

PART III. ENVIRONMENTAL RESOURCES IMPACTS

QUESTION 14 - WATER

See State Comprehensive Plan (Chapter 187, F.S.)

GOAL (6); POLICY (19)

GOAL (8); POLICIES (2),(4),(6),(7),(8),(10),(12)

GOAL (10); POLICIES (1),(8)

GOAL (16); POLICY (6)

GOAL (22); POLICY (3)

- A. *Describe the existing hydrologic conditions (both ground and surface water) on and abutting the site, including identification and discussion of any potential aquifer recharge areas. Please identify and describe any Outstanding Florida Waters, Wild and Scenic Rivers, Florida Aquatic Preserves or Florida Class I or II Waters that occur within, abutting or downstream of the site.*

Ground Waters:

The project site is situated above the Biscayne Aquifer, which underlies most of Broward County. The depth to the aquifer is approximately 180 feet. Based on the Broward County draft Water Table Map, the Average Wet Season Water Table is Elev. 3.00 for this project site. This project site is not located within an area known as having a high instance of aquifer recharge as the current site and the surrounding areas have been developed.

Surface Waters:

The project site abuts Canal E which is located in the South Florida Water Management (SFWMD) C-12 Basin and is regulated by the Broward County Environmental Protection Department (BCEPD). Discharge rates within this basin are restricted based on criteria established by the SFWMD. The project site is neither located in nor upstream of any outstanding Florida Waters, Wild and Scenic Rivers, Florida Aquatic Preserves or Florida Class I or II Waters.

- B. *Describe, in terms of appropriate water quality parameters, the existing ground and surface water quality conditions on and abutting the site. (The appropriate parameters and methodology should be agreed to by the regional planning council and other reviewing agencies at the preapplication conference stage.)*

The existing site was developed in 1967 at which time there were no water quality requirements. The stormwater system was designed for conveyance and discharge, but no measures were

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implemented for pre-treatment prior to discharge. The abutting area to this project consists of developed roadways which have unassociated stormwater systems

- C. *Describe the measures which will be used to mitigate (or avoid where possible) potential adverse effects upon ground and surface water quality, including any resources identified in Subquestion A.*

The existing site is completely developed with Lauderhill Mall; a number of buildings; and, associated at-grade parking. All improvements to the project site will employ water quality treatment measures to ensure proper treatment prior to discharge based on requirements set forth by the BCEPD, SFWMD and the Florida Department of Environmental Protection (FDEP).

Exfiltration trenches with pollution baffles will be provided to detain and treat the required water quality treatment volume. Silt fences will be employed during construction to control erosion and minimize impacts.