



City of Palmetto
Building Department
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Stormwater Management Requirements

Sec. 6.21. - Stormwater management requirements.

- (a) *Performance standards.* All development must be designed, constructed and maintained to meet the following performance standards:
- (i) *Stormwater runoff:* While development activity is under way and after it is completed, the characteristics of stormwater runoff shall approximate the rate, volume, quality, and timing of stormwater runoff that occurred under the site's natural unimproved or existing state, except that the first one-half ($\frac{1}{2}$) inch of stormwater runoff shall be treated in an off-line retention system or according to other best management practices, as prescribed by all applicable rules and regulations of the state DEP and SWFWMD.
 - (ii) *Water quality:* The proposed development and development activity shall not violate the water quality standards as set forth in the Florida Administrative Code.
- (b) *Design standards:* To comply with the foregoing standards, the proposed stormwater management system shall conform to the following design standards:
- (i) Detention and retention systems shall be designed in conformance with the rules and regulations of DEP and SWFWMD.
 - (ii) To the maximum extent practicable, natural systems shall be used to accommodate stormwater.
 - (iii) The proposed stormwater management system shall be designed to accommodate the stormwater that originates within the development and the stormwater that flows onto or across the development from adjacent lands.
 - (iv) The proposed stormwater management system shall be designed to function properly for a minimum of a 20-year life.
 - (v) Pursuant to guidelines established by the city stormwater management department, the building official may require the design and construction of the proposed stormwater management system to be certified as meeting the requirements of this ordinance by a professional engineer, architect, or landscape architect registered in the state.
 - (vi) No surface water may be channeled or directed into a sanitary sewer.
 - (vii) The proposed stormwater management system shall be compatible with the drainage systems or drainageways on surrounding property or streets, taking into account the possibility that substandard systems may be improved in the future.
 - (viii) The banks of detention and retention areas should be sloped to accommodate, and should be planted with, appropriate vegetation.
 - (ix) Dredging, clearing of vegetation, deepening, widening, straightening, stabilizing or otherwise altering natural surface water shall be minimized.
 - (x) Natural surface water shall not be used as sediment traps during or after development.
 - (xi) For aesthetic reasons and to increase shoreline habitat, the shoreline of detention and retention areas shall be sinuous rather than straight.
 - (xii) Water reuse and conservation shall, to the maximum extent practicable, be achieved, by incorporating the stormwater management system into irrigation systems serving the development.
 - (xiii) Vegetative buffers of sufficient width to prevent erosion shall be retained or created along the shores, banks or edges of all natural or manmade surface waters.
 - (xiv) In phased developments, the stormwater management system for each integrated stage of completion shall be capable of functioning independently as required by the ordinance.
 - (xv) All detention and retention basins, except natural water bodies used for this purpose, shall be accessible for maintenance from streets or public rights-of-way.