

## GOALS, OBJECTIVES AND POLICIES

**Goal 1.0.0.** Monitor a stormwater drainage system adequate to protect lives and property.

**Objective 1.1.0.** Continue to monitor stormwater facilities adequate to satisfy the existing and projected land uses and their intensities depicted on the Future Land Use Map compliant with the latest standards acceptable to the City, the County, the South Florida Water Management District, the Federal Emergency Management Agency and the national Flood Insurance Program.

**Measure:** Extent of compliance with regulations, as reflected in approved water basin management plans and extend to which levels of service are maintained.

**Policy 1.1.1.** The City shall continue to rely upon the facilities and personnel of the South Florida Water Management District, the North Springs Improvement District (NSID), the Coral Springs Improvement District (CSID), Sunshine Water Control District, Pine Tree Water Control District, Turtle Run Community Development District and the Crossings Homeowners Association to satisfy the water storage and transfer capacities of the system of lakes, canals and pumps that comprise the several drainage utilities.

**Policy 1.1.2.** The City shall continue to rely on the facilities and personnel of the Public Works' Streets Division to operate and maintain the storm sewers, which convey stormwater from the public streets to the facilities, operated by the several drainage utilities.

**Policy 1.1.3.** The City shall continue to require the use of pollution retardant structures, which separate oils and greases from runoff, for all new project drainage systems.

**Policy 1.1.4.** The City shall continue to require that the first flush of stormwater runoff generally be retained on site before runoff in excess of the first flush is diverted to surface water or other components of the drainage systems. Retention will use one or more of the following:

1. Where feasible and appropriate, vegetated swales should be used to retain at least the first half-inch of stormwater runoff.
2. In areas where vegetated swales are not feasible or appropriate, at least the first one-inch of runoff should be retained using retention ponds, exfiltration trenches, detention areas or other acceptable techniques.

## DRAINAGE SUB-ELEMENT

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**Policy 1.1.5.** The City shall continue to participate in the National Flood Insurance Program, per the Municipal Code. Minimum elevations for construction of buildings will be consistent with the following:

1. For construction located in a Special Flood Hazard Area, the finished floor and any equipment serving the building must meet one of the following, whichever is highest:
  - a. Base Flood Elevation (BFE) from the adopted Flood Hazard Map plus one (1) foot of freeboard;
  - b. 18 inches above the crown of the nearest road for residential or 6 inches for commercial;
  - c. The minimum finished floor elevation established by the drainage district having jurisdiction; or
  - d. The elevation on the 100-year flood map.
  
2. For construction located outside of a Special Flood Hazard Area, the finished floor and any equipment serving the building must meet one of the following, whichever is highest:
  - a. 18 inches above the crown of the nearest road for residential or 6 inches for commercial;
  - b. The minimum finished floor elevation established by the drainage district having jurisdiction; or
  - c. The elevation on the 100-year floor map.

**Policy 1.1.6.** The City shall continue to participate in the National Flood Insurance Program's Community Rating System (CRS) and maintain a Class 8 rating in order to reduce and avoid flood damage to insurable property and foster comprehensive floodplain management.

**Policy 1.1.7.** The following level of service standards are hereby adopted, and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development:

| Facility/Service Area | Level of Service Standard |
|-----------------------|---------------------------|
|-----------------------|---------------------------|

|                                  |              |
|----------------------------------|--------------|
| Drainage Facilities<br>City-Wide | Design Storm |
|----------------------------------|--------------|

Primary drainage system - 10 – year 1 day storm event. Cumulative rainfall total of 8.0".

## DRAINAGE SUB-ELEMENT

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Secondary drainage system - 3 Cumulative rainfall derived from Florida Department of Transportation (FDOT) Rainfall Intensity - Duration - Frequency Curves for Zone 10, copy attached.

House pads - first floor building elevations at, or above, the 100-year flood stage, and

Roadways - Roadways and parking lot elevations at, or above, at the 10-year flood stage.

**Policy 1.1.8.** The City shall continue to utilize stormwater assessments to address shortfalls in stormwater infrastructure including:

1. Stormwater assessments will be used for the operation and maintenance of the existing stormwater management system.
2. Stormwater assessments will be used for the planning, design, and construction of improvements to address flooding issues, effective drainage, and water quality management.

**Policy 1.1.9.** The City shall not permit new solid-fill transportation facilities or similar structures within Broward County's identified Water Conservation Areas without provisions for maintaining the freshwater sheet flow.