

STRUCTURE G-604

This structure consists of (2) 66" diameter corrugated metal culverts with risers and flap gates located on the upstream end of the culverts, (2) 48" diameter culvert stubs and (3) 48" diameter corrugated metal culverts with risers and flap gates located on the upstream end of the culverts. This structure is located on the STA-6, Section 1 inflow levee east of the L-3 Borrow Canal, in Hendry County, Florida.

PURPOSE

During normal operations, this structure will contain flashboards in place to elevation 18.0' NGVD, allowing flows in the inflow canal to be directed into treatment cells 5 and 3 via the G-601, G-602 and G-603 structures. Upon demand, irrigation water from the L-4 borrow canal can be conveyed northward to USSC Unit 2 development via the opened flap gates and upstream USSC pumps.

During extreme storm events, larger than the SPS, this structure, with all flashboards removed, can pass a maximum flow of 300 cfs assuming that upstream surface water elevation is 17.0' NGVD and downstream surface water elevation is 15.0' NGVD.

OPERATION

Manual operation only

DESCRIPTION OF STRUCTURE

Size and Type: (2)66" diameter CMPs; (2) 48" diameter CMP stubs; (3)48" diameter
CMPs

Design Rating: N/A

Date Acceptance into Service: 1997

ACCESS: This structure is located on the STA-6, Section 1 inflow levee. Access is either from a USSC, Unit 2 development drainage canal/levee located directly north of STA-6 or through STA-6 (locked gate) via the inflow levee located along the western perimeter of STA-6.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: Headwater and tailwater staff gauges available for local operation

DEWATERING FACILITIES (per gate) None