

COLLIER COUNTY GOLDEN GATE GOLF COURSE STORMWATER NARRATIVE EXHIBIT D

LDC Section 5.05.15 G.4

Stormwater management requirements. The applicant shall demonstrate that the stormwater management for the surrounding uses will be maintained at an equivalent or improved level of service. This shall be demonstrated by a pre versus post development stormwater runoff analysis.

Pre-Development

The existing golf course site acts as a stormwater conveyance system for the developed areas adjacent to the site (i.e. single-family homes, roads, commercial, etc.). These areas drain to the existing golf course conveyance system via roadside swales and piping. The stormwater runoff from the surrounding adjacent uses is uncontrolled and ultimately discharges to the Golden Gate Main Canal via the golf course stormwater conveyance system. A schematic layout of the existing stormwater conveyance system can be seen in Attachment A.

It is important to note that there is no existing SFWMD permitted stormwater management system for the Golden Gate Golf Course Site. Existing stormwater runoff is uncontrolled and ultimately discharges to the Golden Gate Main Canal via existing open channels, lakes, swales, and culverts throughout the golf course.

Post Development

The golf course stormwater conveyance system will be maintained at an equivalent or improved level of service. Existing open channels/swales and culverts throughout the golf course will be modified and sized appropriately to accommodate future development impacts as well as stormwater runoff from the surrounding uses. Modifications will include the relocation and reshaping of existing swales and/or the installation of sub-surface piping.

Water Quality and Attenuation

Stormwater management serving the proposed uses will be provided within the existing/proposed on-site lakes and proposed detention/retention areas. The on-site stormwater management system will be designed to meet water quality and quantity standards per Collier County and SFWMD requirements.