

CONTRACTOR COPY

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Appendix 1

Commonwealth of Virginia
Application for a Sewage Disposal and/or Water Supply Permit

Health Department ID# ~~50-06-142~~ (VDH Use)

50-06-142

Owner Steven & Daisy Yoder Address 923 Orange Road Phone 948-3383
Pratts, VA 22731

Agent T.A. HOUSTON & ASSOC. LTD. Address P.O. Box 891 Phone 825-6262
CULPEPER, VA 22701

Directions to Property S.R. 29 S. to L/T. on 621, Property 1.7 Mi on left
Subdivision

Section Block Lot

Other Property Identification Map reference TM-62-13

Dimension/size of Lot/Property 6.115 Ac

Residential Use ☒ Yes ☐ No
Termite Treatment ☒ Yes ☐ No
☒ Single Family ☐ Multi-family
Number of Bedrooms 4 Number of Units
Basement ☒ Yes ☐ No
Fixtures in Basement ☐ Yes ☒ No

Proposed Sewage Disposal Method:

Onsite Sewage Disposal System: ☒ Septic Tank ☐ LPD ☐ Mound ☐ Other

Water Supply: ☐ Public ☐ New ☐ Existing
☒ Private ☒ New ☐ Existing

Describe: CLASS III-B

The property lines, building location and sewage disposal system site are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing this application and to perform quality assurance checks as necessary until the sewage disposal system has been constructed and approved.

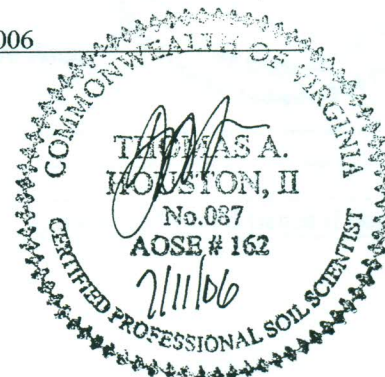
T.A. HOUSTON & ASSOC. LTD
Signature of Owner/Agent

July 11, 2006
Date

Rev:6/99

Steven Ray Yoder

7-25-06



Appendix 2

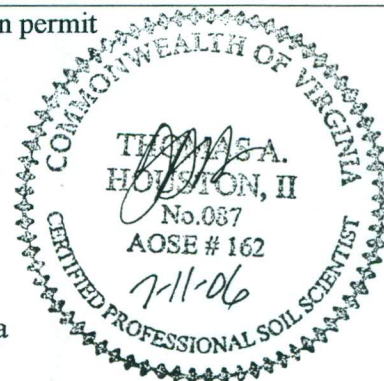
Soil Summary Report**GENERAL INFORMATION**Date July 11, 2006 Submitted to MADISON CO. Health DepartmentApplicant Steven & Daisy Yoder Telephone No. 948-3383Address 923 Orange Road, Pratts, VA 22731Owner SAME Address _____Location S.R. 29 S. to Lt. on 621, Property 1.7 Mi on leftTax Map 62-13 Subdivision _____Block/Section _____ Lot 6.115 Ac _____**SOIL INFORMATION SUMMARY**1. Position in landscape satisfactory Yes ☒ No ☐Describe SHOULDER2. Slope 8-10 %3. Depth to rock or impervious strata: Max. _____ Min. _____ None ☒4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes ☐ _____ inches5. Free water present No ☒ Yes ☐ _____ range in inches6. Soil percolation rate estimated Yes ☒ Texture group I II III IV
No ☐ Estimated rate 55 min/inch7. Permeability test performed Yes ☐
No ☒

If yes, note type of test performed and attach

☐ Site Approved: Drainfield to be placed at 30 IN depth at site designated on permit☐ Site Disapproved:

Reasons for rejection:

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 or 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 _____



(attach additional pages if necessary)

SOIL PROFILE DESCRIPTION REPORT

P. ____ OF ____

PROJECT NUMBER & CLIENT

05-02 A.C. LIMITED PARTNERSHIP REF HD # 5005-255

TM-62-13

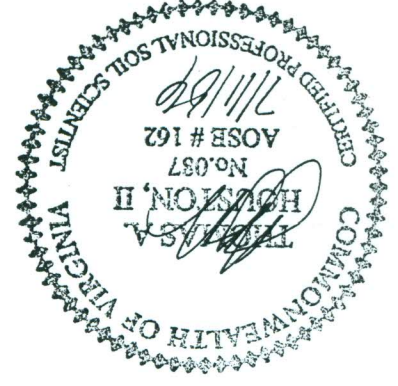
MADISON COUNTY VIRGINIA

DATE OF EVALUATION 05-17-2005

PARCEL 6.115 AC.

HOLE #	HORIZON DEPTH	DESCRIPTION OF, COLOR, TEXTURE, ETC.	TEXTURE
S2P-2	A	5YR 4/4, 5/2, SANDY LOAM, GRANULAR, ROOTS.	II
	B	5YR 5/8 SILT LOAM, MICA, ANGULAR, BLOCKY, ROOTS.	III
	B-2	2.5YR 4/8, FINE SILT LOAM, MICA, ANGULAR BLOCKY.	III
	B-C	2.5YR 4/8 WITH 7.5 YR 5/4 FINE SANDY LOAM, SOFT GRANITIC, FRIABLE.	II
S2P-3	A	5YR, 5/4, MICA, SILTY LOAM, GRANULAR, ROOTS.	II
	B	2.5 YR 4/8 SILTY CLAY LOAM, MICA, GRANULAR, BLOCKY, ROOTS.	III
	B-2	2.5YR 5/8 MICA, SILT LOAM, BLOCKY.	III
	B-C	2.5 YR 4/8, 5/8 FINE SANDY LOAM, GRANITE STRUCTURE, FEW 5/1 WEATHERED FRAGMENTS, FRIABLE.	II
S2P-4	A	5 YR 5/4 MICA SANDY LOAM, ROOTS.	II
	B	2.5YR 4/8, SILTY CLAY LOAM, MICA, BLOCKY,	III
	B-C	2.5 YR 4/8, MICA SANDY LOAM, BLOCKY, FRIABLE. WITH 7.5YR 5/4 STREAKS, SOFT GRANITIC, FRIABLE.	II
S1P-5	A	5 YR 5/3, 5/4 MICA SANDY LOAM, ROOTS.	II
	B	2.5 YR 5/8 SILTY CLAY LOAM, MICA, GRANULAR, BLOCKY, ROOTS.	III
	B-2	2.5 YR 5/8, 4/8 SILTY CLAY LOAM, MICA, GRANULAR, BLOCKY, ROOTS.	III
	B-C	2.5YR 5/8, WITH 7.5YR 6/4 SILTY CLAY LOAM, SOFT GRANITIC, FRIABLE.	III
S1P-6	A	5YR 5/6, 5/8, SANDY LOAM, GRANULAR, ROOTS.	II
	A-E	2.5YR 5/8, 4/8 SANDY LOAM, MICA, BLOCKY, ROOTS.	II
	B	5YR 5/6, 5/8, SILT LOAM, MICA, BLOCKY.	III
	B-C	7.5YR 5/8, 5/4, 5/6 MULTICOLORED SANDY LOAM, MICA, SOFT GRANITIC	II

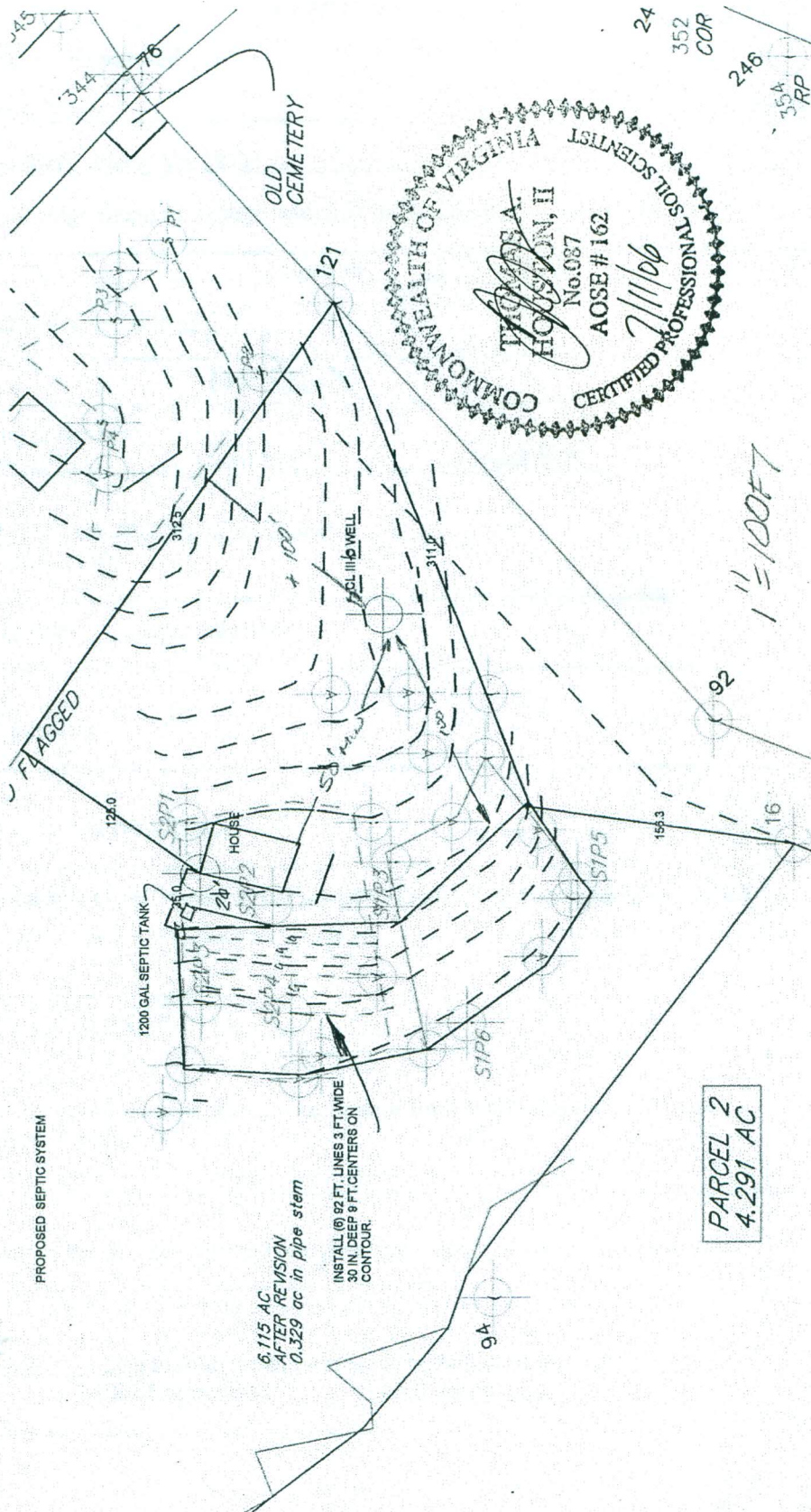
RECOMMENDED TRENCH DEPTH @ 30 INCHES WITH RATE OF 55 MPI



P30F 7

24
352
COR

246
354
RP



P50F7

Appendix 5

Sewage Disposal System Construction Specifications

General Information

New ☒ Repair ☐ Expanded ☐

Owner Steven & Daisy Yoder Telephone 948-3383

Address 923 Orange Road, Pratts, VA 22731

For a type 1 Sewage disposal system which is to be constructed on/at TM 62-13

Subdivision _____ Section _____ Block _____ Lot 6.115 Ac

Actual or estimated water use 600 gpd

DESIGN

NOTES

Water supply, existing (describe) _____
To be installed: class III-B cased 50 FT. grouted 50 FT.

Building sewer:
4 INCH I.D. PVC 40, or equivalent.
Slope 1.25" per 10' (minimum).
☐ Other _____

Septic Tank: Capacity 1200 gals. (minimum)
☐ Other _____

Inlet-outlet structure:
PVC 40, 4" tees or equivalent
☐ Other _____

Pump and pump station:
No ☒ Yes ☐ describe and show design.
If yes: _____

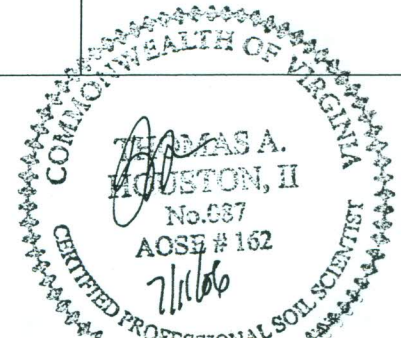
Gravity mains: 3" or larger I.D., Minimum 6" fall per 100', 1500lb. Crush strength or equivalent
☐ Other _____

Distribution box:
Precast concrete with 12 ports
☒ Other ZOLLER TRU FLO PN 0001/173

Header lines:
Material: 4" I.D. 1500 lb. Crush strength plastic or equivalent from distribution box to 2" into
absorption trench. Slope 2" minimum
☒ Other 4" PVC

Percolation lines:
Gravity 4" plastic 1000 lb. Per foot bearing load or equivalent, slope 2" 4" (min. max.) per 100'
☐ Other _____

Absorption trenches:
Square ft. required 1648 ; depth from ground surface to bottom of trench 30" ;
Trench width 3 FT. ; Depth of aggregate 13" ; Trench length 92 FT ;
Number of trenches 6



Appendix 6
Abbreviated Design Form

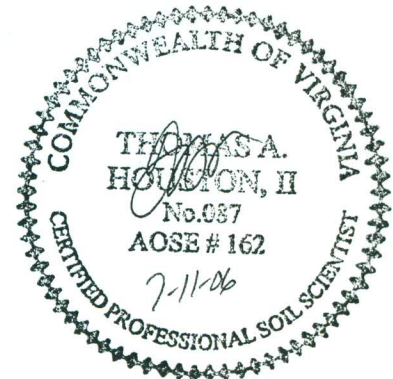
For the use of gravity and pump drainfields, enhanced flow systems and low pressure distribution systems when applying for a certification letter or subdivision approval

Design Basis

- A. Estimated Percolation Rate 55 MPI
- B. Trench bottom square feet required per bedroom (from Table 4.6 based on ☐ Gravity ☐ LPD 412
- C. Number of bedrooms 4

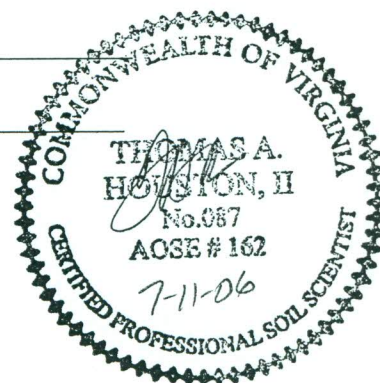
Area calculations

- D. Length of trench 92 FT Length of available area 200 FT
- E. Width of trench 3 FT
- F. Number of trenches 6
- G. Center-to-center spacing 9 FT
- H. Width Required 48 FT Width of available area 60 FT
G(F-1) + E
- I. Total square footage required (line B times line C) 1648
- J. Square footage in design (D*E*F) 1656
- K. Is a reserve area required? ☒ yes ☐ No



Certification StatementCounty: MADISON Date: July 11, 2006Property Identification: TM 62-13Submitted by: T.A. HOUSTON & ASSOC. LTD

This is to certify according to §32.1-163.5 of the *Code of Virginia* that work submitted for the referred property is in accordance to and complies with *the Sewage Handling and Disposal Regulations* of the Virginia Department of Health. I recommend a PERMIT¹ be APPROVED².

AOSE T.A. HOUSTON, JR AOSE # 162 Date: July 11, 2006

Soil Consultant _____ Date: _____

¹ This blank must be filled in with one of the following terms: 'permit', 'certification latter', or 'subdivision approval'.

² This blank must be filled in either the term 'approved' or 'denied'.

If the submission contains a certification by a professional engineer in consultation with an AOSE, the following statement shall be signed and sealed:

I hereby certify that the evaluations and designs contained herein (refer to subdivision, lot, etc.) were conducted in accordance with the *Sewage Handling and Disposal Regulations* (12 VAC 5-610-10 et seq., the "*Regulations*") and the policies of the Virginia Department of Health for implementation of those *Regulations*. Furthermore, I certify that the evaluations and designs comply with the minimum requirements of the *Regulations*.

I recommend a _____¹ be _____².Licensed PE: _____ Date: _____
Seal

¹ This blank must be filled in with one of the following terms: 'permit', 'certification latter', or 'subdivision approval'.

² This blank must be filled in either the term 'approved' or 'denied'.