Lot Grading and Drainage

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Drainage around your home

Who do I contact about drainage problems on my property?

This brochure has been prepared to provide information for homebuilders and new homeowners, with respect to lot grading and drainage on new residential lots. Most “drainage complaints” typically brought to the attention of County staff are private property issues and outside the authority of local government.

Who do I contact about drainage problems on my property?

In most cases, drainage maintenance on new lots is the responsibility of the private property owner and/or the Builder. If you require assistance, please contact the Department of Public Works at 226-6453. You will be asked a few general questions to determine if:

- There is any County responsibility;
- It is a private property issue; or
- It is an issue between you and your builder.

Your concern will be forwarded to an Inspector who will then conduct a site visit. Public Works staff may be able to give you ideas to help identify the best solutions to your particular home drainage problem.

For suspected Building Code violations (improper grade within 10 feet of the foundation or water in the crawl space), contact the Department of Building Construction and Inspections at 501-4360 or visit our website at: http://www.co.henrico.va.us/bldg/

If expert assistance is required, the services of a competent professional should be sought. Contractors that specialize in drainage problems are listed in the yellow pages under Drainage Contractors, Landscape Contractors, Waterproofing Contractors, etc… If you plan to contract out the work, be sure to get more than one estimate, carefully evaluate different alternatives, and choose a contractor that guarantees the work.
What is the Homeowner's responsibility?

It is the homeowner's responsibility to evaluate the condition of the final lot grading.

Concerns should be documented, listed in the final punch list, and resolved with the Builder. Homeowners may consider including proper grading and drainage in the home building contract and 1-year home warranty.

What is the Builder's responsibility?

The Builder is responsible for final grading on individual lots. The Builder purchases lots from the Developer then sells the home and lot to the purchaser. The Builder is responsible for constructing your house, the grading and seeding or sodding of the lot, driveways, and maintaining clean roads and a clean building site. Building permits are issued with the understanding that the Builder will complete proper final grading for the entire lot. Surface drainage must be diverted to an adequate point of collection.

What is the County's responsibility?

The Department of Building and Construction Inspections inspects crawl space grade and the area immediately adjacent to the building. Generally, the grade away from foundation walls shall fall a minimum of 6 inches within the first 10 feet (Va. USBC).

The Department of Building and Construction Inspections does not inspect individual lot grade beyond the required 10 feet. If you think you have a Building Code violation (improper grade within 10 feet of the foundation or water in the crawl space) or are unsure, a Henrico County Building Inspector will conduct an inspection to make a determination. Contact the Department of Building Construction and Inspections at 501-4360.

Henrico County representatives do not inspect the final grade on new lots and cannot use taxpayer funds to solve individual problems or private disputes between builders and property owners.

What is a drainage and utility easement and who is responsible for maintaining them?

There are numerous easements dedicated for various purposes on private property. A drainage easement is intended to provide an area for the installation of stormwater conveyance structures. The Developer/Builder is responsible for final grading within easements, as detailed on the Construction Plan.

Henrico County does not maintain easements on private property unless a public drainage structure (i.e., inlet, underground pipe, paved channel, etc.) has been placed within the easement and is part of the County stormwater system to convey water. If this is the case, the County will maintain the improved drainage structures only. The responsibility for non-structural maintenance within a drainage and utility easement (mowing, clearing, etc.) lies with the private property owner.

Prior to issuing the Certificate of Occupancy, the Department of Public Works Construction Division inspects drainage structures within the County Right of Way and/or drainage and utility easements, as detailed on the Construction Plans.

Henrico County strongly encourages homeowners to keep easements clear of obstacles that may impede surface water flow and result in drainage problems on surrounding lots, such as tool-sheds and fences. Valuable landscaping within an easement should be minimal in the event maintenance of a drainage structure or utility is required.

Why is lot grading important?

When a new home is constructed, it is essential that the lot be graded properly to ensure that surface drainage is directed away from the building and that it does not cause problems or damage to neighboring properties. Proper grading should allow surface runoff to reach any natural drainage area, the drainage and utility easement, and/or an installed stormwater structure (i.e., drop inlet).