR 4/6) clay loam	3
	BC	12-30	Red (2.5YR 4/6) loam	2
	C1	30-42	Yellowish Red (5YR 4/6) sandy loam	2
	C2	42-80	Red (2.5YR 4/8) sandy loam	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 8**Acreage:** 1.063

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	30	Type of Reserve	N/A
Slope %	7	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	260	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	260	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	780	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	780	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	65	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	62	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 0.524

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 9

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 24 %
3. Depth to rock/impervious strata: Max. 70" Min. 64" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall AOSE/PSS

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 42" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield (located in easement on Sanctuary Village – Lot 11) . This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/4/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 9      **Acreage:** 0.524

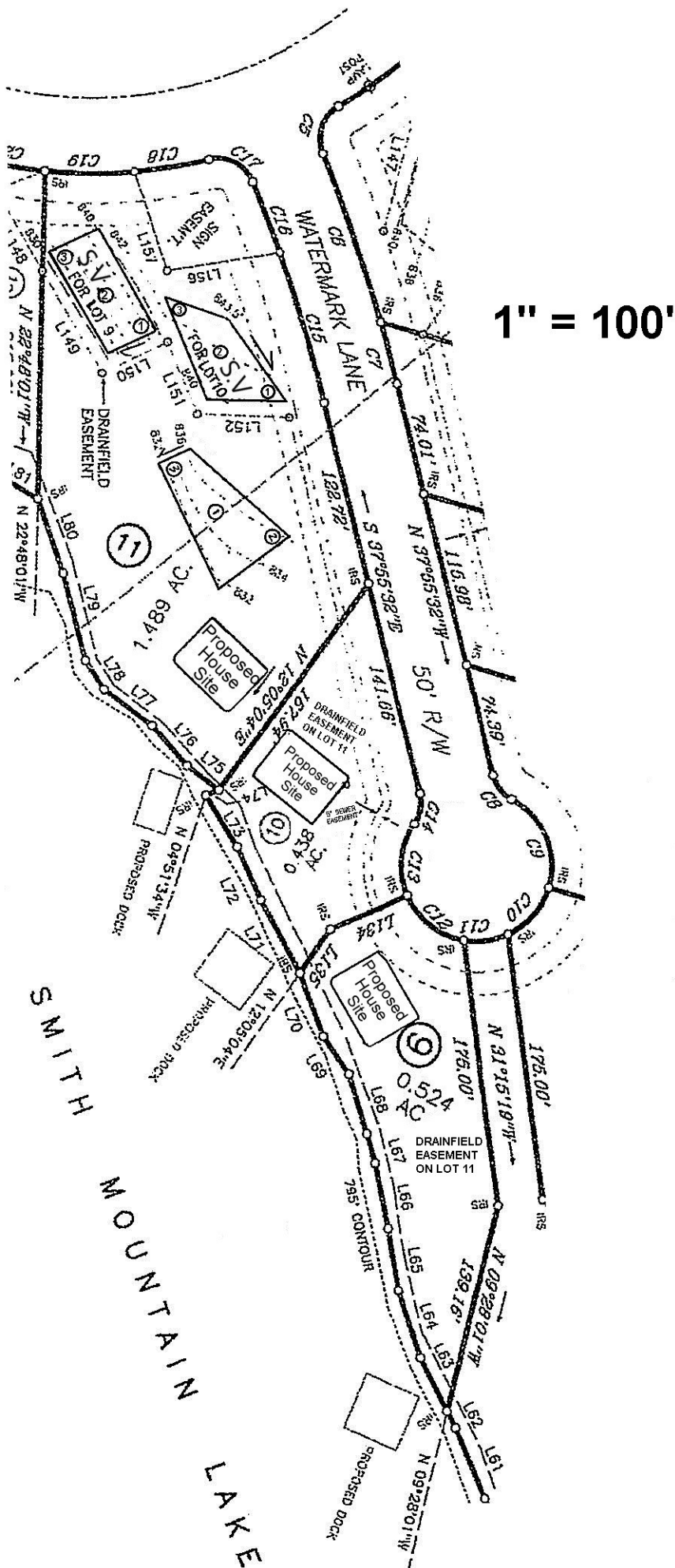
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	Bt	0-18	Red (2.5YR 5/8) clay loam	3
	C1	18-54	Yellowish Red (5YR 5/8) loam with many mica flakes	2
	C2	54-70	Strong Brown (7.5YR 5/6) loam with many mica flakes	2
Auger 2	Bt	0-8	Red (2.5YR 5/8) clay loam	3
	BC	8-28	Reddish Yellow (7.5YR 6/8) channery loam with many mica flakes; 15% coarse fragments	2
	C	28-66	Red (10R 5/6) loam with many mica flakes	2
Auger 3	Bt	0-16	Red (2.5YR 5/8) channery clay loam; 15% coarse fragments	3
	C	16-64	Strong Brown (7.5YR 5/6) loam with many mica flakes	2



**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 9**Acreage:** 0.524

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump to DF Easement	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	24	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	11	Width in Design (ft.)	N/A
Width Required (ft.)	36	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	42	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 0.438

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 10

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 8 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall AOSE/PSS

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 66" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield (located in easement on Sanctuary Village – Lot 11) . This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/4/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

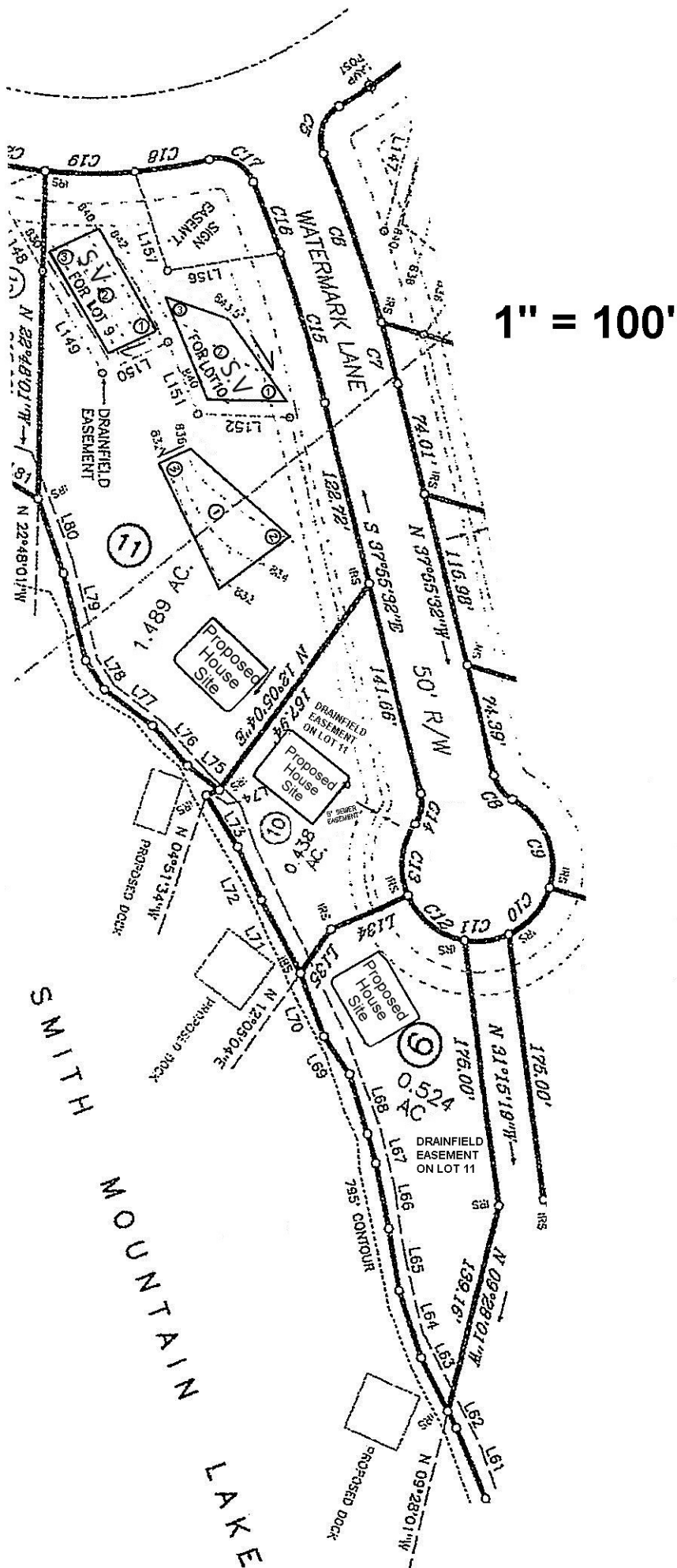
**Subdivision:** Sanctuary Village      **Lot:** 10      **Acreage:** 0.438

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-1	Brown (7.5YR 4/4) sandy loam	2
	Bt	1-18	Yellowish Red (5YR 5/8) clay loam	3
	C1	18-50	Yellowish Red (5YR 4/6) channery loam with many mica flakes; 15% coarse fragments	2
	C2	50-70	Red (2.5YR 5/8) channery loam with many mica flakes; 15% coarse fragments	2
	C3	70-84	Brown (7.5YR 4/4) channery loam with many mica flakes; 15% coarse fragments	2
Auger 2	A	0-3	Dark Brown (7.5YR 3/4) sandy loam	2
	Bt	3-30	Dark Red (2.5YR 3/6) clay loam	3
	BC	30-60	Yellowish Red (5YR 4/6) loam	2
	C	60-84	Red (10R 4/6) sandy loam with many mica flakes	2
Auger 3	A	0-3	Dark Brown (7.5YR 3/4) loam	2
	BA	3-20	Yellowish Red (5YR 4/6) loam	2
	Bt	20-45	Dark Red (2.5YR 3/6) clay loam	3
	BC	45-84	Red (2.5YR 4/8) loam	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 10**Acreage:** 0.438

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump to DF Easement	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	8	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	6	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	50	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	53	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
Applicant: Plyler Properties, Inc  
Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
Subdivision: Sanctuary Village  
Acreage: 1.489

Pittsylvania County Health Department  
Telephone #: (540) 537-3865 **Erik Plyler**  
Lot: 11

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 23 %
3. Depth to rock/impervious strata: Max. 72" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
No ☐ Estimated rate 30 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
No ☒ Depth of percolation test holes  
Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 48" depth at site designated. Site provides a total of 810 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/27/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 11      **Acreage:** 1.489

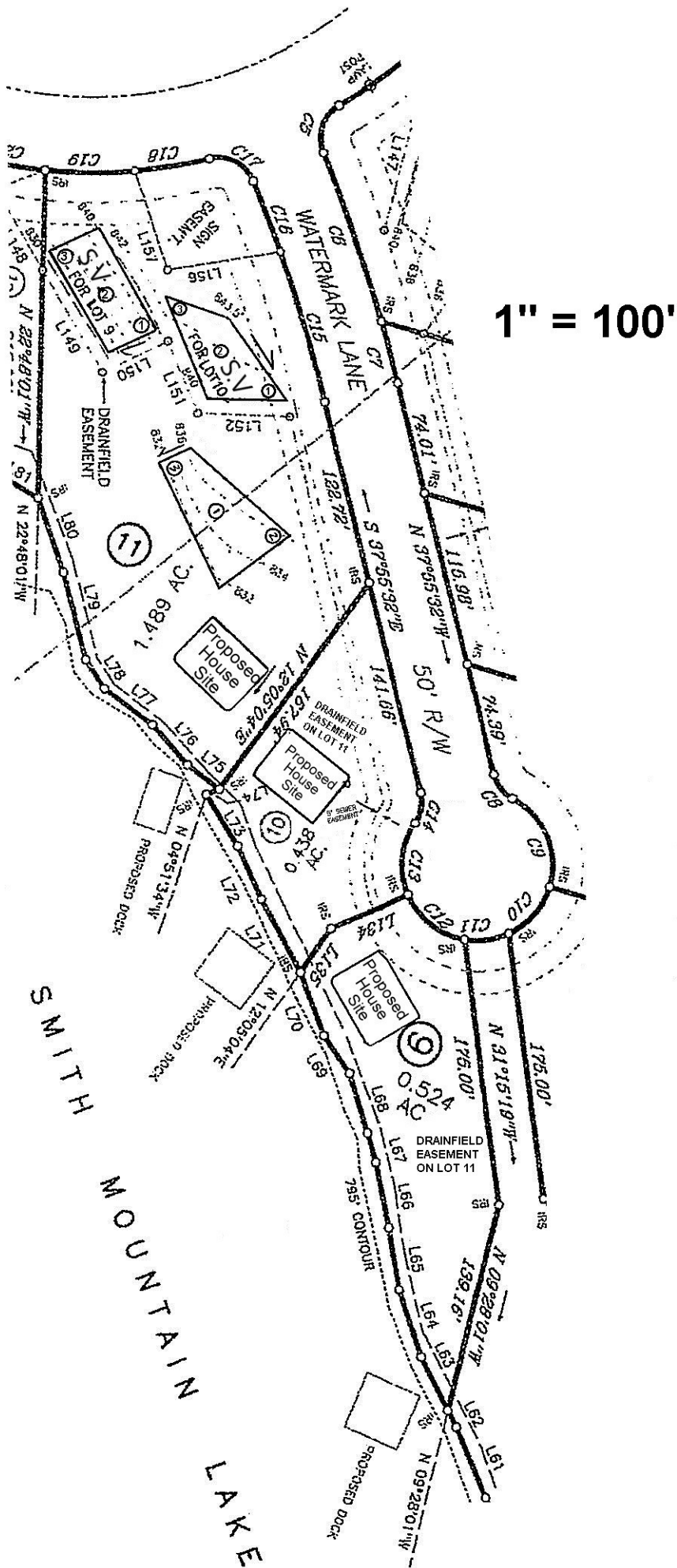
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-4	Dark Brown (7.5YR 3/2) sandy loam	2
	Bt	4-15	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	15-36	Yellowish Red (5YR 4/6) loam with many mica flakes	2
	C	36-72	Reddish Brown (5YR 4/4) sandy loam with many mica flakes	2
Auger 2	A	0-1	Dark Brown (7.5YR 3/2) sandy loam	2
	BA	1-12	Yellowish Red (5YR 5/6) sandy loam	2
	Bt	12-24	Dark Red (2.5YR 3/6) silty clay loam	3
	C1	24-72	Brown (7.5YR 4/4) channery sandy loam with many mica flakes; 15% coarse fragments	2
Auger 3	A	0-1	Dark Brown (7.5YR 3/2) sandy loam	2
	BA	1-5	Yellowish Red (5YR 5/6) sandy loam	2
	Bt	5-24	Dark Red (2.5YR 3/6) silty clay loam	3
	C1	24-72	Reddish Brown (5YR 4/4) sandy loam with many mica flakes	2



**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 11**Acreage:** 1.489

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	30	Type of Reserve	N/A
Slope %	23	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	260	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	270	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	780	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	810	Line Length (ft.)	N/A
# Lines Installed	3	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	90	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	23	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	48	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 4.124

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 12

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 16 %
3. Depth to rock/impervious strata: Max. >108" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 90" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/29/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot:** 12

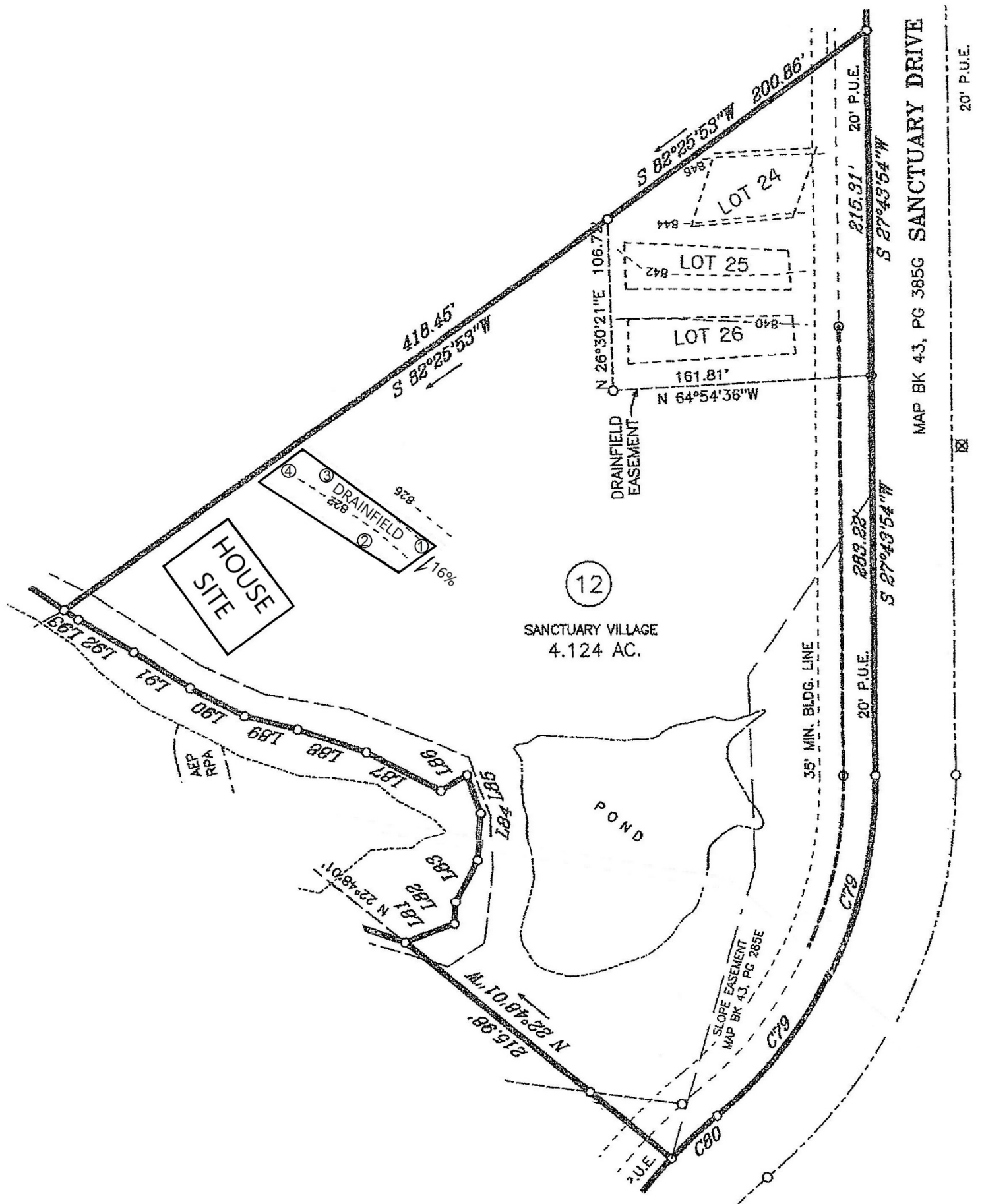
**Acreage:** 4.124

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-2	Dark Brown (7.5YR 3/3) Loam	2
	BA	2-6	Brown (7.5YR 5/4) Loam	2
	Bt	6-36	Red (2.5YR 5/8) Clay	4
	C1	36-48	Yellowish Brown (10YR 5/6) Loam w/ many mica flakes; 10% Phyllite Channers	2
	C2	48-74	Red (2.5YR 5/6) Loam w/ many mica flakes	2
	C3	74-108	Yellowish Red (5YR 5/6) Loam w/ many mica flakes	2
	Auger 2	A	0-1	Dark Brown (7.5YR 3/3) gravelly Loam; 15% coarse fragments
BA		1-6	Brown (7.5YR 5/4) Loam	2
Bt		6-40	Red (2.5YR 5/8) Clay	4
BC		40-50	Yellowish Red (5YR 5/6) Clay Loam	3
C1		50-76	Reddish Yellow (5YR 6/8) Loam	2
C2		76-108	Reddish Yellow (7.5YR 6/8) Sandy Loam	2
Auger 3		A	0-2	Dark Brown (7.5YR 3/3) gravelly Loam; 15% coarse fragments
	BA	2-8	Brown (7.5YR 5/4) Loam	2
	Bt	8-42	Red (2.5YR 5/8) Clay	4
	BC	42-66	Yellowish Red (5YR 5/6) Clay Loam	3
	C	66-108	Reddish Yellow (7.5YR 6/8) Sandy Loam	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 12**Acreage:** 4.124

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	16	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	3	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	100	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	23	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	90	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A



**SETEC**

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**E-mail: setec@soilandenvironmentaltechnology.com**

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 Subdivision: Sanctuary Village  
 Acreage: 1.728

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 13

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 10 %
3. Depth to rock/impervious strata: Max. >100" Min. 86" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 60" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/27/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 13      **Acreage:** 1.728

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-3	Brown (7.5YR 4/3) sandy loam	2
	BA	3-12	Brown (7.5YR 5/4) sandy loam	2
	Bt	12-30	Red (2.5YR 5/8) clay loam	3
	BC	30-48	Yellowish Red (5YR 5/8) sandy clay loam	2
	C	48-86	Yellowish Red (5YR 5/8) sandy loam with many mica flakes	2
Auger 2	A	0-2	Brown (7.5YR 4/3) sandy loam	2
	BA	2-6	Brown (7.5YR 5/4) sandy loam	2
	Bt	6-30	Red (2.5YR 5/8) clay loam	3
	BC	30-48	Yellowish Red (5YR 5/8) sandy clay loam	2
	C1	48-84	Yellowish Red (5YR 5/8) sandy loam with many mica flakes	2
	C2	84-100	Reddish Yellow (7.5YR 6/8) sandy loam with many mica flakes	2
Auger 3	A	0-4	Brown (7.5YR 4/3) sandy loam	2
	BA	4-10	Brown (7.5YR 5/4) sandy loam	2
	Bt	10-30	Yellowish Red (5YR 5/8) sandy clay loam	2
	C1	30-74	Yellowish Red (5YR 5/8) sandy loam with many mica flakes	2
	C2	74-88	Reddish Yellow (7.5YR 6/8) sandy loam with many mica flakes	2

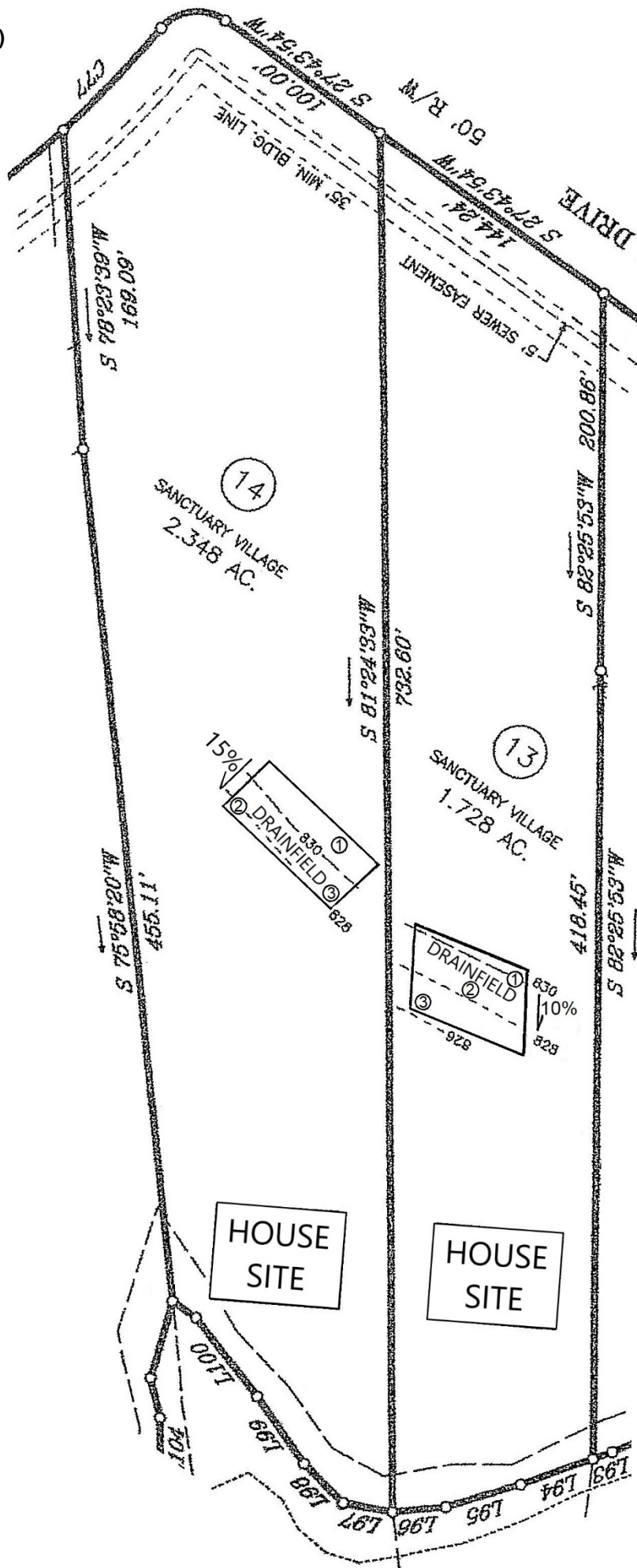


**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 13**Acreage:** 1.728

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	10	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	5	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	60	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	43	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	60	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 80'



# SETEC

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

## General Information

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 2.348

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 14

## Soil Information Summary

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 15 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 60" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/20/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot:** 14

**Acreage:** 2.348

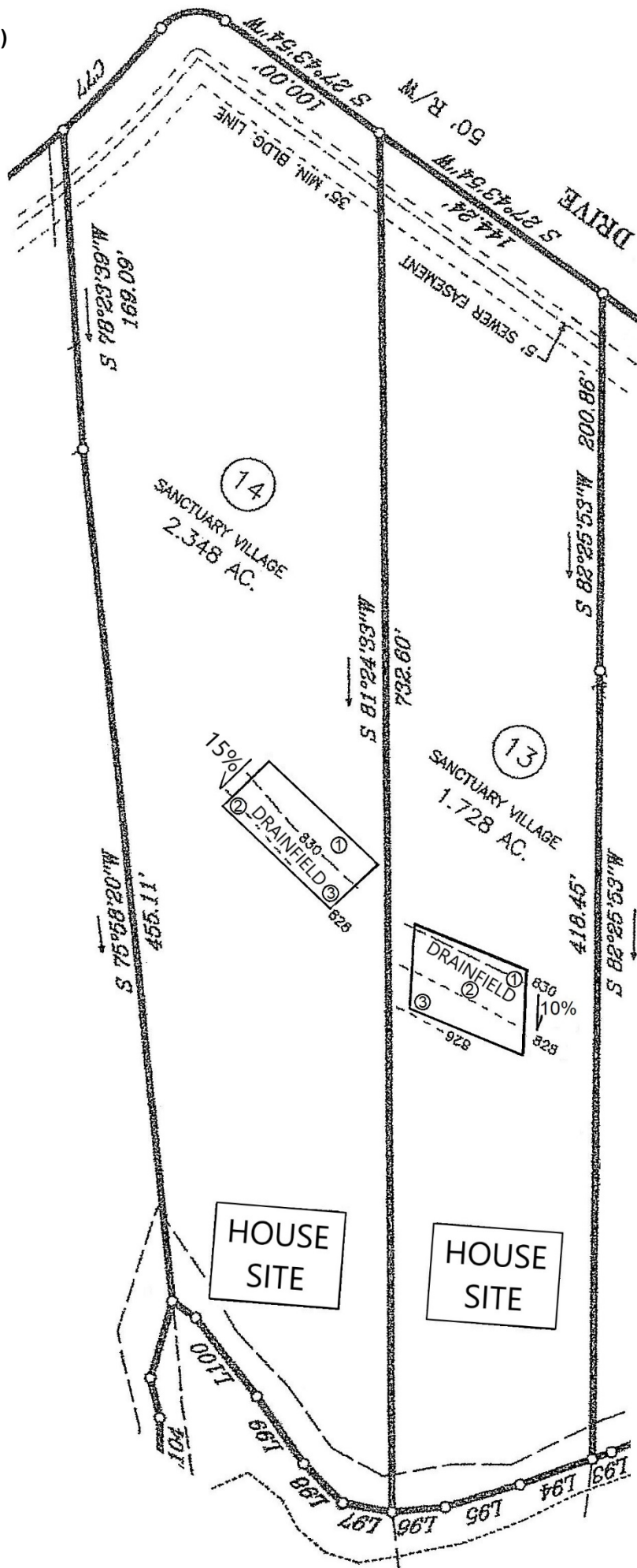
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-4	Brown (7.5YR 4/4) sandy loam	2
	BA	4-12	Reddish Brown (5YR 4/4) loam	2
	Bt	12-36	Yellowish Red (5YR 4/6) clay loam	3
	BC	36-50	Red (2.5YR 4/6) loam	2
	C	50-84	Red (2.5YR 4/6) gravelly sandy loam with many mica flakes; 15% coarse fragments	2
Auger 2	A	0-1	Brown (7.5YR 4/3) sandy loam	2
	Bt	1-15	Red (2.5YR 4/6) clay loam	3
	BC	15-30	Reddish Brown (2.5YR 4/4) channery sandy loam with many mica flakes; 15% coarse fragments	2
	C	30-84	Yellowish Red (5YR 4/6) channery sandy loam with many mica flakes; 15% coarse fragments	2
Auger 3	A	0-3	Brown (7.5YR 4/4) sandy loam	2
	BA	3-12	Reddish Brown (5YR 4/4) loam	2
	Bt	12-30	Yellowish Red (5YR 4/6) clay loam	3
	BC	30-42	Red (2.5YR 4/6) loam	2
	C	42-84	Red (2.5YR 4/6) gravelly sandy loam with many mica flakes; 15% coarse fragments	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 14**Acreage:** 2.348

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	15	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	60	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 80'



**SETEC**

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**General Information**

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 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 2.617

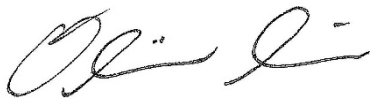
Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 15

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 14 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: Olivia Simpson AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 60" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/17/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot:** 15

**Acreage:** 2.617

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-4	Reddish Brown (5YR 4/3) sandy loam	2
	Bt	4-24	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	24-30	Yellowish Red (5YR 4/6) loam with many mica flakes	2
	C1	30-50	Strong Brown (7.5YR 4/6) loam with many mica flakes	2
	C2	50-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2
Auger 2	A	0-1	Reddish Brown (5YR 4/3) sandy loam	2
	BA	1-8	Strong Brown (7.5YR 4/6) loam	2
	Bt	8-24	Dark Red (2.5YR 3/6) silty clay loam	3
	BC	24-30	Red (2.5YR 4/6) sandy clay loam	2
	C	30-84	Red (2.5YR 4/6) sandy loam	2
Auger 3	A	0-1	Reddish Brown (5YR 4/3) sandy loam	2
	BA	1-10	Strong Brown (7.5YR 4/6) sandy loam	2
	Bt	10-30	Yellowish Red (5YR 4/6) silty clay loam	3
	C	30-84	Red (2.5YR 4/6) sandy loam	2

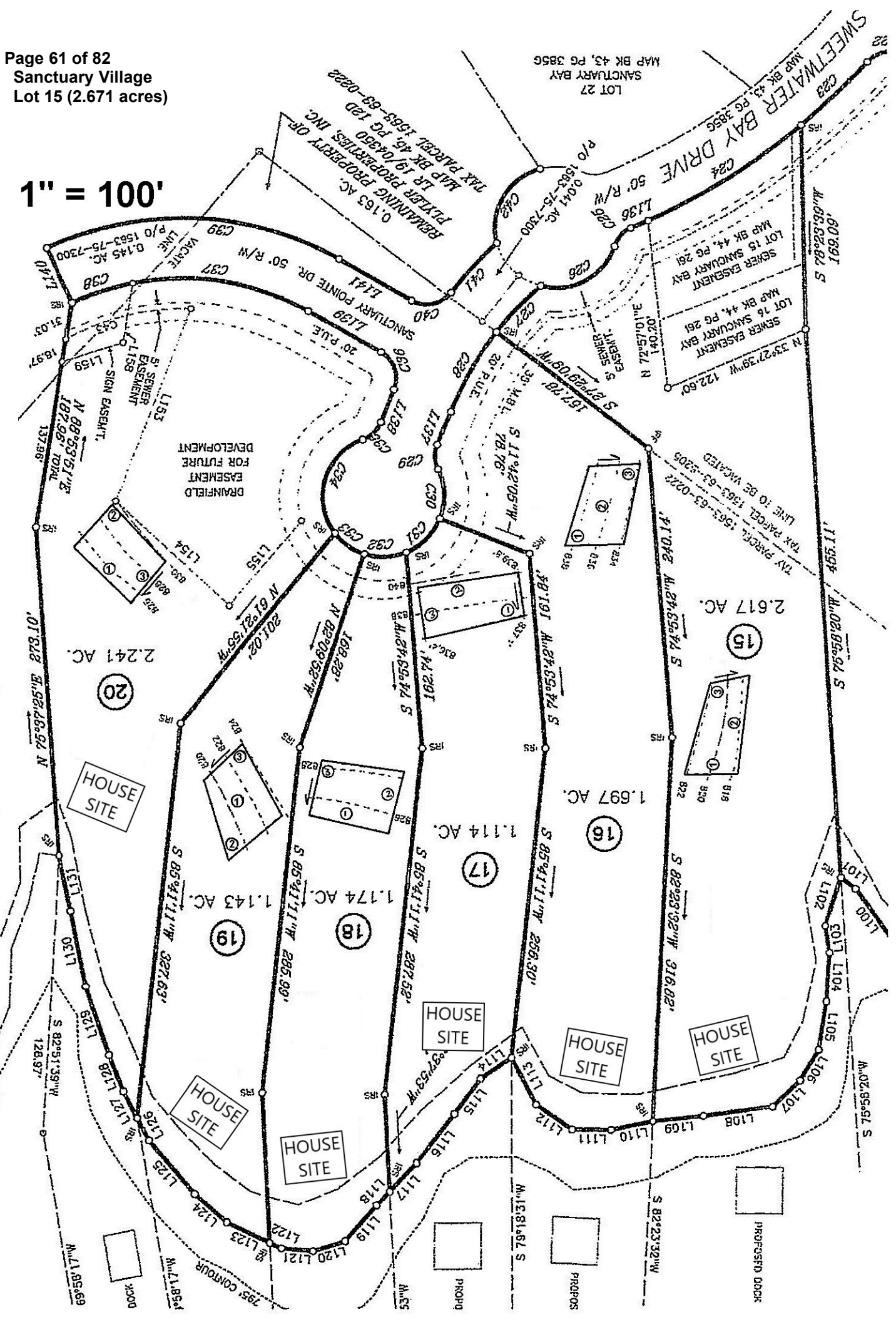


**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 15**Acreage:** 2.617

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	14	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	75	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	No	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	60	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
Applicant: Plyler Properties, Inc  
Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
Subdivision: Sanctuary Village  
Acreage: 1.697

Pittsylvania County Health Department  
Telephone #: (540) 537-3865 **Erik Plyler**  
Lot: 16

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 13 %
3. Depth to rock/impervious strata: Max. >84" Min. 78" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
No ☒ Depth of percolation test holes  
Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 60" depth at site designated. Site provides a total of 975 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/17/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 16      **Acreage:** 1.697

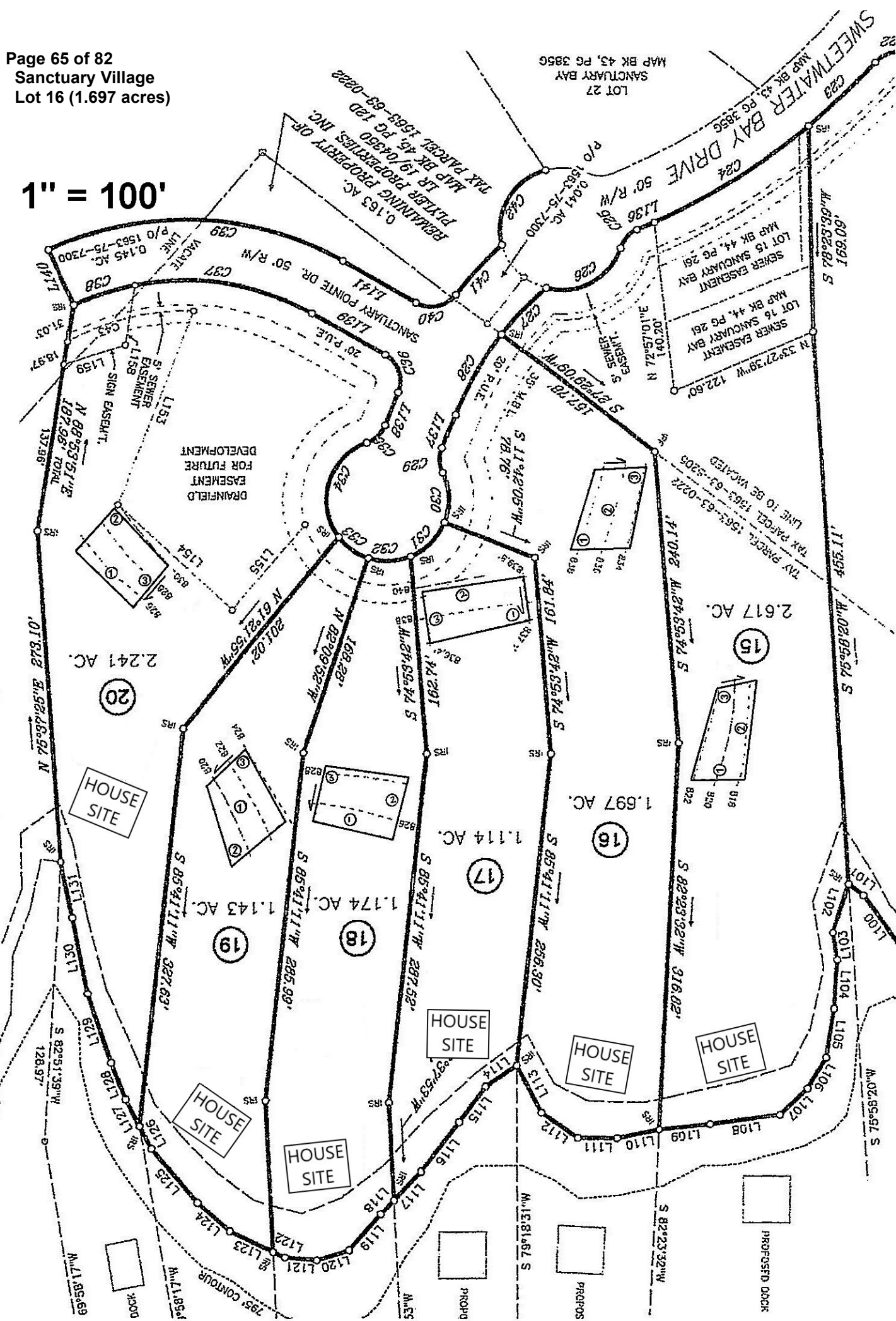
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-4	Brown (7.5YR 4/3) sandy loam	2
	BA	4-12	Yellowish Red (5YR 4/6) sandy loam	2
	Bt	12-30	Dark Red (2.5YR 3/6) clay loam; strong medium subangular blocky structure	3
	BC	30-84	Yellowish Red (5YR 4/6) sandy loam with many mica flakes	2
Auger 2	A	0-2	Brown (7.5YR 4/3) sandy loam	2
	BA	2-12	Yellowish Red (5YR 4/6) sandy loam	2
	Bt	12-40	Dark Red (2.5YR 3/6) clay loam; strong medium subangular blocky structure	3
	C1	40-60	Yellowish Red (5YR 4/6) sandy loam with many mica flakes	2
	C2	60-78	Reddish Brown (2.5YR 4/4) sandy loam with many mica flakes	2
Auger 3	A	0-4	Brown (7.5YR 4/3) sandy loam	2
	BA	4-16	Yellowish Red (5YR 4/6) sandy loam	2
	Bt	16-48	Dark Red (2.5YR 3/6) clay loam; strong medium subangular blocky structure	3
	C	48-78	Dark Reddish Brown (2.5YR 3/4) sandy loam with many mica flakes	2

# **DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 16**Acreage:** 1.697

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	13	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	325	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	975	Line Length (ft.)	N/A
# Lines Installed	5	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	65	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	43	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	60	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

**1" = 100'**



**SETEC**

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**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 1.114

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 17

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 8 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 66" depth at site designated. Site provides a total of 960 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	Oi	0-1	Very Dark Gray (7.5YR 3/1)	-
	BA	1-6	Strong Brown (7.5YR 5/8) loam	2
	Bt1	6-12	Yellowish Red (5YR 5/8) clay loam	3
	Bt2	12-50	Red (2.5YR 4/6) silty clay loam	3
	BC	50-84	Yellowish Red (5YR 4/6) loam with many mica flakes	2
Auger 2	Oi	0-1	Very Dark Gray (7.5YR 3/1)	-
	BA	1-6	Strong Brown (7.5YR 5/8) loam	2
	Bt1	6-12	Yellowish Red (5YR 5/8) clay loam	3
	Bt2	12-50	Red (2.5YR 4/6) silty clay loam	3
	BC	50-84	Yellowish Red (5YR 4/6) loam with many mica flakes	2
Auger 3	BA	1-6	Strong Brown (7.5YR 5/8) loam	2
	Bt1	6-12	Yellowish Red (5YR 5/8) clay loam	3
	Bt2	12-50	Red (2.5YR 4/6) silty clay loam	3
	BC	50-84	Yellowish Red (5YR 4/6) loam with many mica flakes	2

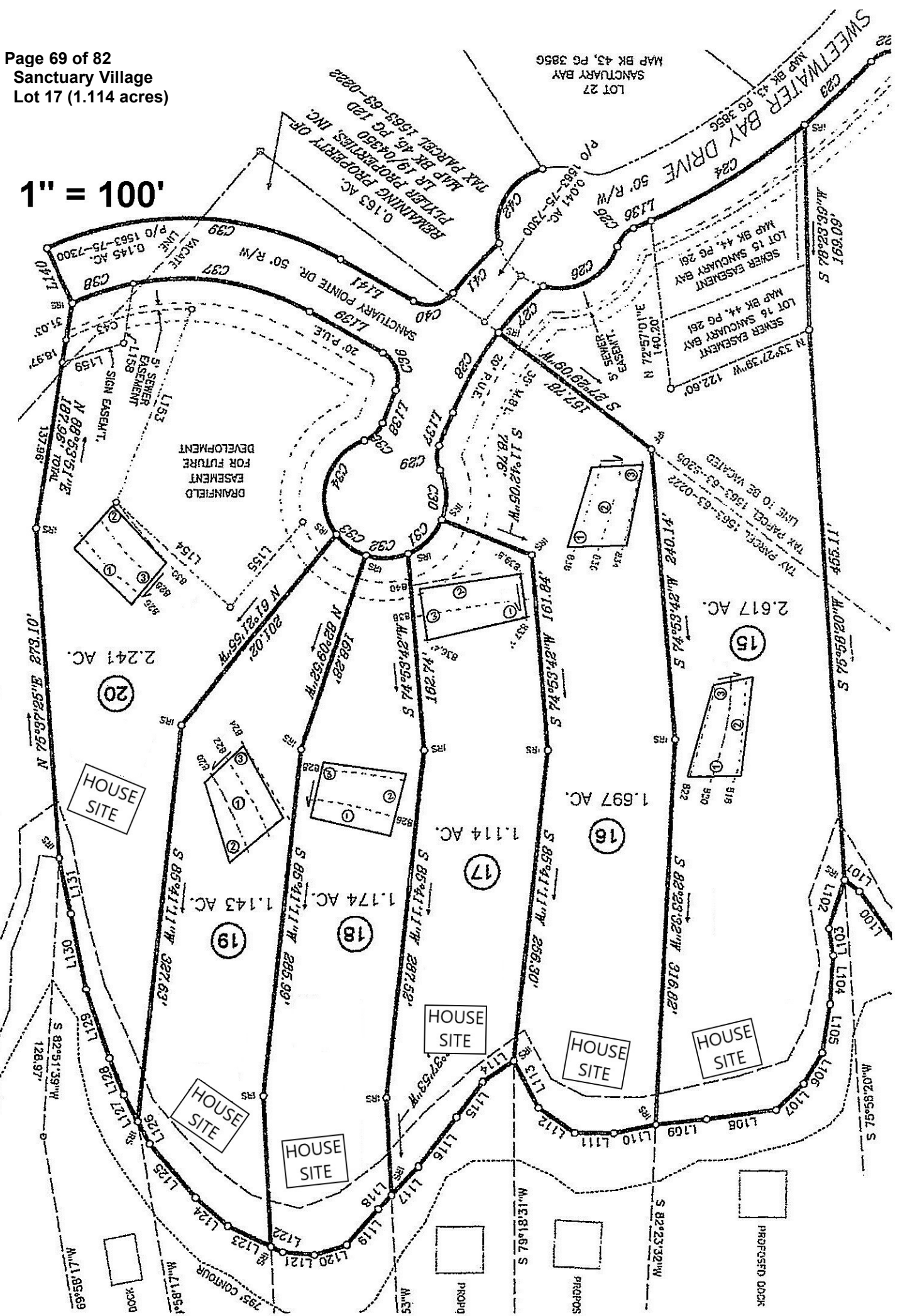


**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 17**Acreage:** 1.114

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	8	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	320	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	960	Line Length (ft.)	N/A
# Lines Installed	4	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	80	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	33	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
Applicant: Plyler Properties, Inc  
Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
Subdivision: Sanctuary Village  
Acreage: 1.174

Pittsylvania County Health Department  
Telephone #: (540) 537-3865 **Erik Plyler**  
Lot: 18

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 6 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
No ☒ Depth of percolation test holes  
Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent via pump to be placed at 66" depth at site designated. Site provides a total of 975 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/16/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 18      **Acreage:** 1.174

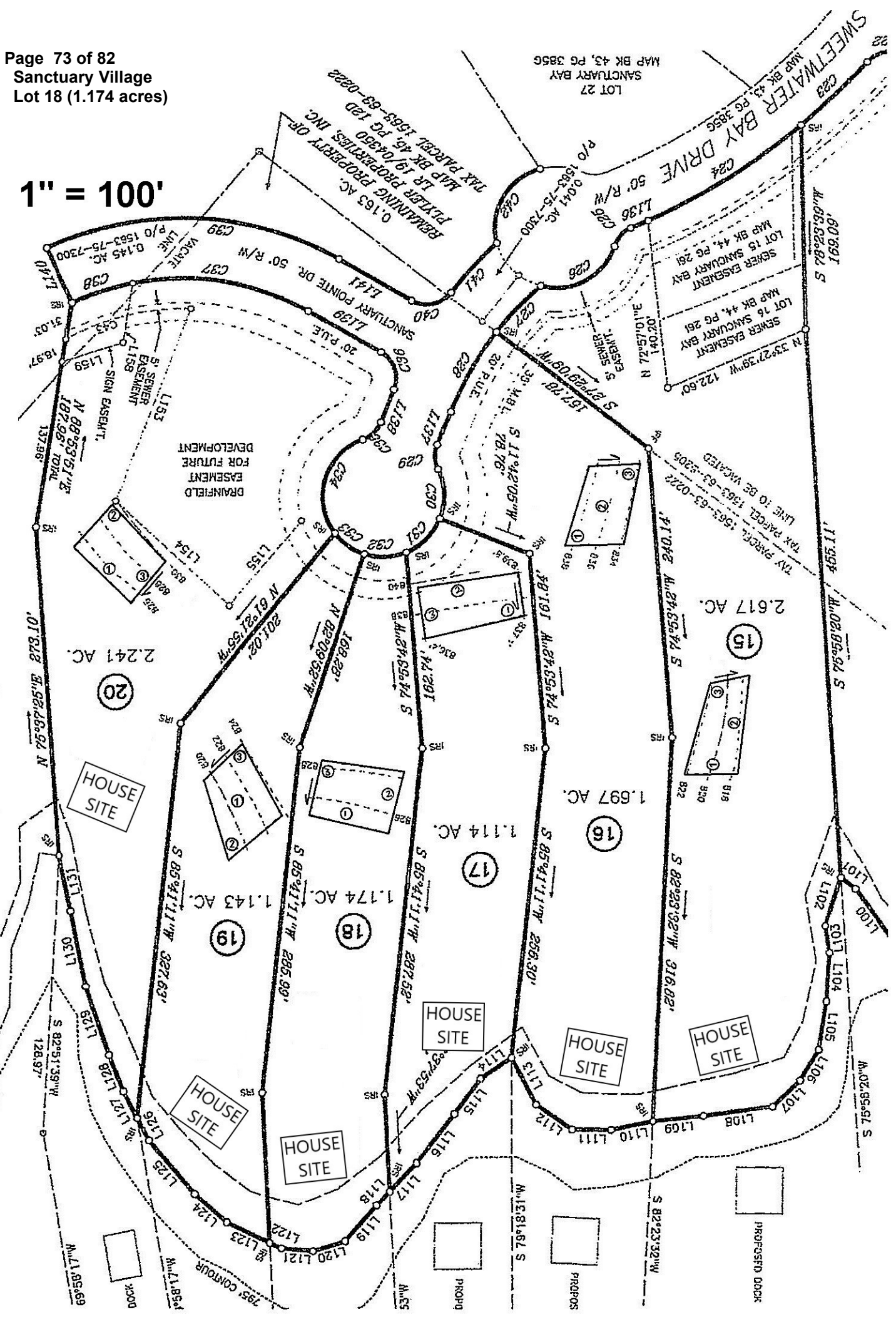
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	Oi	0-1	Very Dark Gray (7.5YR 3/1)	-
	Bt	1-12	Red (2.5YR 5/8) clay	4
	BC	12-42	Dark Red (2.5YR 3/6); channery clay loam; 15% coarse fragments	3
	C1	42-55	Red (2.5YR 5/8) loam	2
	C2	55-84	Yellowish Red (5YR 5/8) loam	2
Auger 2	Oi	0-1	Very Dark Gray (7.5YR 3/1)	-
	A	1-8	Strong Brown (7.5YR 5/8) loam	2
	Bt	8-36	Red (2.5YR 5/8) clay loam	3
	C	36-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2
Auger 3	Oi	0-1	Very Dark Gray (7.5YR 3/1)	-
	A	1-10	Strong Brown (7.5YR 5/6) loam	2
	Bt	10-30	Yellowish Red (5YR 5/6) silty clay loam	3
	BC	30-50	Yellowish Red (5YR 4/6) loam	2
	C	50-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2

# **DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 18**Acreage:** 1.174

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	6	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	325	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	975	Line Length (ft.)	N/A
# Lines Installed	5	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	65	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	43	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

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**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
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 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 1.143

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 19

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 11 %
3. Depth to rock/impervious strata: Max. >84" Min. None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall PSS/AOSE

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent to be placed at 66" depth at site designated. Site provides a total of 1170 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 9/16/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village      **Lot:** 19      **Acreage:** 1.143

Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-2	Very Dark Gray (7.5YR 3/1) sandy loam	2
	BA	2-15	Strong Brown (7.5YR 5/6) loam	2
	Bt	15-40	Red (2.5YR 4/6) silty clay loam; strong medium subangular blocky structure	3
	BC	40-50	Yellowish Red (5YR 4/6) loam with many mica flakes	2
	C	50-84	Red (2.5YR 4/8) loam	2
Auger 2	A	0-4	Very Dark Gray (7.5YR 3/1) sandy loam	2
	Bt	4-24	Red (2.5YR 4/6) silty clay loam; strong medium subangular blocky structure	3
	BC	24-50	Yellowish Red (5YR 4/6) loam with many mica flakes	2
	C	50-84	Red (2.5YR 4/8) loam	2
Auger 3	A	0-1	Very Dark Gray (7.5YR 3/1) sandy loam	2
	BA	1-4	Strong Brown (7.5YR 5/6) loam	2
	Bt1	4-20	Yellowish Red (5YR 4/6) clay; strong fine subangular blocky structure	4
	Bt2	20-50	Red (2.5YR 4/6) clay; strong medium subangular blocky structure	4
	C	50-84	Red (2.5YR 4/6) sandy loam with many mica flakes	2

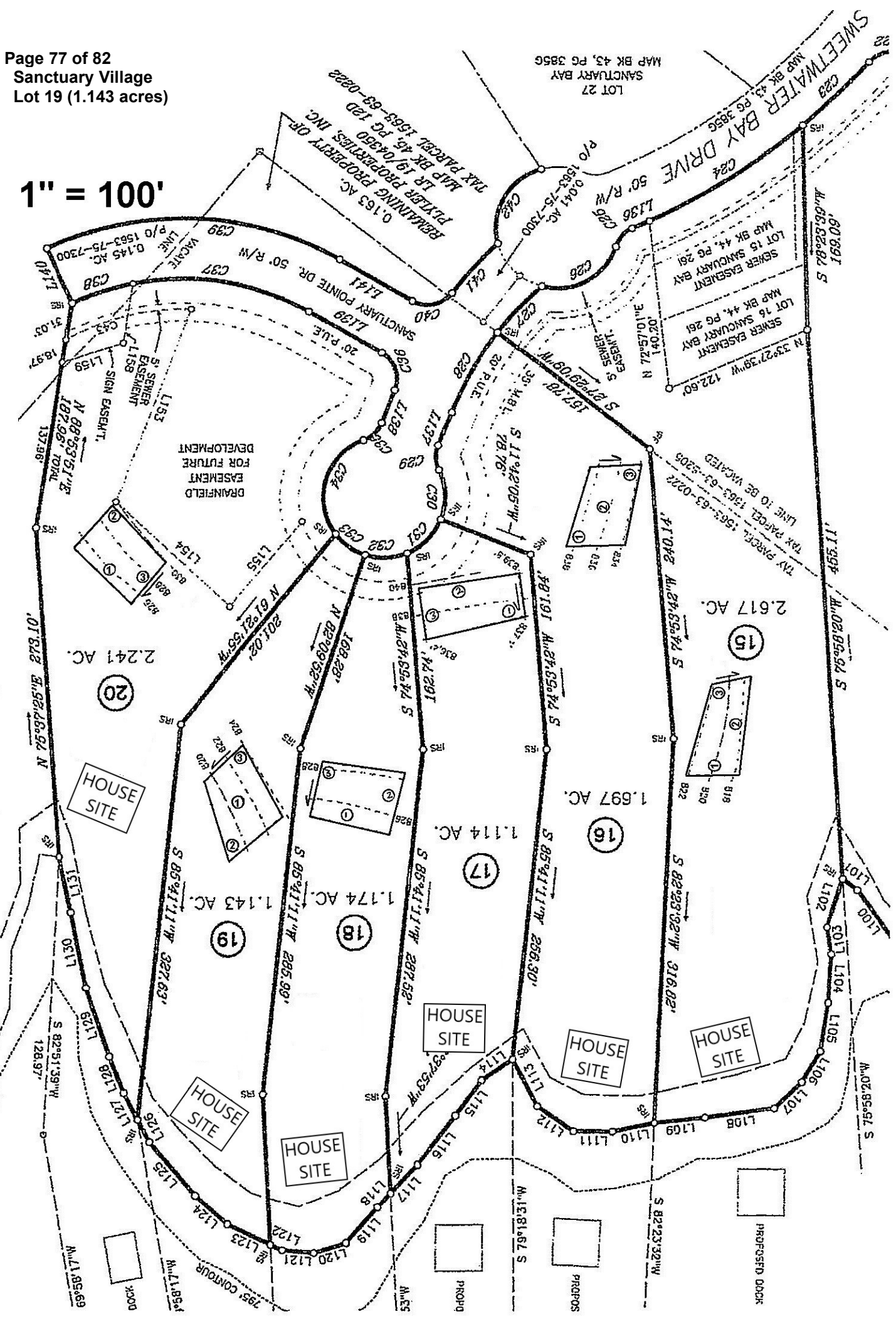


**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 19**Acreage:** 1.143

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	11	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	390	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	1170	Line Length (ft.)	N/A
# Lines Installed	6	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	65	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	53	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	66	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



**SETEC**

**SOIL AND ENVIRONMENTAL TECHNOLOGY, INC**  
**111 N. Franklin Street, Christiansburg, VA 24073**  
**Phone: (540) 381-0309 Fax: (540) 381-9430**  
**E-mail: setec@soilandenvironmentaltechnology.com**

**General Information**

Date: 4/22/2020  
 Applicant: Plyler Properties, Inc  
 Address: 13697 Booker T. Washington Hwy, Suite 109A, Moneta, VA 24121  
 Directions to the Property: US-29 N (7.1 mi), L on Old Mine Rd (3.7 mi), slight L then right to continue on Old Mine Rd (1.5 mi), L on 40W (8.6 mi), R on Smith Mtn Rd (4.3 mi), R on Sanctuary Bay Dr, +/- 0.5 miles to property on L  
 Subdivision: Sanctuary Village  
 Acreage: 2.241

Pittsylvania County Health Department  
 Telephone #: (540) 537-3865 **Erik Plyler**  
 Lot: 20

**Soil Information Summary**

1. Position in landscape satisfactory Yes ☒ No ☐ Describe: Sideslope
2. Slope 8 %
3. Depth to rock/impervious strata: Max. >90" Min. 86" None
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐
5. Free water present No ☒ Yes ☐ range in inches
6. Soil percolation rate estimated Yes ☒ Texture group 2  
 No ☐ Estimated rate 35 Min/inch
7. Percolation test performed Yes ☐ Number of percolation test holes  
 No ☒ Depth of percolation test holes  
 Average percolation rate

Name and title of evaluator: David Hall AOSE/PSS

Signature:



- X** Site Approved: Absorption trenches dispersing septic tank effluent to be placed at 68" depth at site designated. Site provides a total of 900 square feet of absorption area for the drainfield. This site does not require a reserve.

Site Disapproved:

Reason for rejection: (check all that apply)

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil to seasonal water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other (Specify)

# PROFILE DESCRIPTION SOIL EVALUATION REPORT

Date of Evaluation: 10/24/2019

Pittsylvania County Health Department

x See application sketch

See construction permit

**Applicants:**

**Subdivision:** Sanctuary Village

**Lot:** 20

**Acreage:** 2.241

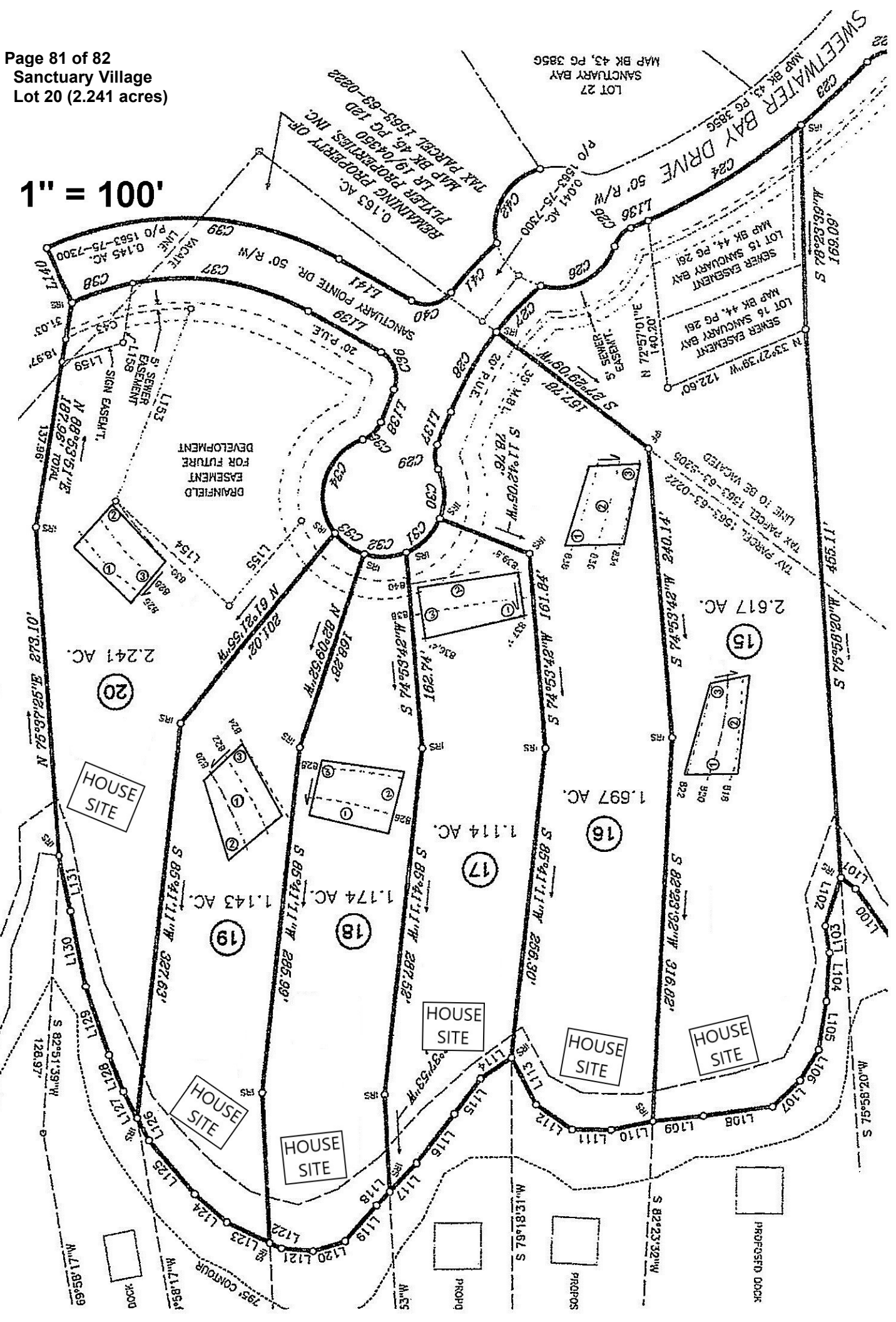
Hole #	Horizon	Depth (in)	Description	Texture Group
Auger 1	A	0-3	7.5YR 3/2 (Dark Brown) loam	2
	Bt	3-32	2.5YR 3/6 (Dark Red) clay; strong medium subangular blocky structure	4
	BC	32-56	2.5YR 4/6 (Red) loam w/ many mica flakes	2
	C	56-90	2.5YR 4/6 (Red) sandy loam w/ many mica flakes	2
Auger 2	A	0-2	7.5YR 3/2 (Dark Brown) sandy loam	2
	BA	2-12	7.5YR 4/6 (Strong Brown) sandy loam	2
	Bt	12-36	2.5YR 3/6 (Dark Red) clay; strong medium subangular blocky structure	4
	BC	36-60	2.5YR 4/6 (Red) loam	2
	C	60-90	5YR 5/8 (Yellowish Red) sandy loam w/ many mica flakes	2
Auger 3	A	0-4	7.5YR 3/2 (Dark Brown) sandy loam	2
	BA	4-12	7.5YR 4/6 (Strong Brown) sandy loam	2
	Bt	12-24	2.5YR 3/6 (Dark Red) clay; strong medium subangular blocky structure	4
	BC	24-40	2.5YR 4/6 (Red) loam	2
	C	40-86	2.5YR 4/8 (Red) sandy loam w/ many mica flakes	2

**DRAINFIELD RECOMMENDATIONS, DESIGN BASIS, & AREA CALCULATIONS  
AND WELL RECOMMENDATION & SPECIFICATIONS**

**Applicants:****Subdivision:** Sanctuary Village**Lot:** 20**Acreage:** 2.241

<b>Main DF</b>		<b>Reserve DF</b>	
Type of system	Pump	Reserve Area Required	No
EPR	35	Type of Reserve	N/A
Slope %	8	EPR	N/A
# Bedrooms	3	Slope %	N/A
Gallons/Day	450	Gallons/Day	N/A
Width of Trench (ft.)	3	Width of Trench (ft.)	N/A
Total Square Ft. of Trench Bottom Required per BR	286	Total Square Ft. of Trench Bottom Required	N/A
Total Square Ft. of Trench Bottom per BR in Design	300	Total Square Ft. of Trench Bottom in Design	N/A
Total Square Ft. of Trench Bottom Required	858	# Lines of Reserve	N/A
Total Square Ft. of Trench Bottom in Design	900	Line Length (ft.)	N/A
# Lines Installed	5	Installed <24" from Rock or Other Impervious Strata	N/A
Length of Line Installed (ft.)	60	Centers (ft.)	N/A
Installed <24" from Rock or Other Impervious Strata	Yes	Width Required (ft.)	N/A
Centers (ft.)	10	Width in Design (ft.)	N/A
Width Required (ft.)	43	Installation Depth (inches into natural soil)	N/A
Installation Depth (inches into natural soil)	68	Amount of Backfill Required (inches)	N/A
Amount of Backfill Required (inches)	N/A	Type of Well Recommended	Community Water Supply
		Amount of Casing & Grout (ft.)	N/A

1" = 100'



1" = 200'

**PRELIMINARY**  
**FINAL PLAT**  
**SANCTUARY VILLAGE**  
 LOCATED IN  
 CALLANDS-GREYNA MAGISTERIAL DISTRICT  
 PITTSYLVANIA COUNTY, VIRGINIA  
 APRIL 14, 2020  
 SCALE 1" = 80'

**LEGEND**  
 IRS = IRON ROD SET  
 IRF = IRON ROD FOUND  
 RPF = IRON PIPE FOUND  
 S = UTILITY POLE  
 --- DOCK DELINEATION LINE

