

CHAPTER 9

MISCELLANEOUS

9.11 Dams

Any land disturbing activity that involves a property, which is proposed to contain a dam shall comply with the provisions of this Section as well as the provisions contained in this manual.

9.11.1 Georgia Safe Dams Act and Rules for Dams

New proposed dams to be 25 feet or more in height or to have an impounding capacity of 100 acre-feet or more at maximum water storage elevation shall be subject to the Georgia Safe Dams Act and Rules as regulations.

9.11.1.1 The developer or any new dam in which development exists within the proposed branch zone shall be subject to the requirements of Georgia safe Dams Act and Rules for dam Safety adopted by the Georgia Department of Natural Resources. The developer shall obtain necessary approvals and permits from the Environmental Protection Division of the Georgia Department of Natural Resources for the project and the dam prior to securing a Development Permit from the Department. The developer of any new dam as to which development does not exist within the proposed breach zone shall submit construction plans to City of Lawrenceville for review of the project and the dam prior to securing a Development permit from the Department.

9.11.1.2 If the developer elects to construct the new dam in accordance with the design standards for new dams as contained in the Rules for Dam safety, then new development shall be permitted within the dam breach zone. However, the dam shall meet the design standards for new dams as contained in the Rules for Dam Safety if development currently exists or is proposed in the dam breach zone.

9.11.1.3 If the developer elects not to construct the new dam to the design standards for new dams as contained in the Rules for dam safety, then a dam breach analysis for the dam shall be submitted along with the construction plans for review prior to securing a Development Permit from the Department. The design engineer shall utilize the computer model entitled "DAMBRK" for the dam breach analysis.

9.11.1.4 Should the new dam not meet the design standards for new dams as contained in the Rules for Dam safety, then only the following uses and structures shall be permitted within the dam breach easement:

- 9.11.1.4.1 Agriculture which requires no structures for human habitation within the dam breach zone including forestry, livestock raising, and agricultural and forestry access roads.
- 9.11.1.4.2 Fences.
- 9.11.1.4.3 Outdoor advertising signs provided they are located no closer than 100-feet from any residence or place of business.
- 9.11.1.4.4 Roads, driveway and parking areas.
- 9.11.1.4.5 Utility poles, towers, pipelines, water treatment outfalls and facilities, or other similar facilities and structures.
- 9.11.1.5 For any new dam that is proposed not to meet the design for new dams as contained in the Rules for dam Safety, the developer shall obtain a dam breach easement, recorded with the Clerk of Superior Court, from any offsite property owner where its is proposed for the dam breach zone to extend off the property where the dam is being constructed. The developer shall also cause a dam breach easement to be recorded upon the property being developed.
- 9.11.1.6 Prior to recording of a Final Plat or issuance of a Certificate of Occupancy, as appropriate, an as-built certification from a registered professional engineer shall be submitted to the Development. The certification shall state that the dam is constructed in accordance with the provisions of these regulations as well as the authorized construction plans. If the project is for the development of a subdivision, the developer shall also establish a legal entity, acceptable to the City, such as a mandatory Property Owners Associates, prior to approval of Final Plat, responsible for the maintenance of the dam and its impoundment.

9.11.2 New Dams Subject to Regulation by the City of Lawrenceville

Dams proposed to be 9 feet or more in height, but less than 25 feet in height, in combination with an impounding capacity proposed to be 20 acre-feet or more at maximum water storage elevation, but less than 100 acre-feet, shall be subject to the following:

- 9.11.2.1 If the developer elects not to construct the new dam to the design standards for new dams as contained in the Rules for dam Safety, then a dam breach analysis for the dam shall be submitted with the construction plans for review and authorization prior to securing a development permit from the Department. The design engineer shall

utilize the computer model entitled “DAMBRK” for the dam breach analysis.

9.11.2.2 Should the new dam not meet the design standards for new dams as contained in the Rules for Dam safety, then only the following uses and structures shall be permitted within the dam breach zone:

9.11.2.2.1 Agriculture which requires no structures for human habitation within the dam breach zone including forestry, livestock raising, and agricultural and forestry access roads.

9.11.2.2.2 Fences.

9.11.2.2.3 Outdoor advertising signs provided they are located no closer than 100-feet from any residence or place of business.

9.11.2.2.4 Roads, driveway and parking areas.

9.11.2.2.5 Utility poles, towers, pipelines, water treatment outfalls and facilities, or similar facilities and structures.

9.11.2.3 If the developer elects to construct the new dam in accordance with the design standards for new dams as contained in the Rules for Dam Safety, then new development shall be permitted within the dam breach zone. However, the dam shall meet the design standards for new dams as contained in the Rules for Dam Safety if development currently exists or is proposed in the Rules for Dam safety if development currently exists or is proposed in the dam breach zone.

9.11.2.4 Construction plans for new dams defined herein shall be submitted to City of Lawrenceville for review for the project and dam prior to securing a Development Permit from the Department.

9.11.2.5 For any new dam that is proposed not to meet the design for new dams as contained in the Rules for dam Safety, the developer shall obtain a dam breach easement, recorded with the Clerk of Superior Court, from any offsite property owner where its is proposed for the dam breach zone to extend off the property where the dam is being constructed. The developer shall also cause a dam breach easement to be recorded upon the property being developed.

9.11.2.6 Prior to recording of a Final Plat or issuance of a Certificate of Occupancy, as appropriate, an as-built certification from a registered professional engineer shall be submitted to the Development. The certification shall state that the dam is constructed in accordance with

the provisions of these regulations as well as the authorized construction plans. If the project is for the development of a subdivision, the developer shall also establish a legal entity, acceptable to the City of Lawrenceville, such as a mandatory Property Owners Associates, prior to approval of Final Plat, responsible for the maintenance of the dam and its impoundment.

9.11.3 Existing Dams

Existing dams that are located on a project site and will remain after construction is complete, shall comply with the provisions of this article and all referenced articles as if they were new dams.

9.11.4 Existing Category II Dams

When an existing Category II dam may be reclassified to a Category I dam because of a proposed development downstream of the dam, the following shall be provided by the developer for review by the Georgia Safe Dams Program.

9.11.4.1 Location of the Category II dam and the proposed development; and,

9.11.4.2 A surveyed cross-section of the stream valley at the location of the proposed development including finished floor elevations; and

A dam breach analysis using the Dambreak computer model shall be used to establish the height of the flood wave in the downstream floodplain. The Dambreak modeling shall be completed in accordance with the Safe Dams Program Quality Assurance Program by a qualified registered engineer.

END OF SECTION 9.11