STORMWATER MANAGEMENT PLAN

Date Submitted:_____

Plan Submitted By:_____

Owner's Name:_____

Project Name:_____

Location of Site:_____

Parcel Number:_____ Alt. Key #:_____

Proposed Use or Amendment:_____

Size of Site Area:_____ Building Square Footage:_____

Contact Information (Engineer)

Name:_____

Address:_____

Phone #:_____ Fax #:_____ Cell #:_____

Email Address:_____

Checklist

It is the responsibility of the applicant to include in the stormwater management plan sufficient information for evaluation of the environmental characteristics of the affected areas, the potential and predicted impacts of the proposed activity on affected waters, and the effectiveness of reducing adverse impacts. The stormwater management plan shall contain maps, charts, graphs, tables, photographs, narrative descriptions, calculations, explanations and citations to supporting references, as appropriate to communicate the information required by this section.

Check	Requirements (Sec. 6.03.04)
	1. The name, address and telephone number of the applicant
	2. The legal description of the property
	3. An aerial photograph of the project area and the surrounding areas, taken not more than two (2) years prior to the date of the application. Photographs from the Citrus County Property Appraiser or an equivalent source shall be used. The scale shall be not greater than one (1) inch equals 600 feet. Boundaries of the project site shall be delineated on the aerial photograph;
	4. Infiltration or permeability tests and soils borings representative of design conditions, if percolation or exfiltration systems are proposed;
	5. A location map
	6. The existing environmental and hydrologic conditions of the site and of receiving waters and wetlands shall be described in detail, including the following
	a) Drainage basin boundaries on a map at a scale of one (1) inch equals 100 feet;
	b) The direction, flow rate, and volume of stormwater runoff under existing conditions, and, to the extent practicable, pre-development conditions;
	c) The location of areas on the site where stormwater collects or percolates into the ground;
	d) A description of all watercourses, water bodies, and wetlands on or adjacent to the site or into which stormwater flows
	e) Ground water levels, including seasonal fluctuations
	f) Location of floodplains
	g) Vegetation
	h) Topography, with a minimum of one (1) foot contour intervals;
	i) Soils;
	j) Wells or onsite sewage disposal systems within 200 feet of

	drainage retention or detention areas.
	7. Proposed alterations of the site shall be described in detail, including:
	a) Changes in topography
	b) Areas where vegetation will be cleared or otherwise damaged or destroyed
	c) Areas that will be covered with an impervious surface and a description of the surfacing material; and
	d) The size and location of any buildings or other structures
	8. Predicted impacts of the proposed development on existing conditions shall be described in detail, including:
	a) Changes in water quality;
	b) Changes in ground water levels
	c) Changes in the incidence and duration of flooding on the site and upstream and downstream from it
	d) Impacts on wetlands
	e) Impacts on vegetation
	9. All components of the stormwater management system and any measures for the detention, retention, or infiltration of water; for the protection of water quality; or for protection from flooding, shall be described in detail, including
	a) The channel, direction, flow rate, volume, and quality of stormwater that will be conveyed from the site, with a comparison to existing conditions and, to the extent practicable, predevelopment conditions
	b) Detention and retention areas, including plans for the discharge of contained water, maintenance plans, and operations plans;
	c) Areas of the site to be used or reserved for percolation including a prediction of the impact on ground water quality (or supply proof of compliance with Chapter 40D, *FAC*, by means of an ERP permit or letter of exemption);
	d) A plan for the control of erosion and sedimentation which describes in detail the type and location of control measures, the stage of development at which they will be put into place or used, and provision for their maintenance;
	e) Any other information which the developer or the City Manager believes is reasonably necessary for an evaluation of the development.
	10. Construction plans and specifications for all components of the stormwater management system
	a) All runoff calculations including a description of the methodology, assumptions and parameters. If a computer program is used for analysis, a copy of the printout shall be submitted.

	b) Stage-storage-discharge computations for any retention/detention areas at the control point, including the computations for the design storm event.
	c) The stormwater management plan shall be prepared and certified by a professional engineer registered in the State of Florida.
	d) A plan which shows the scheduled maintenance needs shall be set forth. An operation/maintenance manual shall be provided to the responsible entity.
	Performance Standards (Sec. 6.03.04(D))
	All stormwater treatment systems shall meet the standards of Chapter 17-25, *F.A.C.*, and Chapter 40D-4, *F.A.C.* Water quality, peak discharge, and rate of post-development runoff conditions shall not exceed pre-development runoff conditions.
New Development	The following performance standards shall apply to all new development, except for development exempted under Section 6.03.02(C): The first one (1) inch of the post-development stormwater runoff generated from the site during a twenty-four (24) hour rainfall event shall be treated by best management practices prior to discharge.
OFW	Stormwater facilities which discharge into an Outstanding Florida Water (OFW) shall be subject to higher standards; the Crystal River OFW, including King's Bay, shall provide an additional fifty (50) percent level of treatment, (i.e., the first one and one-half (1.5) inches of runoff).
New Single Family Residences	The following performance standards shall apply to all new single family residences that are not within an engineered subdivision having a valid stormwater management permit and operating stormwater management system: Swales or other basins sufficient to retain the first one (1) inch of stormwater runoff shall be constructed and continually maintained near the property boundary and landward of any mean high water line and wetland boundaries.