

STRUCTURES G-360A and G-360B

The G-360A and G-360B structures are each 3-ft diameter corrugated metal pipes (CMP) with 6-foot flashboard risers, with attached weir plate. G-360A is located on the northern seepage collection canal and G-360B on the southern seepage collection canal of STA-5, in Hendry County, Florida. Control is effected by manual manipulation of the flashboards.

PURPOSE

These structures serve to limit potential drawdown in the western most sections of the STA-5 north and south seepage collection canals to an elevation of 11.0 feet NGVD. These structures were required due to the rapid rise in ground elevation to the west along the north and south perimeter levees. These structures are design to move 2 cfs downstream canal reaches for removal by the STA-5 seepage return pumping stations.

OPERATION

A single flashboard is used at each of these structures to maintain water levels in the seepage collection canals upstream (to the west) at 11.0 feet NGVD. Flashboards can be added or taken away to alter weir crest height if desired.

FLOOD DISCHARGE CHARACTERISTICS

	Design
Discharge Rate	<u>2</u> cfs
Type Discharge	_____

DESCRIPTION OF STRUCTURE

Culverts

Type: Corrugated aluminum pipes (CMP) with risers

Number of barrels: 1 each

Size of barrels: 36" diameter each

Length of barrels: Approximately 55 feet each

Flow line elevation ___

Water level which will by-pass structure ___ feet

Risers

Number: 1 at each culvert

Type: Manually controlled flashboards

Size: 3' wide X 6' high

Control: Manual

Date Acceptance into Service: October 1999 *

* Temporary operations authorized for 14-day period in response to Hurricane Irene.
Routine operations began June 2000.

ACCESS: Access to these structures from the north and south perimeter levees via Levee L-3

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: Headwater/Tailwater staff gauges for local observation only

DEWATERING FACILITIES (per gate) None