



Essex County Health Department
P.O. Box 206
Tappahannock, Virginia 22560
(804) 443-4076 Voice
(804) 443-2377 Fax

Septic Tank - Soil Absorption System Construction Permit

Health Department ID Number: **128-05-058**

Owner / Agent Information	
Owner: Schools, Larry & Beth 8210 Skirmish Ln Mechanicsville, Virginia 23111 Owner Phone: (804) 746-4280	Agent: Peninsula Const. LLC P.O. Box 1651 Tappahannock Virginia 22560
Location Information	
Subdivision: Meadow View Property Address: Meadow View Subd. Locality: Essex Directions: Rt. 360 to Kino Rd take a right, go 1/4 mile, take a right Meadow Drive. 1st lot on left #1.	
General Information	
System Type: septic tank effluent and drainfield Type of Property: Residential	Daily Flow: 450 gallons Number of Bedrooms: 3 maximum
Sewer Line	
3" or 4" Sch. 40 PVC or equivalent (cleanouts required at 50' to 60' intervals)	Distribution Box Information
	No. of Boxes: 1 No. of Outlets: 8
Conveyance Line / Force Main Information	
Method: Gravity Distribution Box Material: Minimum crush strength 1500# Pipe Diameter: 4" Slope: only for non-pump - 6" per 100'	Header Line Information
	ASTM F405 pipe or better (1500 # crush or equivalent) Minimum slope 2" per 100'
Septic Tank - Inlet Outlet Structure	
Capacity: 1000 gallons The inlet structure shall be 1-2 inches higher than the outlet structure and shall extend 6-8 inches below and 8-10 inches above the normal liquid level. The outlet structure shall extend 35-40% below the normal liquid level and 8-10 inches above the normal liquid level. To comply with the maintenance requirements of 12 VAC 5-610-817 the septic tank must be provided with one of the following three options: 1) Inspection port, 2) Effluent filter, 3) Reduced maintenance tank	Percolation Lines and Absorption Area
	Slope: 2-4" per 100' Percolation lines: 4" diameter Center to Center Spacing: 9' Installation Depth: 36" Depth of Aggregate: 13", Size of aggregate: 0.5-1.5" Total Number of Laterals: 24 Laterals to be 60' long, x 3' wide Install 900 Square Feet Total Reserve area required: 100%
Please Note:	

Construction Drawing

HD ID #: 128-05-058

Owner Information

Schools, Larry & Beth
8210 Skirmish Ln
Mechanicsville, Virginia 23111

Phone: (804) 746-4280

Construction Drawing

Schematic drawing of sewage disposal system and topographic features.

SEE PAGE 3 OF 3

This sewage disposal system construction permit is null and void if conditions are changed from those shown on the application or construction permit. No part of any installation may be covered or used until inspected, corrections made if necessary and the system is approved. The inspection will normally be made by the system designer, who may be an AOSE, PE, or EHS. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon direction of the Department or the system designer.

System Design By: Don Thomas ; Site Evaluation By: Don Thomas


Don Thomas, EHSS

March 21, 2005
Issue Date

September 21, 2006
Expiration Date

Construction Drawing

HDID 128.05.058

Well Setbacks:

- 50' from chemically soil poisoned foundations
- 50' from wastewater disposal system
- 50' from UG fuel storage tanks
- 10' from building with other termite treatment

The Homeowner/well driller is to contact the health department with the expected well construction date (804-443-4076).

The Homeowner must provide the following to the health department for issuance of a Record of Inspection:

1. Proper Well construction documentation; and
 2. Water sample negative for the coliform bacteria.
- Note that the well driller will not perform the water sample unless specifically contracted to do so.
- Do not plant hydrophilic trees within 20' of drainfield.
 Do NOT drive over drainfield before, during or after installation.
 Do not drive over reserve drainfield area.
 Do NOT drive over or within 10' of the tank components.
 Do NOT drive within 10' of the drainlines.
 Install in dry soil conditions.

Septic System Setback:

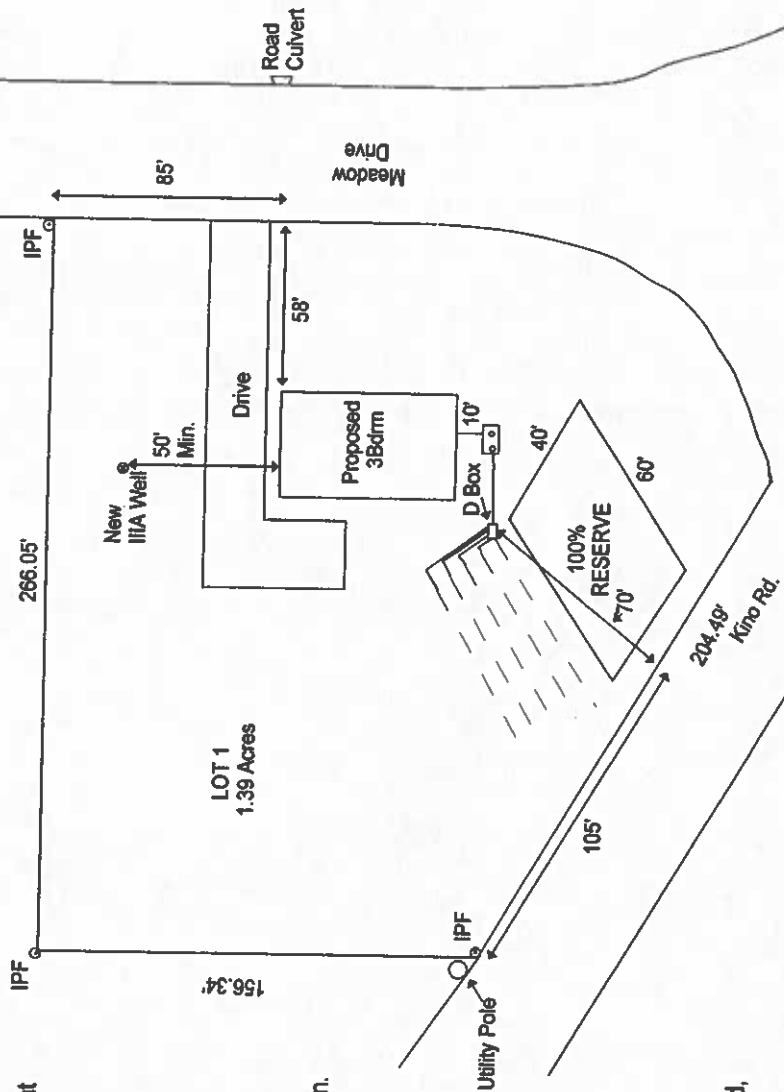
- 50' min. from deep well
- 5' min. off all property lines
- 10' min. off all foundations,
- maple trees, willow trees and utilities
- 10' off usually dry ditches
- 15' min. off utility guidelines

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 The inspection will normally be made by the system designer, who may be an AOSE, PE, or EHS. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon direction of the Department or the system designer.

Site Evaluation Conducted by: Don Thomas, EHSS
 System Design by: Don Thomas, EHSS

Don Thomas
 Don Thomas, EHSS

This permit has 100% reserve area identified. This site may not meet the county's criteria of the Chesapeake Bay Preservation Act because separation distance from water and/or wetlands has not been precisely field located.



Install:
 IIIA well 100+ cased, 20' grout
 1000 G. septic tank per 2000 regs.
 5'60' lines, 9' etc., 36" deep

4' infiltrator line
 L/L/S

March 21, 2005

Issue Date

September 21, 2006

Expiration Date

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department
Identification Number 128-05-058

ESSEX

Health Department

Name of Company/Corporation/Individual: Dani's Systems, Inc.

Address: PO Box 877 Japp. VA 22560 Telephone: 804-443-1460

Owner's Name Larry + Beth Schook c/o Peninsula Const. LLC

Owner's Address PO Box 1651 Japp. VA 22560

Location of Installation: Lot 1 Block _____

Section: _____ Subdivision: Meadow View

Other: _____

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) _____ and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

7-15-05

Date

Wayne L. Davis

Signature and Title



Essex County Health Department
P.O. Box 206
Tappahannock, Virginia 22560
(804) 443-4076 Voice
(804) 443-2377 Fax

Private Well Construction Permit
Health Department ID Number: **128-05-058**

Owner / Agent Information

Owner: Schools, Larry & Beth
8210 Skirmish Ln
Mechanicsville, Virginia 23111
Owner Phone: (804) 746-4280

Agent: Peninsula Const. LLC
P.O. Box 1651
Tappahannock Virginia 22560

Location Information

Subdivision: Meadow View
Property Address: Meadow View Subd.
Locality: Essex

Tax Map: 36D-115-1

Directions: Rt. 360 to Kino Rd take a right, go 1/4 mile, take a right Meadow Drive. 1st lot on left #1.

General Information

Well Class: Class IIIA

Minimum Casing Depth: 100 feet

Minimum Grout Depth: 20 feet

Comments:

Construction documentation and a water sample negative for coliform bacteria required for approval.

Class IIIA or IIIB wells must be 50'+ from all actual and potential sources of contamination including all parts of all sewage disposal systems, soil-poisoned foundations, underground petroleum tanks, cemeteries, feedlots, etc.

Please contact the Health Dept. between 8 and 9 a.m. on the day of drilling.

This permit is issued based upon a site evaluation conducted by Don Thomas, EHS on March 18, 2005.
See following page for Construction Drawing.

Notice: The Virginia Department of Health may revoke or modify this permit if, at a later date, it finds the conditions that formed the basis for issuing the permit do not substantially comply with the *Private Well Regulations*, 12 VAC 5-630-10 et seq., or if the well would threaten public health or the environment.

6/6/05
well
OK,

Well Construction Permit -- Drawing

HD ID #: 128-05-058

Owner Information	
Schools, Larry & Beth 8210 Skirmish Ln Mechanicsville, Virginia 23111	Phone: (804) 746-4280
Construction Drawing	
Scale drawing of the well site and related features. SEE SEPTIC PAGE 3	

Show the property lines, all existing and proposed structures, existing and proposed sewage systems and water supplies, slope, and any topographic features which may impact the design of the well.


Issued by: Don Thomas

March 21, 2005
Issue Date

September 21, 2006
Expiration Date

Soil Evaluation Form

PAGE ____ OF ____

Commonwealth of Virginia
Department of Health

Health Department
Identification Number 128.05.058
Tax Map Number SGD-115-1

33DRM

General Information

Date 3/18/05 ESSEX Health Department
Applicant Stanley Langford Telephone No. _____
Address _____
Owner Schools, Larry Address _____
Location Corner of Meadow & King Rd.
Subdivision Meadowview Block/Section _____ Lot 1

Soil Information Summary

1. Position in landscape satisfactory Yes ☒ No ☐ Describe Sideslope
 2. Slope 2-3 %
 3. Depth to rock/imperious 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 ☐ Texture group I II III IV
No ☐ Estimated rate 3035 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: Don Thomas, EHS
Signature: Don Thomas

Department Use

- ☒ Site Approved: Drainfield to be placed at 30' 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 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 _____

Date of Evaluation

3/19/05

Profile Description SOIL EVALUATION REPORT

Health Department
Identification No.

128-05.055

Page 2 of 2

3 BDRM

Where the local health department conducts the soil evaluation the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch of the area investigated including all structural features i.e., sewage disposal systems, wells, etc., within 100 feet of site (See section 4) and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached to this form.

☐ See application sketch☐ See construction permit☐ See sketch on reverse side or page attached to this form.

Hole #	Horizon	Depth (Inches)	Description of, color, texture, etc.	Texture Group
1	Ap	0-8	10MR 5/4 SL	11
	B	8-20	7.5YR 3/8 SCL	11
		20-24	7.5YR 5/8 SCL LT.	11
		24-40	7.5YR 6/8 SL	11
		40-52	10MR 10/8 SL LT. 1/10m 4/3	11
		52-60	7.5YR 6/8 SCL LT.	11
2	Ap	0-10	10MR 5/4 SL	11
		10-20	7.5YR 5/8 SCL	11
		20-60	7.5YR 6/8 SL	
3	Similar to #2			

Remarks

36" deep 35 rods 5-605

264.03

156.34'

30' BEL
(TYP.)

30' BEL

18,500.

LOT 1
1.393 ACRES

30' BEL (TYP.)

142.70'

E. PED
Rod
P/P

L=204.49'

30' BEL

L=86.31'

L=106.71'

16' UTILITIES
EASEMENT

PR

T.T.

190

DN
t

Rt. 619
HIGHWAY
SHEET

C18

T-C15

P.R.

L=73

C16

C17

Schematic drawing of sewage disposal and/or water supply system and topographic features.

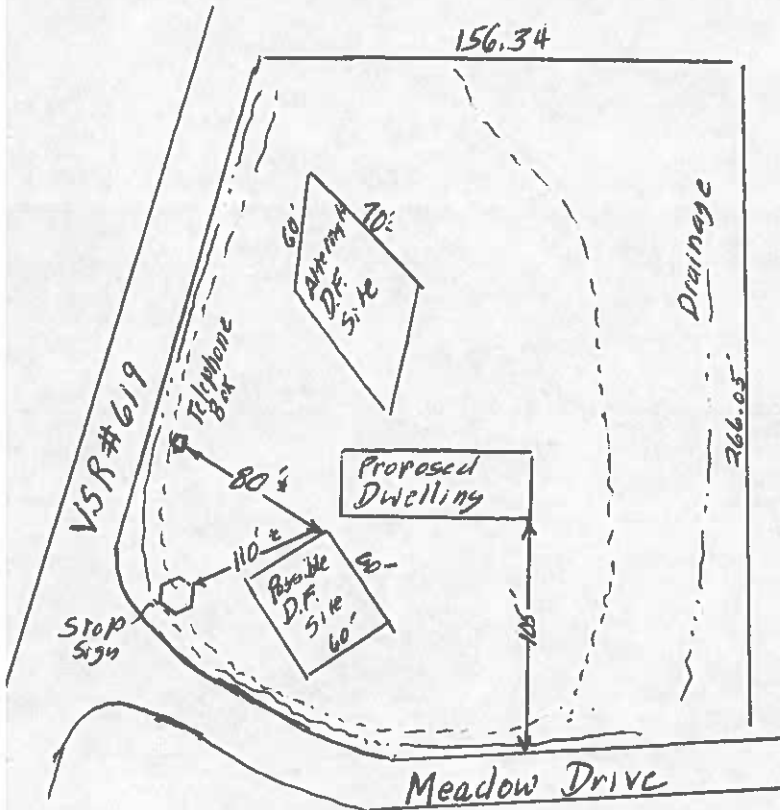
Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system, including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

- ☐ The information required above has been drawn on the attached copy of the sketch submitted with the application.
Attach additional sheets as necessary to illustrate the design.

Lot #1, Meadowview Subdivision, 1.393 acres

Drawing not to scale

This is not a permit but a drawing of possible (gravity) conventional drain field sites to serve a three (3) bedroom dwelling.



This sewage disposal system and/or water supply is to be constructed as specified by the permit _____ or attached plans and specifications _____.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: 10-30-03 Issued by: Michael J. [Signature]
Sanitarian

Date: _____ Reviewed by: _____
Supervisory Sanitarian

**This Construction
Permit Valid until**

If FHA or VA financing

Reviewed by Date _____ Date _____