

**OWNERS CONSENT AND DEDICATION**

THIS PLATING OF THE FOLLOWING DESCRIBED LAND "BOUNDARY SURVEY AND SUBDIVISION OF THE LANDS OF JESSICA L. MONAHAN & JENNIFER L. SEDELMAYER & PABLO E. CEREDA" IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAFFORD COUNTY SUBDIVISION ORDINANCE AND IS IN ACCORDANCE WITH THE HEALTH DEPARTMENT'S REQUIREMENTS AND IS IN ACCORDANCE WITH THE HEALTH DEPARTMENT'S REQUIREMENTS FOR THE CONTROL OF STORMWATER POLLUTION AND IS NOT BEING SUBMITTED FOR RECORD UNTIL ALL NECESSARY PERMITS AND ACCESS EASEMENTS AND THE 0.04923 ACRES & 0.21592 ACRES TO PUBLIC USE PROPERTY CORNER MONUMENTATION WILL BE SET BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAFFORD COUNTY SUBDIVISION ORDINANCE.

JESSICA L. MONAHAN, JENNIFER L. SEDELMAYER & PABLO E. CEREDA (AS LIFE ESTATE HOLDERS)  
 C/O JESSICA L. MONAHAN  
 100 WEST 11TH STREET, SUITE 200  
 WEST ALBANY, NY 12285-6123

*Jessica Temple*  
 JESSICA L. MONAHAN, OWNER DATE 5-9-06

*Jennifer L. Sedelmayer*  
 JENNIFER L. SEDELMAYER, OWNER DATE 5-9-06

*Pablo E. Cereda*  
 PABLO E. CEREDA DATE 5-9-06

**NOTARY CERTIFICATE**

I, Lisa Marie Temple, A NOTARY PUBLIC IN THE STATE OF New York, COUNTY/CITY OF Broome, DO HEREBY CERTIFY THAT JESSICA L. MONAHAN, OWNER, WHOSE NAME IS SIGNED TO THE FOREGOING STATEMENT OF CONSENT, HAS ACKNOWLEDGED THE SAME BEFORE ME THIS 9th DAY OF May, 2006. My Commission Expires March 31, 2007

**NOTARY CERTIFICATE**

I, Lisa Marie Temple, A NOTARY PUBLIC IN THE STATE OF New York, COUNTY/CITY OF Broome, DO HEREBY CERTIFY THAT JENNIFER L. SEDELMAYER, OWNER, WHOSE NAME IS SIGNED TO THE FOREGOING STATEMENT OF CONSENT, HAS ACKNOWLEDGED THE SAME BEFORE ME THIS 9th DAY OF May, 2006. My Commission Expires March 31, 2007

**NOTARY CERTIFICATE**

I, Lisa Marie Temple, A NOTARY PUBLIC IN THE STATE OF New York, COUNTY/CITY OF Broome, DO HEREBY CERTIFY THAT PABLO E. CEREDA, AS LIFE ESTATE HOLDER, WHOSE NAME IS SIGNED TO THE FOREGOING STATEMENT OF CONSENT, HAS ACKNOWLEDGED THE SAME BEFORE ME THIS 9th DAY OF May, 2006. My Commission Expires March 31, 2007

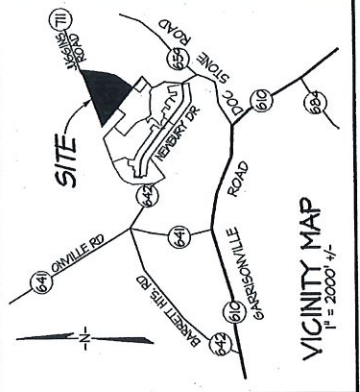
**CERTIFICATE OF APPROVAL**

THIS PLAT SHOWN AS "BOUNDARY SURVEY AND SUBDIVISION OF THE LANDS OF JESSICA L. MONAHAN & JENNIFER L. SEDELMAYER & PABLO E. CEREDA" IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAFFORD COUNTY SUBDIVISION ORDINANCE AND IS IN ACCORDANCE WITH THE HEALTH DEPARTMENT'S REQUIREMENTS AND IS IN ACCORDANCE WITH THE HEALTH DEPARTMENT'S REQUIREMENTS FOR THE CONTROL OF STORMWATER POLLUTION AND IS NOT BEING SUBMITTED FOR RECORD UNTIL ALL NECESSARY PERMITS AND ACCESS EASEMENTS AND THE 0.04923 ACRES & 0.21592 ACRES TO PUBLIC USE PROPERTY CORNER MONUMENTATION WILL BE SET BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAFFORD COUNTY SUBDIVISION ORDINANCE.

*Jessica Temple*  
 CHAIRMAN OF BOARD - STAFFORD CO. BOARD OF SUPERVISORS DATE 5/23/06

*Jessica Temple*  
 HIGHWAY OFFICIAL DATE 05-22-06

*Jessica Temple*  
 HEALTH OFFICIAL (SEE NOTE BELOW) DATE 5/19/06



**NOTES**

1. THIS PLAT HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT THEREFORE, NECESSARILY, INDICATE ALL OR ANY ENCUMBRANCES ON THE PROPERTY.
2. THE PROPERTY DELINEATED ON THIS PLAT IS SHOWN AS TAX MAP 20, PARCEL 66 AND IS ZONED A-1.
3. BASED UPON GRAPHIC PLOTTING ONLY, THE PROPERTY DELINEATED ON THIS PLAT DOES NOT APPEAR TO FISH FOR STAFFORD COUNTY VIRGINIA COMMUNITY PANEL NO. 510-30-016 DATED FEBRUARY 4, 2005. THE PROPERTY LIES WITHIN ZONE 'X' AREAS DETERMINED TO BE OUTSIDE THE 2% ANNUAL CHANCE FLOODPLAIN AS DEFINED THEREIN.
4. THIS PROPERTY IS SUBJECT TO A LIFE ESTATE IN THE NAME OF PABLO E. CEREDA AS PER LR #60019231.
5. STORM DRAINAGE SYSTEMS WILL BE MAINTAINED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION ONLY TO THE EXTENT THEY SERVE ROADWAY PURPOSES.
6. THIS PLAT IS THE RESULT OF A CURRENT FIELD SURVEY PERFORMED IN JANUARY, 2005. HERETOFORE IT DERIVED FROM A PLAT FOR PERRY FARMS - SECTION 4 RECORDED IN FM 01000004.
7. A PERMIT FOR THE INSTALLATION OF A PRIVATE WELL HAS NOT BEEN ISSUED AND A BUILDING PERMIT WILL BE DENIED UNLESS SUCH A PERMIT IS OBTAINED.

**AREA TABULATION**

LOTS = 14.49031 ACRES  
 STREET DEDICATION = 0.31110 ACRES  
 TOTAL = 15.16121 ACRES

**SURVEYORS CERTIFICATE**

I, WILLIAM E. FARHAM, A FULLY LICENSED LAND SURVEYOR IN THE COMMONWEALTH OF VIRGINIA, DO HEREBY CERTIFY THAT THE PROPERTY DELINEATED ON THIS PLAT CURRENTLY STANDS IN THE NAME OF JESSICA L. MONAHAN & JENNIFER L. SEDELMAYER AS ACQUIRED IN LR #60019231 SUBJECT TO A LIFE ESTATE RESERVED BY PABLO E. CEREDA IN LR #60019231 BEING RECORDED AMONG THE LAND RECORDS FOR STAFFORD COUNTY, VIRGINIA. FURTHER, I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL THE REQUIREMENTS OF THE BOARD OF SUPERVISORS' SUBDIVISIONS WITHIN THE COUNTY OF STAFFORD, VIRGINIA, REGARDING THE PLATTING OF SUBDIVISIONS WITHIN THE COUNTY HAVE BEEN MET.



**APPROVED**

**PLAT SHOWING**  
 BOUNDARY SURVEY AND SUBDIVISION  
 OF THE LANDS OF  
**JESSICA L. MONAHAN &  
 JENNIFER L. SEDELMAYER**  
 LR #60019231

**AOSE CERTIFICATE**

THIS IS TO CERTIFY, ACCORDING TO SECTION 921-169.3 OF THE CODE OF VIRGINIA, 1950 AS AMENDED, THAT AORE SUBMITTED FOR EACH LOT IN THIS SUBDIVISION IN ACCORDANCE TO AND COME WITHIN THE APPLICABLE OF THE VIRGINIA DEPARTMENT OF HEALTH AND LOCAL STAFFORD COUNTY CODES. ALL PROPOSED ONSITE SEWAGE DISPOSAL SYSTEMS AREAS (PRIMARY AND RESERVE) WILL SUPPORT SYSTEMS THAT HAVE GENERAL APPROVAL UNDER OR FOR WHICH DESIGN CRITERIA ARE CONTAINED IN THE SEWAGE HANDLING AND DISPOSAL REGULATIONS (EXCLUDES PROVISIONAL SYSTEMS, ENVIRONMENTAL SYSTEMS, AND SYSTEMS WITH CONDITIONS). I RECOMMEND APPROVAL OF THIS SUBDIVISION DANNY RAY HATCH, AOSE #008

*Danny Ray Hatch*  
 (SIGNATURE) DATE 5/19/06

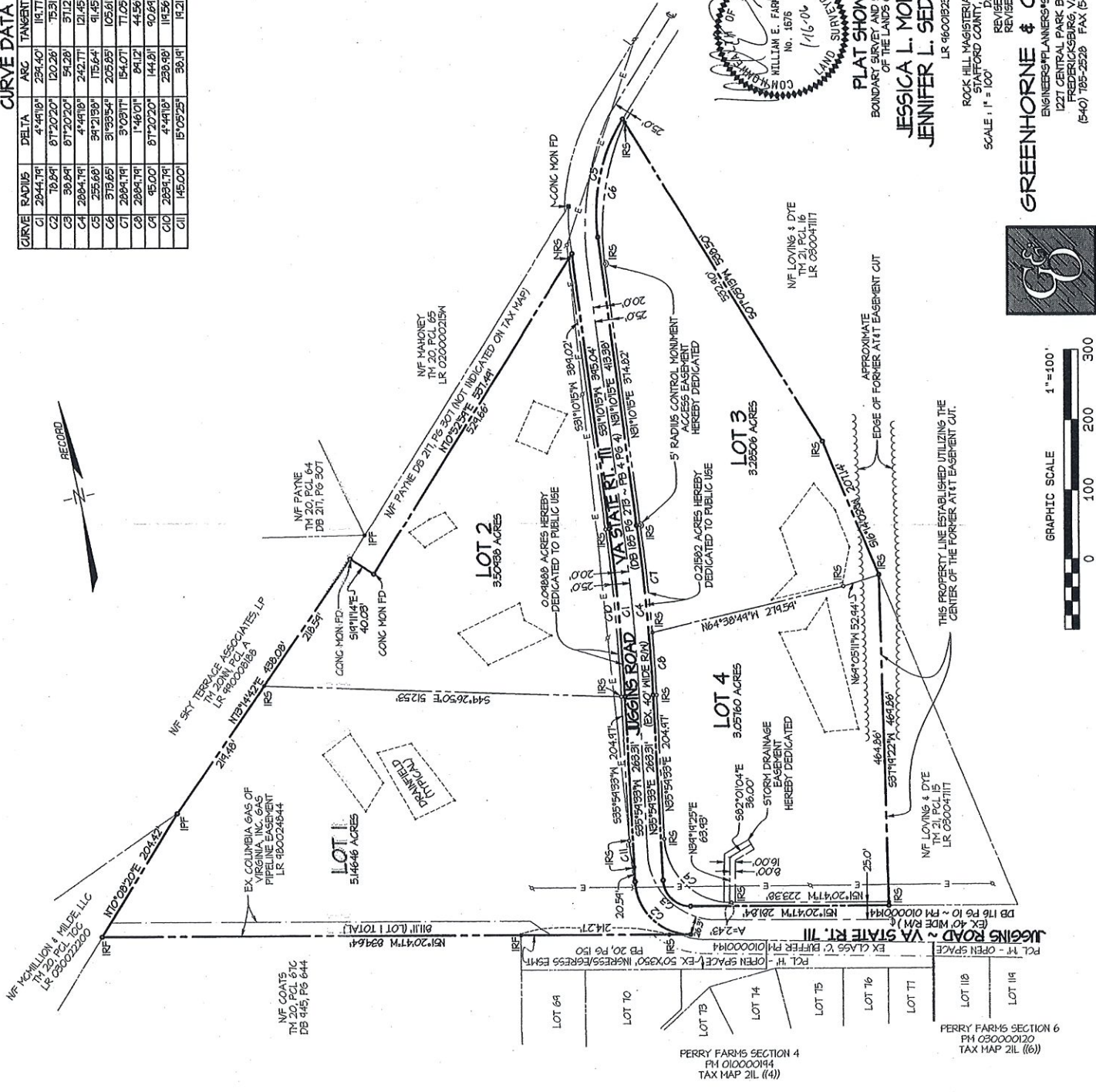


**GREENHORNE & O'MARA, INC.**  
 ENGINEERS/PLANNERS/SURVEYORS  
 1227 CENTRAL PARK BOULEVARD  
 FREDERICKSBURG, VA 22401  
 (540) 725-2529 FAX (540) 785-4814

ROCK HILL MAGISTERIAL DISTRICT  
 STAFFORD COUNTY, VA DATE: MARCH 6, 2005  
 SCALE: 1" = 100' DATE: NOVEMBER 30, 2005  
 REVISED: JANUARY 16, 2006

**CURVE DATA**

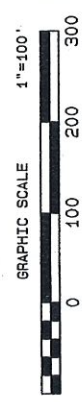
CURVE	RADIUS	DELTA	ARC	TANGENT	CHORD BEARING	CHORD
C1	294.41'	4°44'18"	294.40'	114.77'	S83°54'54"N	294.53'
C2	79.29'	87°20'20"	120.28'	75.31'	S07°40'37"E	108.95'
C3	39.29'	87°20'20"	54.28'	37.12'	S07°40'37"E	53.71'
C4	288.41'	4°44'18"	242.11'	121.45'	N83°34'54"E	242.64'
C5	255.60'	34°21'39"	175.64'	91.45'	N50°51'04"E	172.21'
C6	373.65'	31°53'54"	205.63'	105.61'	S46°51'12"W	203.25'
C7	288.41'	3°02'31"	154.07'	77.03'	S82°41'54"W	154.05'
C8	288.41'	1°46'01"	84.07'	44.58'	S85°06'35"W	84.11'
C9	95.00'	87°20'20"	144.81'	90.64'	S07°40'37"E	181.14'
C10	288.41'	4°44'18"	238.98'	119.56'	N83°34'54"E	238.91'
C11	145.00'	15°03'25"	38.14'	14.21'	N29°28'51"E	39.02'



**PLAT SHOWING**  
BOUNDARY SURVEY AND SUBDIVISION  
OF THE LANDS OF  
**JESSICA L. MONAHAN &**  
**JENNIFER L. SEDELMAYER**  
LR 96008231

ROCK HILL MAGISTERIAL DISTRICT  
STAFFORD COUNTY, VIRGINIA  
DATE FILED: MARCH 6, 2005  
REVIEWED BY: FEBRUARY 30, 2005  
REVISED: JANUARY 16, 2004

**GREENHORNE & OMARA, INC.**  
ENGINEERS/PLANNERS/SURVEYORS  
1207 CENTRAL PARK BOULEVARD  
FREDERICKSBURG, VA 22401  
(540) 785-2528 FAX (540) 785-4814



**Dominion Soil Science, Inc.**

5110 Southpoint Pkwy, Fredericksburg, VA 22407  
Phone (540) 710-1218 • Fax (540) 710-1219

Page 1 of 13

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

Health Department ID# \_\_\_\_\_ (VDH Use)

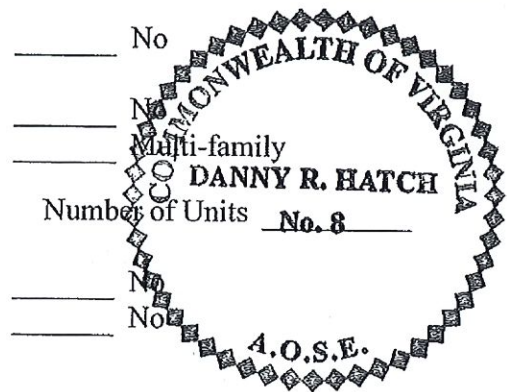
Owner William Monahan Telephone 607-785-2528  
Address 180 Nelson Road, Vestal NY 13850

Agent Same Telephone \_\_\_\_\_  
Address \_\_\_\_\_

Directions to Property: From I-95 take 610 West to right on Doc Stone Rd. to left on Juggins Road;  
property on left and right

Subdivision \_\_\_\_\_ Section \_\_\_\_\_ Block \_\_\_\_\_ Lot 2  
Other Property Identification \_\_\_\_\_ Map Reference TM-20-66  
Dimension/size of Lot/Property 3.50938 AC

**Residential Use** X Yes \_\_\_\_\_ No  
Termite Treatment X Yes \_\_\_\_\_ No  
X Single Family \_\_\_\_\_ Multi-family  
Number of Bedrooms 4  
Basement X Yes \_\_\_\_\_ No  
Fixtures in Basement X Yes \_\_\_\_\_ No



**Proposed Sewage Disposal Method:**

Onsite Sewage Disposal System: \_\_\_\_\_ Septic Tank Drainfield \_\_\_\_\_ LPD \_\_\_\_\_ Mound X\* Other  
\* Drip with FAST pretreatment

**Water Supply:** \_\_\_\_\_ Public \_\_\_\_\_ New \_\_\_\_\_ Existing  
X Private X New \_\_\_\_\_ Existing

Describe: Drilled IIIB

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.

\_\_\_\_\_  
Signature of Owner/Agent

\_\_\_\_\_  
Date

# Site Sketch Monahan Property Lot 2

**Notes:**

1-On and off site features noted within 200 feet of proposed drainfield and well areas are shown.

Scale 1 inch=100± feet

Pit #

P1-P5 (primary)

P1-P4 (reserve)

Slope Direction →

6% (primary)

9% (reserve)


Drainfield Corner Stakes

A-E (primary)


K-N (reserve)

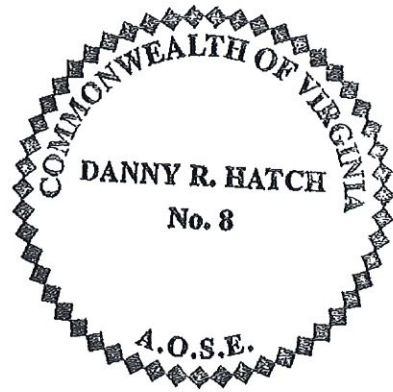
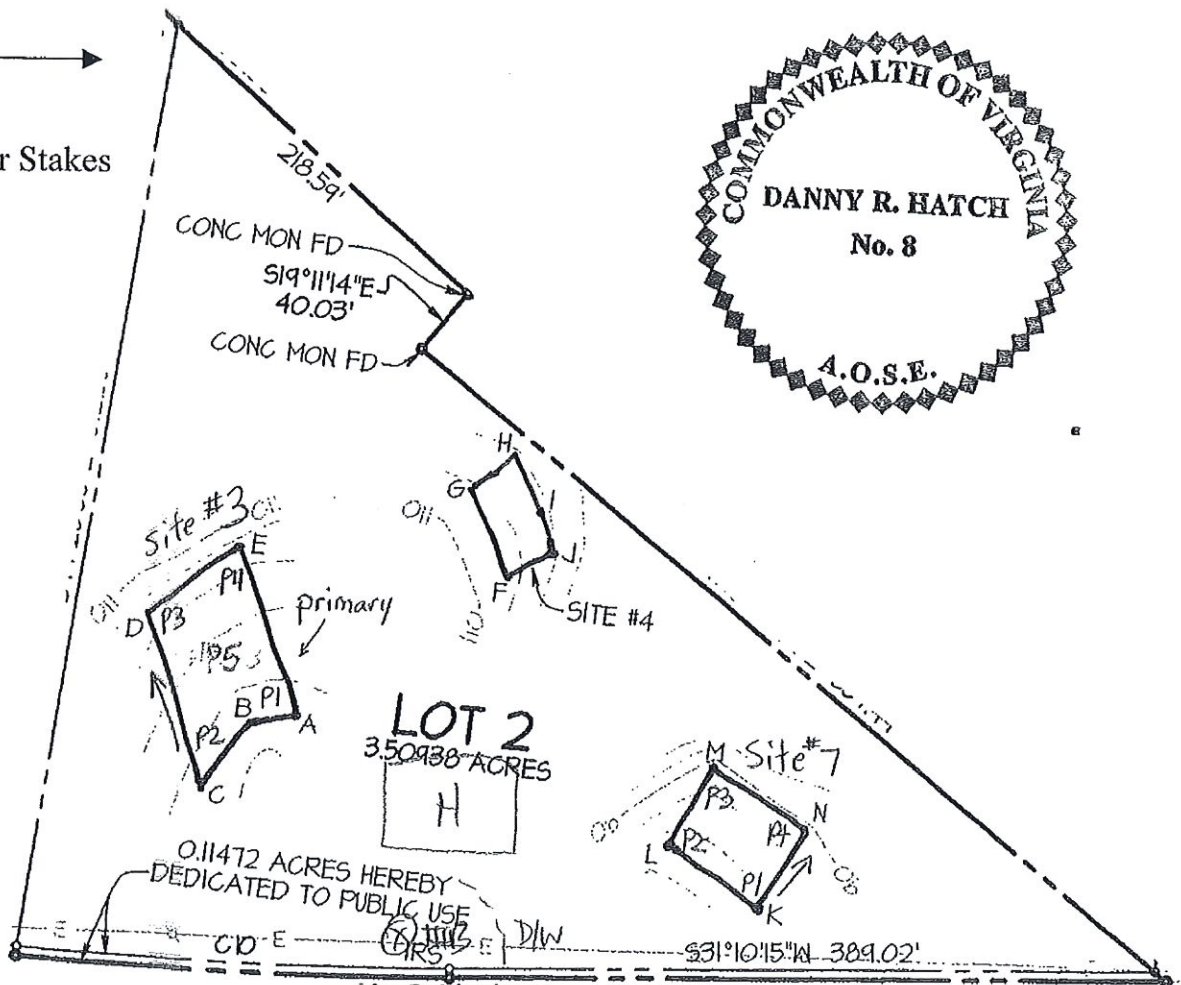
F-J (addition area)

Well Site

III S proposed 

House

proposed 





DANNY R. HATCH  
No. 8

Page 3 of 13

**Abbreviated Design Form**  
Primary (Drip w/ Pre-treatment)  
Lot 2 (site 3)

*Res*

**Design Basis**

A.	a. Estimated percolation rate. (minute per inch)	80
	b. Recommended drip tubing installation. (inches)	1-6
	c. Depth to impervious strata/ pervious Cr horizon/ or water table/ or limit of evaluation. (inches)	36/33/26/36
	d. Minimum separation distance required. (inches)	18/12/12/18
	e. Separation distances in inches provided in design (Ac-Ab).	30/27/20/30
	f. Minimum trench bottom due to slope ((% slope - 8)/2 + (12 or 18)), (inches)	N/A
	g. Is the slope greater than 10, 20 or 30%?	No
	h. If Ag is Yes, does 24 inches or greater to rock/impervious strata exist below Ab?	N/A
	i. If no to Ag, add 17% more area for 10-19% slope, 33% for 20-29% slope, or 50% for 30-39% slope.	0
B.	Area square feet required	
	per bedroom from (Table 5.4 GMP).	LPD 375
C.	Number of bedrooms	4

**Area Calculations**

D.	a. Length of lines. (feet)	66
	b. Length of available area. (feet)	63-70
E.	Width of line. (inches)	1
F.	Number of lines.	35
G.	Center-to-center spacing. (feet)	2
H.	a. Width required (G(F-1) + E). (feet)	68
	b. Width of available area. (feet)	100
I.	Total square footage required (B x C x 3 {drip}).	4500
J.	Square footage (area) in footprint (Da x Hb).	6600
K.	Linear feet of drip tubing required (I ÷ 2).	2250
L.	Drip tubing provided (Da x F).	2310
M.	Is a reserve area required?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Percent required	100
	Percent available	100+

Notes: See attached abbreviated design for Puraflo reserve. Addition area available (site 3) 30 x 66 and (site 4) 28 x 54 if needed.

**Abbreviated Design Form**  
**Lot 2 (Puraflo w/ trenches)**  
 (100% Reserve)

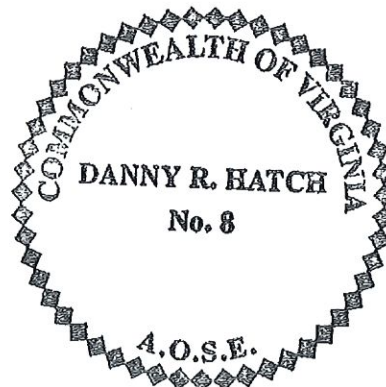
*Pri*

**Design Basis**

A.	a. Estimated percolation rate. (minutes per inch)	75
	b. Recommended trench bottom. (inches)	12
	c. Depth to impervious strata/ pervious Cr horizon/or water table/ or limit of evaluation. (inches)	48/34/48/48
	d. Minimum separation distance required. (inches)	18/12/12/18
	e. Separation distances in inches provided in design (Ac-Ab).	36/22/36/36
	f. Minimum trench bottom due to slope ( $(\% \text{ slope} - 8)/2 + (10)$ ). (inches)	10.5
	g. Minimum <b>uphill</b> trench bottom due to slope ( $\% \text{ slope} \times .01 \times 24'' + Ab$ ). (in.)	14.16
	h. Is the slope greater than 10%?	No
	i. <b>If Ag is Yes, does 24 inches or greater to rock/ impervious strata exist below Ab?</b>	N/A
	j. If yes to Ah, add 1 ft. to the minimum center-to-center spacing beginning at 20% slope and continue for each 10% slope increase above 20%. If no to Ai, add 1 ft. to the minimum center-to-center spacing beginning at 10% slope and continue for each 10% slope increase above 10%. (Report the value, in feet, of the increase in center-to-center spacing above the minimum.	0
B.	Trench bottom square feet required	
	loading rate from GMP (Table 2).	.67
C.	Number of bedrooms (design flow gpd)	4(600)

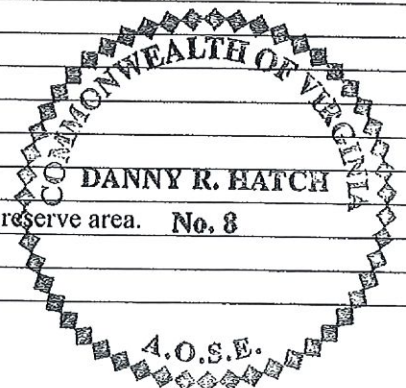
**Area Calculations**

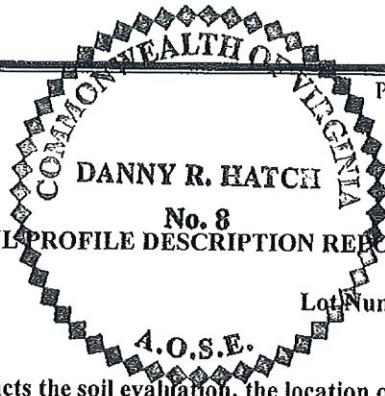
D.	a. Length of trench. (feet)	64
	b. Length of available area. (feet)	64
E.	Width of trench. (feet)	2
F.	Number of trenches.	7
G.	Center-to-center spacing. (feet)	6
H.	a. Width required $(G(F-1) + E)$ . (feet)	38
	b. Width of available area. (feet)	49
I.	Total square footage required $(C+B)$ .	896
J.	Square footage in design $(Da \times E \times F)$ .	896



## Soil Summary Report Primary (Site 3)

General Information											
Date:		03-23-05		Submitted to:		Stafford County Health Department					
Applicant:		William Monahan				Telephone No:		607-785-2528			
Address:		180 Nelson Road, Vestal NY 13850									
Owner:		Same									
Address:											
Location:		From I-95 take 610 West to right on Doc Stone Rd. to left on Juggins Road; property on left and right									
Tax Map:		TM-20-66				Subdivision:					
Block/Section:						Lot:		2			
1. Position in landscape satisfactory:		Yes									
Describe:		Summit in mature hardwood trees									
2. Slope		6%									
3a. Depth to rock or impervious strata		Max.		> 36 inches		Min.		>36			
3b. Depth to pervious Cr horizon		Max.		> 43 inches		Min.		33			
4. Depth to seasonal water table (gray mottling or gray color)		No		Yes		X		26		inches	
5. Free water present		No		X		Yes		range in inches			
6. Soil percolation rate estimated		Yes		X		Texture group		I		II III IV	
		No				Estimated rate		80		min/inch	
7. Permeability test performed		Yes		X		No					
If yes, note type of test performed and attach:											
X Site Approved:		Drainfield to be placed at 1-6 inch 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 too seasonal water table.									
4.		Rate of absorption too slow.									
5.		Insufficient area of acceptable soil for required drainfield, and/or reserve area. No. 8									
6.		Proposed system too close to well.									
7.		Other: specify (attach additional pages if necessary)									





**DANNY R. HATCH**  
**No. 8**  
**SOIL PROFILE DESCRIPTION REPORT**

Page 6 of 13

Date of Evaluation 2/9/05

Lot Number 3 (primary)

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 on 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
P-1	A	0-1	Light reddish brown (2.5YR6/3) silt loam; weak medium granular structure.	III
	E	1-5	Light yellowish brown (10YR6/4) loam; weak medium subangular blocky structure.	II
	Bt	5-16	Yellowish red (5YR5/6) heavy silty clay loam; moderate medium subangular blocky structure.	III
	Bct	16-25	Yellowish red (5YR5/6) heavy silt loam; common medium prominent yellow (10YR7/8) mottles; weak coarse subangular blocky structure parting to moderate medium platy structure.	III
	C	25-36	Mottled weak red (10R5/4) and yellowish red (5YR5/6) silt loam.	III
	Cr	36-45	Pervious schist.	N/A
P-2	A	0-2	Light yellowish brown (2.5Y6/3) silt loam; weak medium granular structure; 5% round gravel.	III
	E	2-7	Light yellowish brown (2.5Y6/4) silt loam; weak coarse subangular blocky structure; 5% round gravel.	III
	Bt	7-18	Yellowish brown (10YR5/6) clay loam; weak coarse subangular blocky structure parting to weak medium subangular blocky structure; 5% round gravel.	III
	2BC	18-36	Mottled yellowish brown (10YR5/6), red (10R4/6), white (10YR8/1) (parent material) silty clay; massive structure.	IV
P-3	A	0-3	Light yellowish brown (2.5Y6/3) gravelly silt loam; moderate medium granular structure; 20% round gravel.	III
	E	3-7	Light yellowish brown (2.5Y6/4) silt loam; weak medium subangular blocky structure; 10% round gravel.	III
	Bt	7-24	Yellowish red (5YR5/6) silt loam; weak medium subangular blocky structure.	III
	C	24-33	Mottled red (2.5YR4/6) and yellow (10YR7/8) silt loam.	III
	Cr	33-43	Pervious schist.	N/A

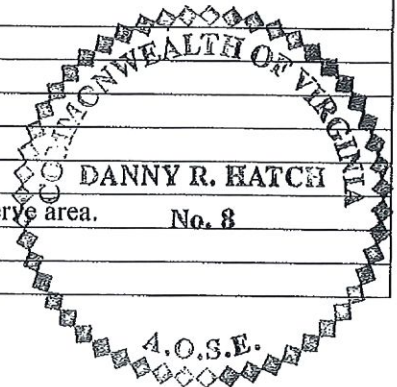


Hole #	Horizon	Depth (inches)	Description of color, texture, etc	Texture Group
P-4	A	0-3	Light yellowish brown (2.5Y6/3) gravelly silt loam; moderate medium granular structure; 20% round gravel.	III
	E	3-8	Light yellowish brown (2.5Y6/4) silt loam; weak medium subangular blocky structure; 10% round gravel.	III
	2Bt	8-20	Yellowish red (5YR5/6) silt loam; weak medium subangular blocky structure.	III
	2C	20-38	Mottled strong brown (7.5YR5/6) and pale yellow (2.5Y7/3) channery silt loam; massive structure; 30% crushable channers.	III
P-5	A	0-3	Light yellowish brown (2.5Y6/3) silt loam; weak medium granular structure; 5% round gravel.	III
	E	3-9	Light yellowish brown (2.5Y6/4) silt loam; weak coarse subangular blocky structure; 5% round gravel.	III
	Bt1	9-14	Strong brown (7.5YR5/6) silty clay loam; weak fine subangular blocky structure parting to weak medium subangular blocky structure; common distinct clay films; 5% round gravel.	III
	2Bt2	14-20	Yellowish red (5YR5/6) silty clay; moderate fine subangular blocky structure parting to moderate medium subangular blocky structure; many distinct clay films.	IV
	2BCt	20-26	Yellowish red (5YR5/6) silty clay loam; moderate medium platy structure; common distinct clay films.	IV
	2C	26-41	Mottled red (2.5YR5/6) and strong brown (7.5YR4/6) silt loam; few medium distinct light brownish gray (10YR6/2) iron depletions; massive structure.	III



**Soil Summary Report  
Reserve (Site 7)**

General Information											
<b>Date:</b>	03-23-05	<b>Submitted to:</b>	Stafford County Health Department								
<b>Applicant:</b>	William Monahan					<b>Telephone No:</b>	607-785-2528				
<b>Address:</b>	180 Nelson Road, Vestal NY 13850										
<b>Owner:</b>	Same										
<b>Address:</b>											
<b>Location:</b>	From I-95 take 610 West to right on Doc Stone Rd. to left on Juggins Road; property on left and right										
<b>Tax Map:</b>	TM-20-66				<b>Subdivision:</b>						
<b>Block/Section:</b>					<b>Lot:</b>	2					
<b>1. Position in landscape satisfactory:</b>	Yes										
<b>Describe:</b>	Backslope in mature hardwood trees										
<b>2. Slope</b>	9 %										
<b>3a. Depth to rock or impervious strata</b>	<b>Max.</b>	> 48 inches	<b>Min.</b>								
<b>3b. Depth to pervious Cr horizon</b>	<b>Max.</b>	> 48 inches	<b>Min.</b>	34							
<b>4. Depth to seasonal water table (gray mottling or gray color)</b>	No	X	Yes								
<b>5. Free water present</b>	No	X	Yes	range in inches							
<b>6. Soil percolation rate estimated</b>	Yes	X	No	<b>Texture group</b>	I	II	III	IV			
				<b>Estimated rate</b>	75	min/inch					
<b>7. Permeability test performed</b>	Yes		No	X							
<b>If yes, note type of test performed and attach:</b>											
<input checked="" type="checkbox"/>	<b>Site Approved:</b> Drainfield to be placed at 12 inch depth at site designated on permit.										
<input type="checkbox"/>	<b>Site Disapproved:</b>										
<b>Reasons for rejection:</b>											
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 too seasonal water table.										
4.	Rate 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)										



SOIL PROFILE DESCRIPTION REPORT

pg. 9 of 13

Date of Evaluation 4/11/05 Site# 7(reserve) Lot Number 2

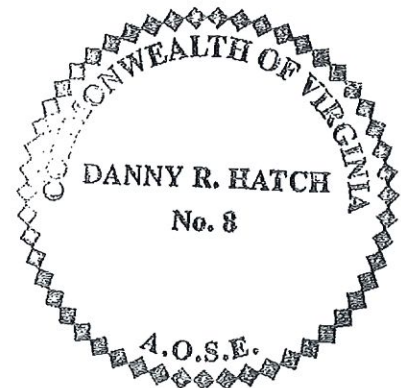
Where the local health department conducts the soil evaluation, the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch 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 the this page or prepared on a separate page and attached on this form.

See application sketch

See construction permit

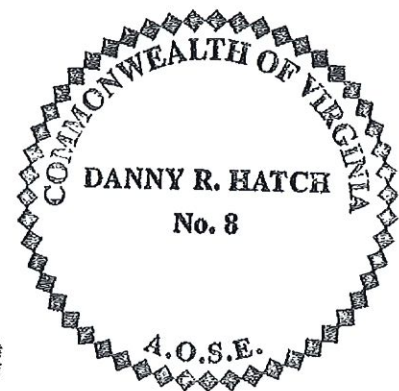
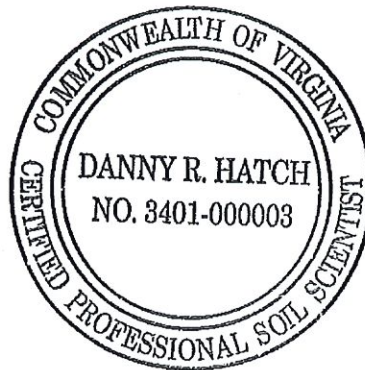
(X) See sketch on reverse side or page attached to this form.

Hole #	Horizon	Depth (Inches)	Description of color, texture, etc	Texture Group
P-1	A	0-4	Dark gray brown (10YR4/2) gravelly silt loam; moderate medium granular structure; 20 percent rounded gravel; friable.	III
	E	4-9	Light yellowish brown (10YR6/4) gravelly silt loam; weak medium subangular blocky structure; 20 percent rounded gravel; friable.	III
	Bt1	9-15	Yellowish brown (10YR5/6) silty clay loam; moderate medium subangular blocky structure; common distinct clay films; 10 percent rounded gravel; friable.	III
	2Bt2	15-25	Strong brown (7.5YR5/8) heavy silty clay loam; moderate medium subangular blocky structure; common distinct clay films; friable.	III
	2C	25-34	Mottled yellowish red (5YR5/6), yellow (10YR7/8) and dark yellowish brown (10YR4/4) light silt loam; massive structure; friable.	III
	2Cr	34-50	Pervious schist	
P-2	A	0-3	Dark gray brown (10YR4/2) silt loam; moderate medium granular structure; friable.	III
	Bt	3-20	Yellowish red (5YR5/6) heavy silty clay loam; moderate medium subangular blocky structure; common distinct clay films; friable.	III
	Bct	20-31	Yellowish red (5YR5/6) light silty clay loam; few medium prominent yellow (10YR7/8) and weak red (10R4/4) mottles; weak coarse subangular blocky structure; few distinct clay films; friable.	III
	C	31-60	Mottled yellowish red (5YR5/6), yellow (10YR7/8) and dark yellowish brown (10YR4/4) light silt loam; massive structure; friable	III



Date of Evaluation 4/11/05 Site# 7(reserve) Lot Number 2

Hole #	Horizon	Depth (Inches)	Description of color, texture, etc	Texture Group
P-3	A	0-2	Dark gray brown (10YR4/2) silt loam; moderate medium granular structure; friable.	III
	Bt	2-20	Yellowish red (5YR5/6) heavy silty clay loam; moderate medium subangular blocky structure; common distinct clay films; friable.	III
	C	20-36	Yellowish red (5YR5/6) very channery silt loam; massive structure; 60 percent soft schist channers; friable	III
	Cr	36-48	Pervious schist	III
P-4	A	0-2	Dark gray brown (10YR4/2) gravelly silt loam; moderate medium granular structure; 20 percent rounded gravel; friable.	III
	E	2-12	Light yellowish brown (10YR6/4) gravelly silt loam; weak medium subangular blocky structure; 20 percent rounded gravel; friable.	III
	2Bt	12-29	Yellowish red (5YR5/6) silty clay; moderate fine subangular blocky structure; many distinct clay films; friable	IV
	2BCt	29-36	Yellowish red (5YR5/6) light silty clay loam; few medium prominent yellow (10YR7/8) and weak red (10R4/4) mottles; weak coarse subangular blocky structure; few distinct clay films; friable.	III
	2C	36-62	Mottled yellowish red (5YR5/6), yellow (10YR7/8) and dark yellowish brown (10YR4/4) light silt loam; massive structure; friable	III



pg. 11 of 13

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation 2/9/05 Site# 4 Lot Number 2 (additional)

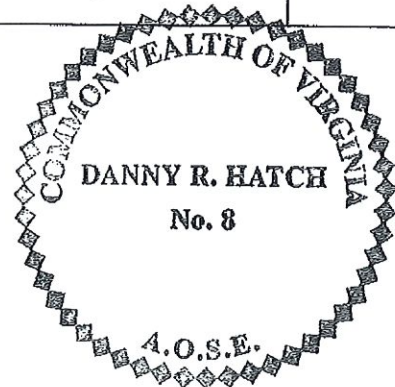
Where the local health department conducts the soil evaluation, the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch 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 the this page or prepared on a separate page and attached on this form.

See application sketch

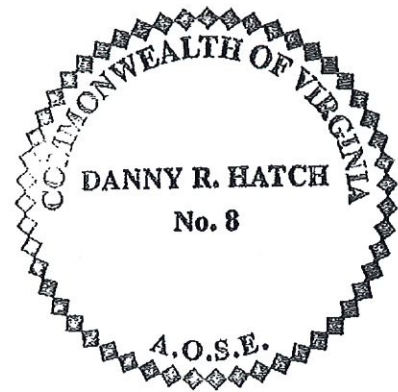
See construction permit

(X) See sketch on reverse side or page attached to this form.

Hole #	Horizon	Depth (Inches)	Description of color, texture, etc	Texture Group
P-1	A	0-1	Light olive brown (2.5Y5/3) silt loam; moderate medium granular structure.	III
	E	1-4	Light yellowish brown (10YR6/4) silt loam; moderate medium subangular blocky structure.	III
	Bt	4-24	Strong brown (7.5YR5/6) silty clay; weak coarse subangular blocky structure parting to moderate fine subangular blocky structure.	IV
	C	24-40	Mottled yellowish brown (10YR5/6) and light yellowish brown (2.5Y6/3) silt loam; massive structure.	III
P-2	A	0-2	Light olive brown (2.5Y5/3) silt loam; moderate medium granular structure.	III
	E	2-7	Light yellowish brown (10YR6/4) silt loam; moderate medium subangular blocky structure.	III
	Bt	7-22	Strong brown (7.5YR5/6) silty clay; weak coarse subangular blocky structure parting to moderate fine subangular blocky structure.	IV
	C	22-45	Mottled yellowish brown (10YR5/6) and light yellowish brown (2.5Y6/3) silt loam; massive structure.	III
P-3	A	0-1	Light olive brown (2.5Y5/3) silt loam; moderate medium granular structure.	III
	E	1-6	Light yellowish brown (10YR6/4) silt loam; moderate medium subangular blocky structure.	III
	Bt	6-24	Yellowish red (5YR5/6) silty clay; moderate fine subangular blocky structure; many distinct clay films.	IV
	C	24-44	Mottled yellow (10YR7/8) and strong brown (7.5YR5/8) silt loam; massive structure.	III



Hole #	Horizon	Depth (Inches)	Description of color, texture, etc	Texture Group
P-4	A	0-2	Light olive brown (2.5Y5/3) silt loam; moderate medium granular structure.	III
	E	2-7	Light yellowish brown (10YR6/4) silt loam; moderate medium subangular blocky structure.	III
	Bt	7-19	Strong brown (7.5YR5/6) silty clay; weak coarse subangular blocky structure parting to moderate fine subangular blocky structure.	IV
	C	19-30	Mottled yellow (10YR7/8), dark brown (7.5YR4/4), and white (10YR8/1) silt loam; massive structure; 10% crushable channers; slightly dense in place.	III
	Cr	30-45	Pervious schist.	N/A
P-5	A	0-1	Light olive brown (2.5Y5/3) silt loam; moderate medium granular structure.	III
	E	1-6	Light yellowish brown (10YR6/4) silt loam; moderate medium subangular blocky structure.	III
	Bt	6-21	Yellowish red (5YR5/6) silty clay; moderate fine subangular blocky structure; many distinct clay films.	IV
	C	21-45	Mottled yellow (10YR7/8) and strong brown (7.5YR5/8) silt loam; massive structure.	III



### Certification Statement

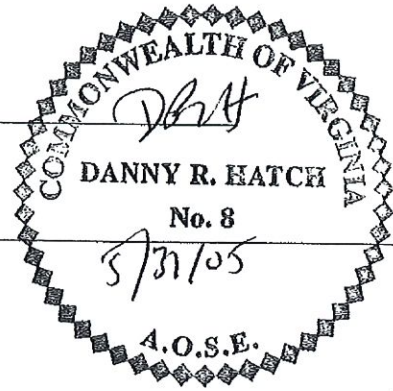
County: Stafford Date: 5/25/05

Property Identification: William Monahan Lot 2; TM 20-66

Submitted by: Danny R. Hatch, CPSS# 3401-000003

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 **subdivision approval** (1) be approved (2).

AOSE Danny R. Hatch



Danny R. Hatch, CPSS  
Virginia Certified Professional Soil Scientist  
5110 Southpoint Parkway  
Fredericksburg, Virginia 22407

(1) This blank must be filled in with one of the following terms: 'permit', certification letter', or subdivision approval'.  
(2) This blank must be filled in with either the term 'approved' or 'denied'.