

GREEN SWAMP AREA OF CRITICAL
STATE CONCERN IMPACT ASSESSMENT
STATEMENT MINIMUM SUBMISSION
REQUIREMENTS

Growth Management Department
Land Development Division
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The following submission requirements are provided for all development within the *Green Swamp Area of Critical State Concern* to meet the policy requirements of Section 2.123-F of the Polk County Comprehensive Plan, and Section 501C of the Polk County Land Development Code. These submission requirements have been broken down into the data needed to review Level 3 and Level 4 Reviews (C3 and C4 conditional uses), and the data needed to review Level 2 Reviews (residential site plan review, non-residential site plan review).

Individual single-family residential units are exempt from submitting a *Green Swamp Area of Critical State Concern Impact Assessment Statement*. Residential development of 3 or more lots and all non-residential development shall include certification (with support data) by a registered professional engineer. The applicant may combine responses to questions/requests for information, if the combination of these questions/requests is clearly stated at the beginning of the Impact Assessment Statement. If a request for information is made that duplicates information previously provided by the applicant, the applicant may indicate which section contains the specific information.

A. "FLOODPLAIN-PROTECTION AREAS" REQUIREMENTS UNDER POLK COUNTY COMPREHENSIVE PLAN SECTION 2.123-B, WHERE APPLICABLE;

The applicant should state if the project contains any areas subject to flooding in accordance with FEMA, SWFWMD, SJWMD, SFWMD and best available (existing) data. If the project is within the 100 year floodplain, then the applicant shall:

Level 3 or Level 4 Review*

1. Delineate the areas subject to flooding on a base map, including topography;
2. Describe graphically and in writing how the drainage will be handled; and
3. Describe, in general terms, how the natural flow will be altered by development of the site and how adverse impacts, if any, will be addressed.
4. Generally describe how development of the site will meet the development criteria requirements of Policy 2.123-B2 of the Polk County Comprehensive Plan.

B. "WETLAND-PROTECTION AREAS" REQUIREMENTS UNDER POLK COUNTY COMPREHENSIVE PLAN SECTION 2.123-C, WHERE APPLICABLE;

The applicant should state if the project contains any areas identified by the Army Corps of Engineers, FDEP, SWFWMD, SFWMD, SJWMD, and/or Polk County as wetlands. If the project contains any wetlands then the applicant shall:

Level 3 or Level 4 Review*

1. Delineate the wetland areas on-site, and those affected by the drainage patterns on the site, in both a pre- and post-development condition on a base map;
2. List those agencies which the applicant believes have wetlands jurisdiction on the site and locate agencies by specific wetland if more than one wetland;

3. Impacts to the wetlands shall be avoided. If impacts are unavoidable, describe proposed impacts and reasons impacts cannot be avoided. Include a discussion (include graphics) on how impacts will be minimized; and
4. Describe, in general terms, how the natural flow regime will be affected by this development, and how any changes will affect wetlands on and off-site.

C. ALL DEVELOPMENT, AS DEFINED IN SECTION 380.04, FS, SHALL BE REVIEWED FOR CONSISTENCY WITH THE FOLLOWING OBJECTIVES:

1. MINIMIZE THE ADVERSE IMPACTS OF DEVELOPMENT ON RESOURCES OF THE FLORIDIAN AQUIFER, WETLANDS, AND FLOOD-DETENTION AREAS.

Applicant shall provide the following information:

Level 3 or Level 4 Review*

- a. Will the proposed development have any adverse impacts to the Floridian Aquifer, wetlands, or flood-detention areas? If yes, describe how the adverse impacts will be minimized, including data and analysis.
- b. An estimate, using best available (existing) data, of the depth to the Floridian Aquifer confining layer to surface topology. Provide the data used to make this estimate.
- c. Any contaminants (biological or chemical) expected to be stored on the site should be listed, and proposed containment/treatment measures in case of spill or leakage should be described.
- d. Describe, in general terms, the Best Management Practices (BMPs) that will be used to manage hydrological and/or biological resources.
- e. Using best available (existing) data, provide a soil survey of the site.

2. PROTECT OR IMPROVE THE NORMAL QUANTITY, QUALITY, AND FLOW OF GROUND WATER AND SURFACE WATER WHICH ARE NECESSARY FOR THE PROTECTION OF RESOURCES OF STATE AND REGIONAL CONCERN.

Applicant will provide the following information:

Level 3 or Level 4 Review

- a. State which surface and ground water standards will be met are applicable, and how they will be met.
- b. Whether water from the site (both surface and groundwater) is necessary for the protection of resources of state and regional concern. Identify those resources and describe, in general terms, how development of the site will impact those resources.
- c. How impacts to resources of state or regional concern will be minimized.

3. PROTECT OR IMPROVE THE WATER AVAILABLE FOR AQUIFER RECHARGE.

Applicant shall provide the following information:

Level 3 or Level 4 Review*

- a. A topographic site plan that shows the location of recharge areas based on water management district and SCS data.

4. PROTECT OR IMPROVE THE FUNCTIONS OF THE GREEN SWAMP POTENTIOMETRIC HIGH OF THE FLORIDIAN AQUIFER.

Applicant shall provide the following information:

Level 3 or Level 4 Review*

- a. Estimate of the amount of water that will be withdrawn and how this withdrawal may affect the potentiometric high. Also the time frame for water withdrawal - daily, weekly, monthly.
- b. Graphically identify any Floridian Aquifer outcroppings on-site and off-site which may be affected by the proposed development.

5. PROTECT OR IMPROVE THE NORMAL SUPPLY OF GROUND AND SURFACE WATER.**

Applicant shall provide the following information:

Level 3 or Level 4 Review

- a. An estimate of the normal supply of ground and surface water would be for the site. Provide data source or assumptions made to reach this estimate.
- b. A description of how development of the site is expected to impact the normal supply of surface and ground water.
- c. A description of the method or techniques which are proposed to maintain the normal water supply.
- d. Any plans to improve the normal water supply. Describe the proposed method(s)/techniques.
- e. The local standards for surface water and groundwater quantity and quality that will be met.
- f. A description of any additional methods that are to be used to protect or improve water supply not mentioned in the statements above.

6. PREVENT FURTHER SALT-WATER INTRUSION INTO THE FLORIDIAN AQUIFER.

Applicant shall provide the following information:

Level 3 or Level 4 Review

Is a SWFWMD, SJWMD, or SFWMD consumptive use permit required? If yes, the applicant shall notify Development Engineering Services Division within 5 working days of when the application was submitted.

7. PROTECT OR IMPROVE EXISTING GROUND AND SURFACE WATER QUALITY.

Applicant shall provide the following information:

Level 3 or Level 4 Review

- a. Local, regional, and state standards for surface water and groundwater that are applicable and how they will be met.
- b. Identify the methods and techniques proposed to be used to protect surface and ground water quality.

8. PROTECT OR IMPROVE THE WATER-RETENTION CAPABILITIES OF WETLANDS.**

Applicant shall provide the following information:

Level 3 or Level 4 Review

- a. The BMPs which will be used to protect the water-retention capabilities of wetlands found on-site.
- b. Any plans to improve the water retention capabilities of wetlands found on-site. If yes, describe in general terms.
- c. Identify any wetlands found off-site whose water-retention capabilities are dependent upon the current water drainage patterns found on-site.
- d. How development of the site impact the water-retention capabilities of wetlands found off-site.

9. PROTECT OR IMPROVE THE BIOLOGICAL-FILTERING CAPABILITIES OF WETLANDS.**

Applicant shall provide the following information:

Level 3 or Level 4 Review

- a. The BMPs which the applicant will employ to meet in protecting the existing biological-filtering capabilities of wetlands.
- b. Any plans to improve the biological filtering capabilities of wetlands found on site. If yes, describe in general terms how the improvements will be made.

10. PROTECT OR IMPROVE THE NATURAL FLOW REGIME OF DRAINAGE BASINS.

Applicant shall provide the following information:

Level 3 or Level 4 Review*

A drainage basin map showing the natural flow and the flow during construction and after construction of the project.

11. PROTECT OR IMPROVE THE DESIGN CAPACITY OF FLOOD DETENTION AREAS AND THE WATER-MANAGEMENT OBJECTIVES OF THESE AREAS THROUGH THE MAINTENANCE OF HYDROLOGIC CHARACTERISTICS OF DRAINAGE BASINS.

Level 3 or Level 4 Review

Provide a description of the stormwater quantity and quality practices to be adhered to by the developer, and the approximate location and size of areas for detention or retention of water.

NOTES:

- * ALL MAPS SHOULD USE BEST AVAILABLE DATA AND, WHENEVER POSSIBLE, BE DRAWN AT THE SAME SCALE. ALL MAPS FOR LEVEL 2 REVIEWS, UNLESS OTHERWISE SPECIFIED, SHOULD BE DRAWN AT A 1" =200' SCALE. CONTOURS, IF AVAILABLE FROM SWFWMD OR ANOTHER SOURCE, SHOULD BE DRAWN AT 1' OR 2' INTERVALS, OTHERWISE THEY SHOULD BE DRAWN AT NO LESS THAN 5' INTERVALS USING BEST AVAILABLE INFORMATION.**
- ** REHYDRATING HYDRIC SOILS MAY BE COUNTED AS AN IMPROVEMENT TO: GROUND/SURFACE WATER, WATER-RETENTION CAPABILITIES OF WETLANDS, AND/OR BIOLOGICAL-FILTERING CAPABILITIES OF WETLANDS.**

Do Not Submit Instructions with Application