



VDH Approval Letter for Issuing AOSE/PE Certification Letter

Northampton County Health Department
P. O. Box 248 / 7114 Lankford Highway
Nassawadox, VA 23413
(757) 442-6228 / (757) 442-4307

December 1, 2006

Paul E. Forst
3400 N. Pine Circle
Westminster, MD 21157

Subject: H.D.I.D# 06-165-0752, Subdivision: king's Creek Landing,
Tax Map#: 84I((2))80, Acres: .457, Lot: 80

Dear Owner(s):

This certification letter is issued in accordance with § 32.1-163, et seq. of the *Code of Virginia* and is issued in response to your application for a certification letter submitted pursuant to §32.1-163.5 of the *Code of Virginia* and the Authorized Onsite Soil Evaluator Regulations (12 VAC 5-615-10 et seq., the *AOSE Regulations*).

The Code of Virginia requires the Virginia Department of Health ("VDH") to accept site and soil evaluations and designs from an Authorized Onsite Soil Evaluator ("AOSE") or a Professional Engineer working in consultation with an AOSE ("AOSE/PE"). On November 27, 2006, James B. Moore, AOSE, certified that the footprint shown on the attached surveyed plat(s)/sketch(s) complies with the current laws, regulations, and policies administered by the VDH. This certification letter is issued in lieu of a construction permit and relies upon the AOSE certification. Please be advised that VDH is not required to perform a field check to verify the AOSE's work and such a field check may not have been conducted before issuing this approval.

The footprint shown on the attached survey plat(s)/sketch(s) can treat and disperse 450 gallons per day of secondary effluent under the *Sewage Handling and Disposal Regulations* ("Regulations"), which are the regulations currently in effect. For residential development, the *Regulations* expect that a peak daily flow of 150 gallons per bedroom might occur on rare occasions. Estimated peak and average daily flows vary for commercial development.

This letter certifies that VDH will issue a permit to construct a sewage system or water

VDH VIRGINIA
DEPARTMENT
OF HEALTH
Protecting You and Your Environment

supply (if applicable) when such application is made in the future provided there have been no substantial physical changes to the footprint. This letter does not guarantee that a permit for a specific type of system will be issued. The design of the sewage system will be determined at the time of application for a construction permit, and will be based on the site and soil conditions certified by this letter, the regulations in effect at the time of the application, and any off-site impacts that may have occurred since the issue date of this letter. In some cases, VDH may require engineering plans and specifications before issuing the construction permit.

Future owners are advised to review the footprint's location and to make sure that their building plans do not interfere with the footprint. Please review the work of the AOSE to determine whether any specific design might be required in the future and whether all local ordinances are met. You can obtain this information by contacting the AOSE: James Moore, 3360 Broadwater Road, Exmore, Virginia 23350, telephone (757) 710-4620 or the Northampton County Health Department. For assistance or questions, contact the AOSE *prior to* contacting the Northampton County Health Department.

This certification does not expire and shall convey with the title to the property until a construction permit is issued within the footprint. This certification letter and accompanying survey plat(s)/sketch(s) showing the footprint's location and well area (if applicable) may be recorded in the land records by the clerk of the circuit court holding jurisdiction.

In accordance with § 32.1-164.1:1 of the *Code of Virginia*, owners can only apply for a sewage construction permit when they are ready to begin construction. The property owner can convert this letter into a construction permit by making application to the local health department. No additional fee shall be charged if it is converted to a construction permit within 18 months from the issue date of this letter, by June 1, 2008. If more than 18 months elapses, then the Northampton County Health Department shall impose applicable fees.

The footprint shown on the plat(s)/sketch(s) is specific and must not be disturbed or encroached upon. This letter is null and void if any substantial physical change in the site or soil conditions occurs where the footprint is shown. This certification letter is null and void if conditions are changed from those shown on your application or if conditions are changed from those certified by the AOSE. The Virginia Department of Health may revoke or modify any certification letter if it finds that the site and soil conditions do not substantially comply with the *Regulations* or if a future sewage system would threaten public health or the environment.

Sincerely,



Felton T. Sessoms

Environmental Health Specialist Sr.

Attachments

Pc: James Moore, 3360 Broadwater Road, Exmore, Virginia 23350

7239

C.D.R. / s
Perkins
attached

Commonwealth of Virginia

Application for a Sewage Disposal and Water Supply Certification Letter

Type of sewage system: ☐ New ☐ Repair ☐ Expanded ☐ Conditional (VDH Use) ID # 06-165-0752
Northampton County Health Department 265 Date 27-Nov-2006
Tax Map # 841-2-80

To Be Completed By The Applicant

Owner Paul E Forst Address 3400 N. Pine Circle Phone 410-848-4121
Westminster MD 21157
Agent Shore Soils Service, LLC Address 3360 Broadwater Road Phone 757-442-6170
SSS #06075 Exmore VA 23350

Directions to Property: From Lankford Highway, turn right onto Stone Road, Cape Charles; turn right onto Plumtree Road, right onto King's Creek Way and right onto Rogue Road; past 2nd cul-de-sac.

Subdivision King's Creek Landing Phase III Lot 80
Other Property Identification Tax Map No. 841-2-80
Dimension/Size of Lot/Property 0.457 acres

Building/facility	☒ New	☐ Existing	
Intermittent Use	☐ Yes	☒ No	If yes, describe _____
Residential Use	☒ Yes	☐ No	
Termite Treatment	☒ Yes	☐ No	
	☒ Single Family	☐ Multi-family	
	<u>3</u> Number of bedrooms	☐ Number of Units	
Basement	☐ Yes	☒ No	
Fixtures in Basement	☐ Yes	☒ No	
Commercial Use	☐ Yes	☒ No	Describe: _____
Commercial Wastewater	☐ Yes	☐ No	Number of Patrons _____
			Number of Emp _____

If yes, give volumes and describe _____

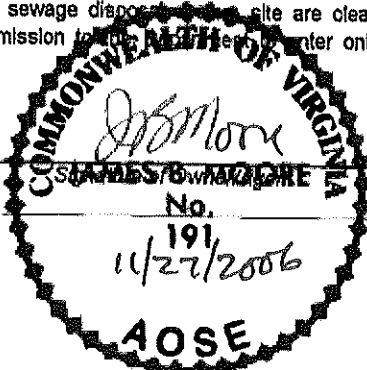
Proposed Sewage Disposal Method:

Onsite Sewage Disposal System: ☐ Septic Tank & Drainfield ☐ LPD ☐ Mound ☒ Other*
* Secondary Effluent

Water Supply:

☐ Public ☐ New ☐ Existing
☒ Private ☒ New ☐ Existing
Describe: Class IIIA deep well

The property lines and sewage disposal site are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Health Department to enter onto the property described for the purpose of processing this application.



27-Nov-06

Date

Commonwealth of Virginia

Soil Summary Report

ID # 06-165-0752

GENERAL INFORMATION

Date 12-Nov-2003 Submitted to: Northampton County Health Department
 Agent Shore Soils Service, LLC Address 3360 Broadwater Road Phone 757-442-6170

Exmore VA 23350

Owner Paul E Forst Address 3400 N. Pine Circle Phone 410-848-4121
Westminster MD 21157

Directions to Property: **From Lankford Highway, turn right onto Stone Road, Cape Charles; turn right onto Plumtree Road, right onto King's Creek Way and right onto Rogue Road; past 2nd cul-de-sac.**

Subdivision King's Creek Landing Phase III Lot 80

Other Property Identification _____ Tax Map No. 84I-2-80

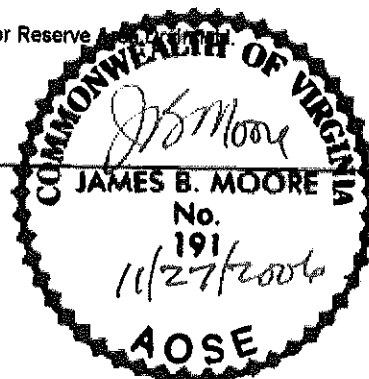
SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory: X Yes No Describe: Broad flat
2. Slope: <1 %
3. Depth to rock or impervious strata: Max Min X None
4. Depth to apparent seasonal water table: No X Yes 32 Inches
5. Free water present: No X Yes 38-40 Range (inches)
6. Soil percolation rate estimated: No X Yes Texture Group IIB Rate 30-35 mpi
7. Percolation test performed: X No Yes Measured Rate mpi

☒ Site ApprovedDrainlines to be placed at: 18 inches depth on site designated on permit.☐ Site Disapproved

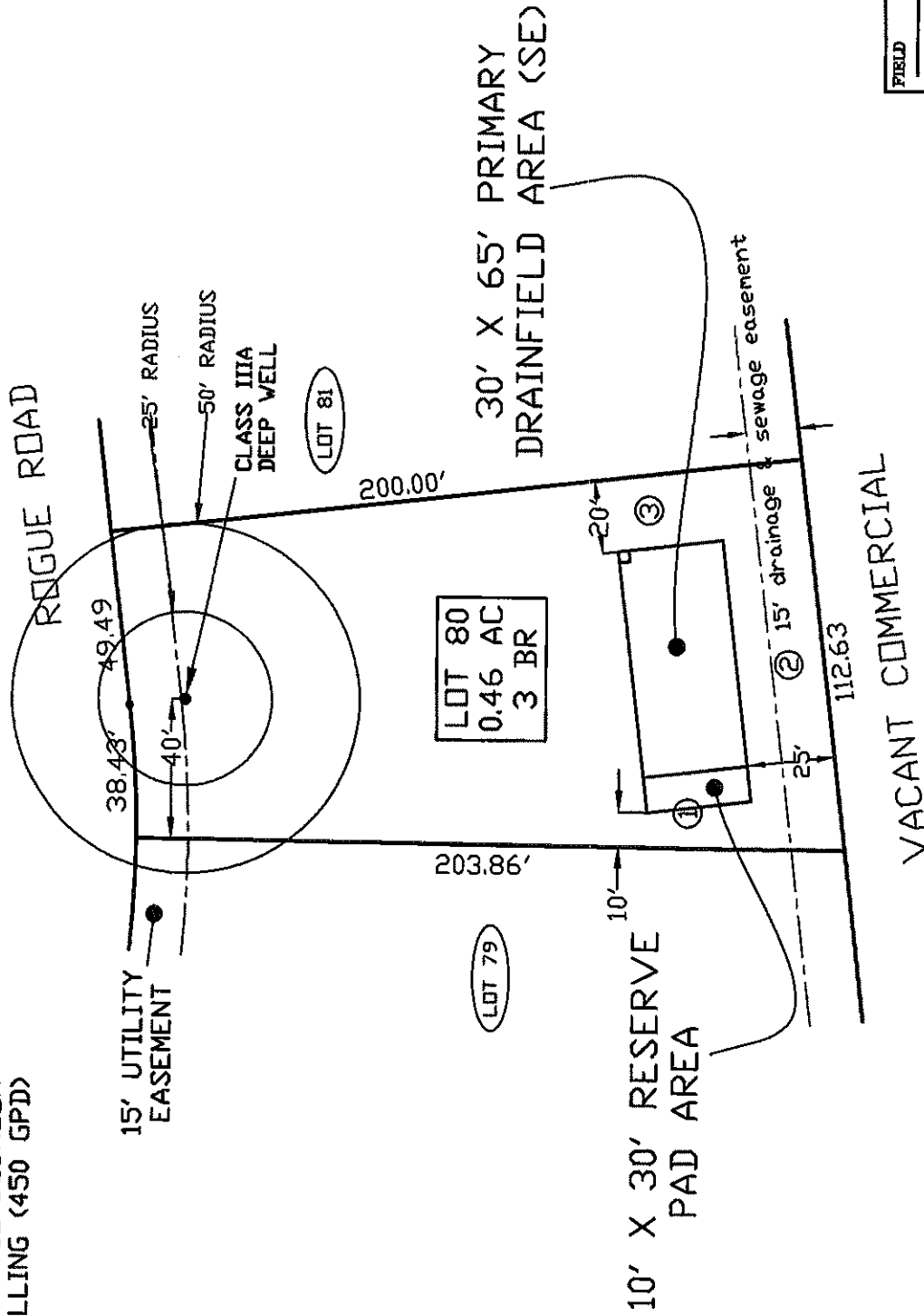
Reason for rejection:

- ☐ Position in landscape subject to flooding or periodic saturation.
☐ Insufficient depth of suitable soil over hard rock.
☐ Insufficient depth of suitable soil over seasonal/apparent seasonal water table.
☐ Rates of absorption too slow.
☐ Insufficient area of acceptable soil for required Primary and/or Reserve
☐ Proposed system too close to well.
☐ Other:



LOT 80
KINGS CREEK LANDING
TAX MAP # 84I-2-80
FOR THREE BEDROOM
DWELLING (450 GPD)

TYPE OF TREATMENT:
PRIMARY; SECONDARY EFFLUENT
RESERVE; ADVANCED SECONDARY EFFLUENT



3360 BROADWATER ROAD
EXMORE VIRGINIA 23350
(757) 442 6170
(757) 442 3805 FAX

FIELD	JBM
DESIGNED	JBM
DRAWN	JBM
JDH	
CHECKED	JBM

SSS PROJECT #06075
SCALE: 1" = 50'

NOTE: DEEP WELL LOCATION MUST BE A MINIMUM OF 50' FROM SOURCES OF POLLUTION SUCH AS SEWAGE DISPOSAL SYSTEMS, IMPROPERLY ABANDONED WELLS, BURIED FUEL TANKS, GRAVES, TERMITE TREATED FOUNDATIONS, ETC.

Date of
Evaluation 12-Nov-2003

Profile Description
SOIL EVALUATION REPORT

ID# 06-165-0752

Shore Soils Service, LLC # 06075
King's Creek Landing Lot 80

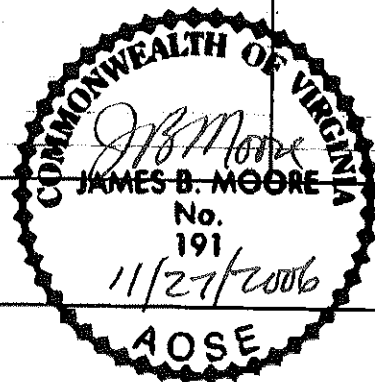
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Profile holes and sketch of the area investigated including all structural features eg., sewage disposal systems, wells, etc., within 100 feet of the site is shown on:

☒ See illustration for hole boring locations.

Hole #	Horizon	Inches Depth	Description of color, texture, etc.	Texture Group
1	Ap	0-12"	10YR 4/3 SANDY LOAM	II
	Bt1	12"-20"	10YR 5/6 SANDY LOAM	II
	Bt2	20"-30"	10YR 5/6 LOAM W/ 5/4 MOT	II
	BC	30"-36"	10YR 5/6 SANDY LOAM W/ 5/4 MOT	II
	CB	36"-38"	10YR 6/6 LOAMY SAND	I
	C	38"-48"	10YR 6/4 SAND, WET AND SLOUGHING FW @ 40"	I
2	Ap	0-12"	10YR 4/3 SANDY LOAM	II
	Bt1	12"-20"	10YR 5/6 SANDY LOAM	II
	Bt2	20"-28"	10YR 5/6 LOAM	II
	BC	28"-36"	10YR 5/6 SANDY LOAM W/ 5/4 MOT	II
	CB	36"-40"	10YR 6/6 LOAMY SAND	I
	C	40"-48"	10YR 6/4 SAND W/ 5YR 5/6 MOT @ 38": WET AND SLOUGHING	I
3	Ap	0-12"	10YR 4/3 SANDY LOAM	II
	Bt1	12"-20"	10YR 5/6 SANDY LOAM	II
	Bt2	20"-32"	10YR 5/6 LOAM W/ 6/2 MOT @ 32"	II
	BC	32"-36"	10YR 5/6 SANDY LOAM W/ 6/2, 5/4 MOT	III
	CB	36"-40"	10YR 6/6 LOAMY SAND W/ 6/2 MOT	I
	C	40"-48"	10YR 6/4 SAND W/ 6/2 MOT; WET AND SLOUGHING;	I

Remarks: Slope <1%. Primary with Secondary Effluent.



Commonwealth of Virginia

Abbreviated Design Form

ID # 06-165-0752**PROPERTY IDENTIFICATION**

Name of property / site: Paul E Forst

Subdivision King's Creek Landing Phase III Lot 80

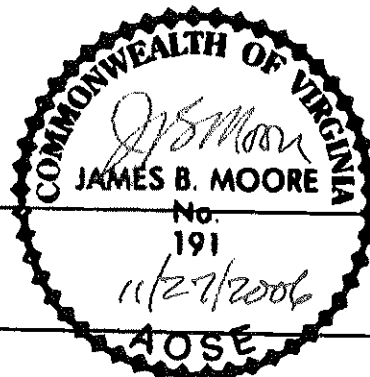
Other Property Identification _____ Tax Map No. 84I-2-80

DESIGN BASIS

- A. Estimated percolation rate: 30-35 mpi
- B. Trench bottom square footage required: (based on X gravity or _____ LPD)
- Per bedroom: 260
- Per 100-gallons: _____
- C. Number of bedrooms: 3 (at 150 gallons/bedroom) Total flow from bedrooms: 450 gpd
- Other: _____ (at _____ gpd) Total flows from other sources: _____ gpd
- _____ (at _____ gpd) Total Sewage Flows = 450 gpd
- _____ (at _____ gpd)

AREA CALCULATIONS

- D. Length of trenches: 65 ft (length of available area 65 ft)
- E. Width of trenches: 3 ft (width of available area 30 ft)
- F. Number of trenches: 4 (type Secondary effluent)
- G. Center-to-center spacing: 9 ft
- H. Required width of drainfield: 30 ft
- I. Total area required: 780 sf
- J. Square footage in design: 780 sf
- K. Is a reserve area required? X Yes _____ No: _____

Size: 100 % Area provided: 10' X 30'Type: **4 MODULE PURAFLO**

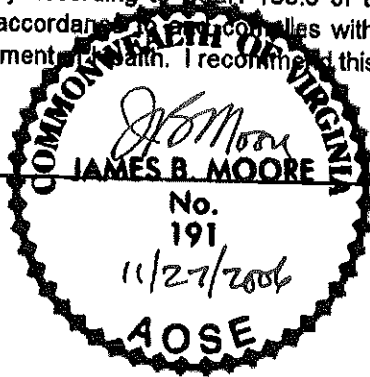
Commonwealth of Virginia

Certification Statement

ID # 06-165-0752**PROPERTY IDENTIFICATION**County: Northampton County Date: 11/27/2006Name of property / site: Paul E ForstSubdivision King's Creek Landing Phase III Lot 80Other Property Identification _____ Tax Map No. 841-2-80Submitted by: James B. Moore, R. E. H. S., AOSE # 191**CERTIFICATION OF WORK**

This is to certify according to S32.1-163.5 of the *Code of Virginia* that work submitted for the referred property is in accordance with the *Sewage Handling and Disposal Regulations* of the Virginia Department of Health. I recommend this lot be approved for a Certification Letter.

AOSE _____

Date: 11/27/2006



NORTHAMPTON COUNTY



Deviation from an Ordinance Imposing Minimum Separation Distances Application Form

Requirements

The standards established by this Ordinance shall apply to all lawful lots recorded in the Clerk's Office of the Circuit Court of Northampton County after 12/1/2005, and, to the extent possible, to all other lots in Northampton County. These standards are: (1) The minimum distance from bottom or sidewall of any subsurface absorption system trench, gravel pad or seepage bed to any property line, shall be 10 feet; (2) The minimum distance from bottom or sidewall of any subsurface absorption system trench, gravel pad or seepage bed to the boundary of any sewage system easement area shall be twenty-five (25) feet; (3) The minimum distance from any private well to any property line shall be twenty-five (25) feet; and (4) The minimum standoff for any secondary treated effluent from the bottom of any absorption trench or from the bottom of any trenchless system to the water table shall be a minimum of twelve inches.

Deviation Criteria

Applications eligible for deviations are as follows: (1) For any lot recorded prior to 12/1/2005 on which the standards established by this Ordinance can not be met, the Northampton County Planning Department, in consultation with the State Health Department, shall permit deviations from the standards established herein to the minimum extent necessary to permit the installation of the well or subsurface absorption system for which a permit is sought, (2) For any lot, recorded or not, which is the subject of a valid Virginia Department of Health Certification Letter dated not later than 12/1/2005, the standards of this Ordinance shall not apply for eighteen months after the effective date of this Ordinance. Thereafter, the Northampton County Planning Department, in consultation with the State Health Department, shall permit deviations from the standards established herein to the minimum extent necessary to permit the installation of the well or subsurface absorption system for which a permit is sought, and (3) If compliance with Section 2.a. would require the installation of a secondary treatment system, and a conventional sewage system could be installed in compliance with VDH Sewage Regulations, the placement of the conventional system will be allowed.

Deviation Eligibility

Current Owner's Name Paul E. Frost
Address 3400 N Pine Circle
City Westminster State MD Zip 21157
Phone 410-848 4121 Tax Map Number 84I-2-80
Zoning C DR1 / SKS PRN _____
Date Lot was Recorded 04

(Documentation of recordation must be provided before a deviation is considered.)

☒ Yes, this lot is eligible for a deviation ☐ No, this lot is not eligible for a deviation
(Eligibility will be determined only by the NHCO Zoning Administrator (or staff designee) after documentation has been provided.)

Deviation Request

A deviation request can only be made by the Virginia Department of Health after it has been determined by the NHCO Zoning Administrator (or designee) that the lot is eligible for a deviation.

Requested by [Signature] VDH Signature E. H. S. Title 12/1/06 Date

Supporting Facts _____

(This section must be completed to the satisfaction of the Northampton County Zoning Administrator before approval of the deviation.)

Deviation Determination

A deviation determination can only be made by the NHCO Zoning (or designee) after it has been determined the lot is eligible and VDH has made an official request with supporting facts.

Determination by _____
NHCO Signature _____ Title _____ Date _____

☐ Approved ☐ Denied