



Lord Fairfax Health District

Warren County Health Department
134 Peyton Street
Front Royal, Virginia 22630
Tel. (540) 635-3159 ~ Fax (540) 635-9698
www.vdh.virginia.gov



March 21, 2012

RE: Request for Evaluation of Existing System Prior to Issuance of a Bldg Permit
Tax Map: 31C-42; Health Dept. i.d. #: 187120043
owner: Miguel Cortes
page 1 of 2

David Beahm, Building Official
Warren County, Department of Building Inspections
Warren County Government Center
220 North Commerce Avenue, Suite 400
Front Royal, VA 22630

Dear *Mr. Beahm*:

Pursuant to Section 32.1-165 of the Code of Virginia, and your written request dated 3/8/12, I have evaluated the relevant items regarding the existing sewage disposal system and water supply serving the aforementioned property.

- 1.) The septic system appeared to be functioning adequately at the time of my inspection, although this is no guarantee of future satisfactory performance.*
- 2.) There is a permit dated 3/21/73 and a record of inspection dated 5/22/73 on file. The design flow was for 300 gallons per day, which allowed for one unit, with 3 bedrooms and 6 occupants maximum.*
- 3.) The system is a conventional gravity-feed septic tank and drainfield that was constructed to meet the standards in place at the time of permit issuance.*
- 4.) According to what was staked in the field by the owner, the footprint of the new modular home to be emplaced on the lot is 58' X 28', and will not have a basement. The proposed new dwelling must be placed no closer than ten (10) feet to any part of the septic system; if there is to be a basement, the new dwelling must be no closer than twenty (20) feet.*
- 5.) As staked in the field, the footprint of the new dwelling is less than 50' from the existing well. The new dwelling must not be chemically termite treated by soil injection. It is recommended to have the existing well tested for coliform and fecal coliform bacteria prior to placing it into service.*

This office has no objection to the proposed continued use of this sewage disposal system and water supply serving this existing home.

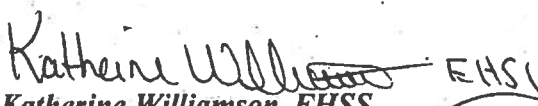
This report is only intended for the above referenced request. This report is not intended for use as part of a real estate transfer, or any unauthorized use. There is no implied guarantee of future septic system performance based

Cortes Walkover Letter
Health Dept. i.d. #: 187120043
3/21/12
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on this report. In the event of any sewage disposal system malfunction, the owner will be responsible for any repairs or other actions deemed necessary to correct the situation.

If you have any questions, please feel free to contact me at (540) 635-3159.

Sincerely,


Katherine Williamson, EHSS
Senior Environmental Health Specialist

Enclosures - **Copy of Construction Permit**
Copy of Record of Inspection

p.c. Miguel Cortes, Owner
Health Department File

NOT to SCALE

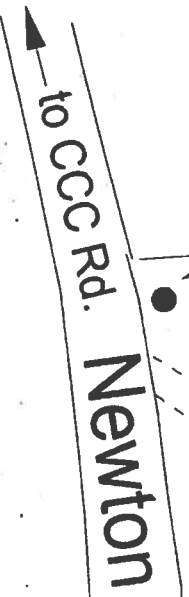
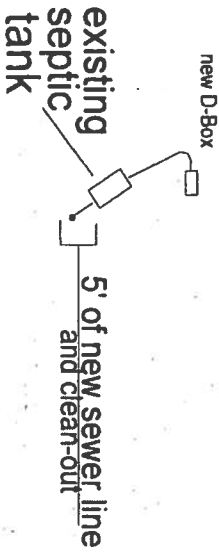


Health Dept. i.d. # 187120043; County Request for Walkover

Tax Map # 31C-42

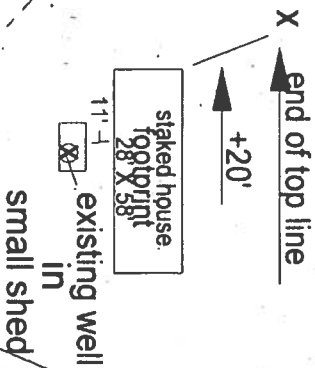
owner = Miguel Cortes
March 16, 2012

utility pole:
Allegheny Power
L43781
to septic tank = 49'



end of top line to:
utility pole = 142'
cleanout 5' from ST = 95'

D-Box to:
utility pole = 65'
cleanout 5' from ST = 38'



Note: original file not located at time of inspection; this permit printed again from Venice



Warren County Health Department
134 Peyton St.
Front Royal, VA 22630
(540) 635-3159 Voice
(540) 635-9698 Fax

1540) Protecting You and Your Environment
664-5830

Septic Tank - Soil Absorption System Repair Permit

Health Department ID Number: 187100028

Owner / Agent Information	
Owner: Miguel Cortes 8461 Renalds Avenue Marshall, Virginia 20115 Owner Phone: (540) 634-3677 bus. (540) 664-5830	
Location Information	
Subdivision: Apple Mountain Lake South, Lot 42 Property Address: 57 Newton Drive Locality: Warren County Directions: 55 east to Linden to a right onto CCC Rd., next left = Newton Dr., property shortly on left. Tax Map: 31C-42	
General Information	
System Type: septic tank effluent and drainfield Type of Property: Residential	Daily Flow: 450 gallons Number of Bedrooms: 3 maximum
Sewer Line	Distribution Box Information
4" Sch. 40 PVC or equivalent (cleanouts required at 50' to 60' intervals) new sewer line PVC sch. 40, 5' from tank, shotted, w/ clean-out OK 3/17/11 (R)	No. of Boxes: 1 Plastic D-Box w/ dual outlet No. of Outlets: 8 Replace D-Box and conveyance line, replace header lines as necessary. Embed D-Box on concrete pad. Embed beginning of header lines in concrete. OK 3/17/11 (R)
Conveyance Line / Force Main Information	Header Line Information
Method: Gravity Distribution Box Material: Minimum crush strength 1500# Pipe Diameter: 4" Replaced PVC sch 40 Minimum Slope: 6" per 100' (only for non-pump) OK (R)	ASTM F405 pipe or better (1500 # crush or equivalent) Minimum slope 2" per 100' As rec.
Septic Tank - Inlet Outlet Structure	Percolation Lines and Absorption Area
Capacity: 1000 gallons Check existing tank for leaks, repair or replace as necessary. Replace both tees in tank. Recommended: riser with influent access port and / or riser with effluent filter. OK 3/17/11 (R) 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	Slope: 2-4" per 100' Percolation Lines: 4" diameter Center to Center Spacing: " Installation Depth: " Depth of Aggregate: 13", Size of Aggregate: 0.5-1.5" Total Number of Laterals: Laterals to be ' long, x ' wide Install EXISTING Square Feet Total 0% Reserve Area Required for Future Repairs According to 1973 inspection report, 4 100' drainfield lines are existing. EXPOSE end of top line: OK - tied down
Please Note: The VA Department of Health does not guarantee that this system, once put back into operation, will function adequately. The existing system is old (installed in 1973), and has not been in use for some time, making detection of drainfield failure difficult or impossible at this time.	

* Needs to
3/13

Fall on tees: 1 1/4"
Extensions: need 18-20' below outlet; depth fr. bottom of tees to bottom of outlet riser = 51-52'
3/10 need 7-10' below inlet; new ~12"
top line = ~98' +/- fr. 2' fr. Dbox

Construction Drawing

HD ID #: 187100028

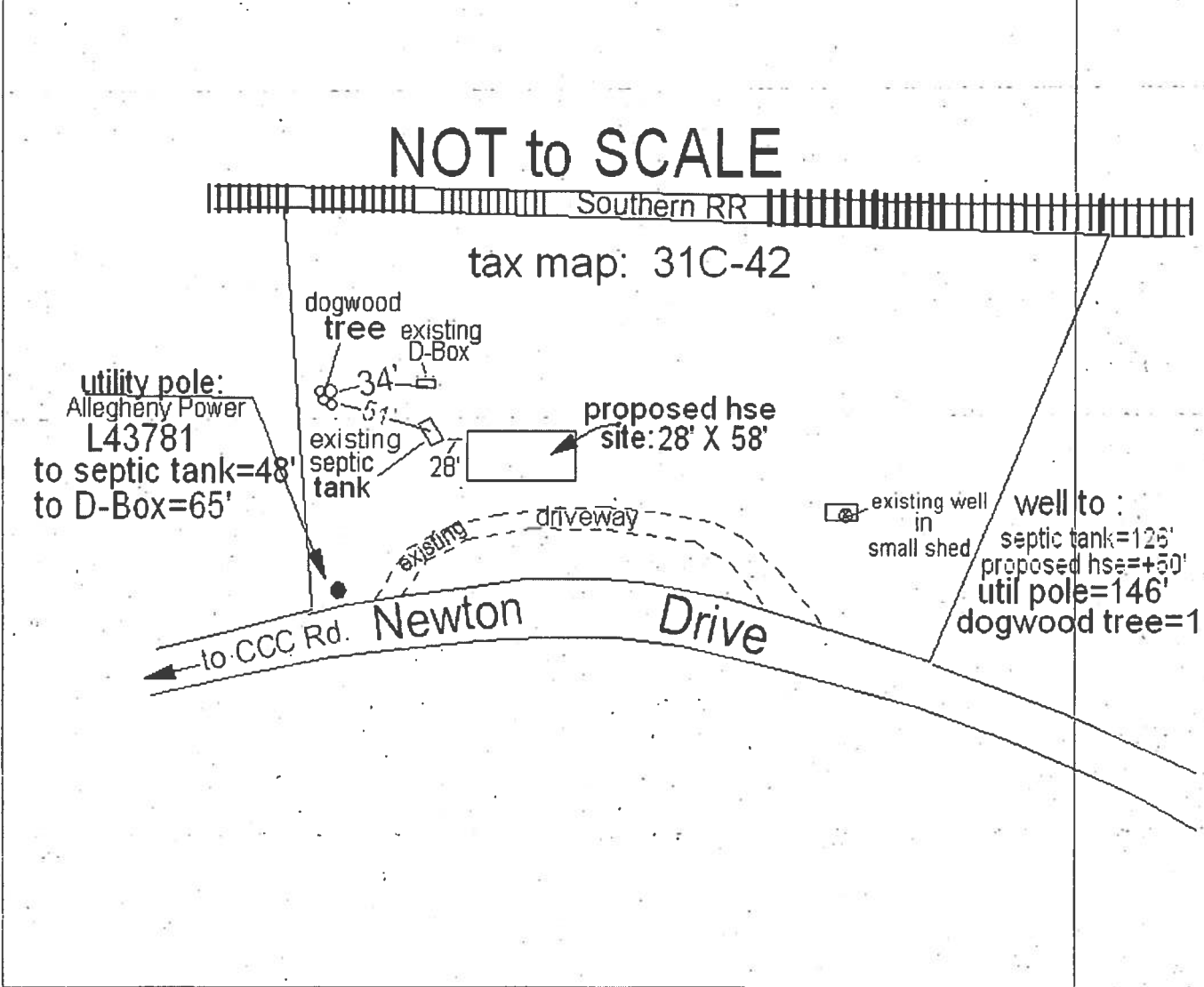
Owner Information

Miguel Cortes
8461 Renalds Avenue
Marshall, Virginia 20115

Phone: (540) 634-3677

Construction Drawing

Schematic drawing of sewage disposal system and topographic features.



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.

Katherine Williamson, EHSS

March 12, 2010

Issue Date

September 12, 2011

Expiration Date