

5B

Davis Soils Consulting
290 LAKEWOOD COURT
ROCKY MOUNT, VA 24151 (540) 483-4914 Office (540) 483-1881 Fax

AOSE/PE Report for:

Construction Permit Certification Letter Subdivision Approval

Property Location: <u>Union Hall</u>	
911 Address: _____	City: _____
Lot <u>5B</u> Section _____	Subdivision <u>Collinsville Land Corp</u>
GPIN or Tax Map # <u>52.2-1.4 & 52.2-1.5</u>	Health Dept. ID # _____
Latitude _____	Longitude _____

Applicant or Client and address:	
Name: <u>T & E Prpoerties, INC</u>	
Street: <u>4825 Boonesboro Rd.</u>	
City <u>Lynchburg</u> State <u>VA</u> Zip Code <u>24503</u>	

Prepared by:	
AOSE Name <u>C. Frank Davis</u>	License # <u>1940 001002</u>
Address <u>290 Lakewood Ct.</u>	
City <u>Rocky Mount</u> State <u>VA</u> Zip Code <u>24151</u>	
PE Name _____	License # _____
Address _____	
City _____	State _____ Zip Code _____
Date of Report <u>5/28/2013</u>	Date of Revision #1 _____
AOSE/PE Job # _____	Date of Revision #2 _____

Contents/Index of this report (e.g., Site Evaluation Summary, Soil Profile Descriptions, Site Sketch, Abbreviated Design, etc.)

1. AOSE Report	5. Abbreviated Design Page
2. Site & Soil Summary	_____
3. Profile Description	_____
4. Plat	_____

Certification Statement
I hereby certify that the evaluation and/or designs contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-630) 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 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 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 that a (select one): construction permit certification letter subdivision approval

be (select one) issued denied

AOSE/PE Signature *C. Frank Davis* Date 5/28/2013

Appendix 2
Soil Summary Report

GENERAL INFORMATION

Date 5/28/2013 Submitted to Franklin Co. Health Department
 Applicant T & E Properties, INC Telephone No. 434-941-7586
 Address 4925 Boonesboro Rd. Lynchburg, VA 24503
 Owner Same Address _____
 Location _____
 Tax Map 52.2-1.4 & 52.2-1.5 Subdivision Collinsville Land Corp
 Block/Section _____ Lot 5B

SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes No
 Describe Side Slope
2. Slope 8 %
3. Depth to rock or impervious strata: Max. _____ Min. _____ None
4. Depth to seasonal water table (gray mottling or gray color) No Yes _____ inches
5. Free water present No Yes _____ range in inches
6. Soil percolation rate estimated Yes No Texture group: I II III IV
 Estimated rate: 40-45 min/inch
7. Permeability test performed Yes No
 If yes, note type of test performed and attach

Site Approved: Drainfield to be placed at 54" depth at site designated on permit.

Site Disapproved:

Reason 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 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 _____

(attach additional pages if necessary)

Appendix 6
Abbreviated Design Form

Lot# 5B

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

Design Basis

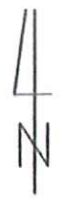
- A. Estimated Percolation Rate 40-45
- B. Trench bottom square feet required per bedroom Table 4.6 based on Gravity LPD 247.5
Based on GMP# 135
- C. Number of bedrooms 4

Area Calculations

- D. Length of trench 55' Length of available area 55'
- E. Width of trench 3'
- F. Number of trenches 6
- G. Center-to-center- spacing 9'
- H. Width required 48' Width of available area 55'
G(F-1) + E
- I. Total square footage required (line B times line C) 990
- J. Square footage in design (D*E*F) 990
- K. Is a reserve area required? Yes No

SCALE: 1" = 60'

page 4 of 5



RT. 834

START 800' CONTOUR

N49°34'50"E
77.45'

L11

L12

L13

L14

L15

L16

L17

L18

L19

L20

L21

L22

L23

L24

L25

L26

L27

L28

L29

L30

L31

406.67' ALONG 800' CONTOUR
± 230' ALONG 795' CONTOUR

N45°40'26"E
394.66'

111.68' ALONG 800' CONTOUR
± 114' ALONG 795' CONTOUR

N33°48'53"E
452.70'

N18°21'02"E 1034.62'
PROPERTY LINE HEREBY VACATED

NEW PROPERTY LINES
N24°14'38"E 521.47'

102.52' ALONG 800' CONTOUR
± 102' ALONG 795' CONTOUR

107.01' ALONG 800' CONTOUR
± 108' ALONG 795' CONTOUR

USED
FIELD

2
4
6
8
10

B
RES

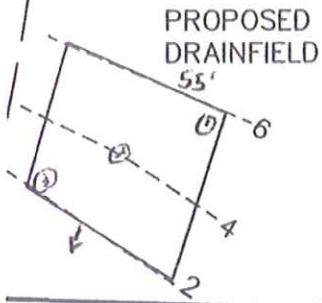
IPS

4A
CRES

IPI
N22°30'

IPS

PROPERTY LINE SHOWN FROM RECORD



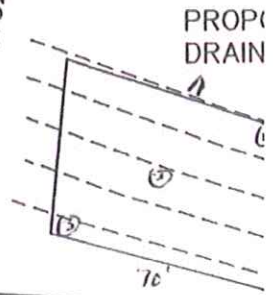
TRACT 5B
3.044 ACRES

N09°53'41"E 664.47'
NEW PROPERTY LINES

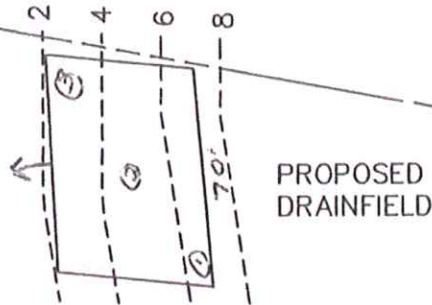
TRACT 5
TM 52.2-1.5
ORIGINAL
7.102 ACRES

EXISTING 20' PUE
B. 1021, PAGE 1263

TRACT 5A
3.166 ACRES

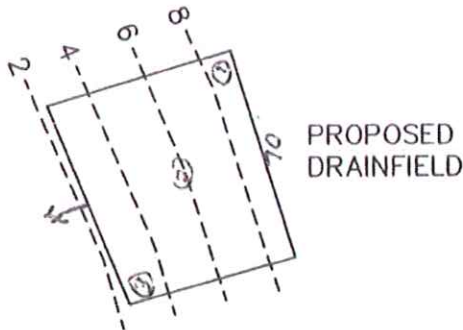


N12°25'24"E 634.34'
NEW PROPERTY LINES



TRACT 4
3.347 ACRES

N15°22'01"E 615.20'



TRACT 4
TM 52.2-1.4
ORIGINAL
5.879 ACRES

TRACT 5
3.424 ACRES

S16°46'10"W 1016.96'

- LEGEND
- IPF - IRON PIN FOUND
 - IPS - IRON PIN SET
 - PUE - PUBLIC UTILITY EASEMENT

WILLIAM RODERIQUE
D.B. 1023, PAGE 1806
TM 55.2-1.3