

## STRUCTURE 32

This structure is a double-barreled, corrugated metal pipe culvert, located in a county road adjacent to the Miami Canal. The structure connects the Miami Canal and the borrow pit of Levee 33. Control is effected by manually operated sluice gates, mounted on a reinforced concrete head structure.

### PURPOSE

This structure, together with S-30 and S-9XS, controls water stored between Levee 33 and U.S. Highway #27. Such storage, in turn, reduces the seepage under Levee 33 from Conservation Area No. 3B.

### OPERATION

The criteria which govern the operation of this structure are a function of either the flood or low-water conditions, which are as follows:

#### Flood Conditions

When releases from this structure would aggravate downstream flood conditions, the gate shall be closed. The gate may be opened when the design headwater stage of 6.0 is exceeded at S-32.

Land affected by flood condition operation has been purchased by the District. The District can have more flexibility to maintain headwater stage above 6.0.

#### Low-water Conditions

When flood conditions do not exist, releases shall be made, as necessary, subject to water availability to meet downstream water use requirements. Again, the need for releases to meet such water use requirements is indicated by the existence of low water at S-26 or S-29.

### FLOOD DISCHARGE CHARACTERISTICS

Discharge Rate	Design <u>unknown</u> c.f.s. * <u>    </u> % SPF
Headwater Elevation	<u>unknown</u> feet
Tailwater Elevation	<u>unknown</u> feet

Type Discharge unknown

\*Design flow not related to Standard Project Flood

### DESCRIPTION OF STRUCTURE

Type corrugated metal pipe culvert with upstream control

Number of barrels 2

Size of barrels 72 inches

Length of barrels 40 feet

Flow line elevation -2.0 feet

Service bridge elevation 12.0 feet

Water level which will by-pass structure 11.5" feet

Control Structure The control structure is a reinforced concrete headwall which supports the control gates.

#### Gates

Number 2

Type Hardesty Model 10-00 sluice gate mounted on box structure at upstream end of culvert

Size 72 inch diameter

Control manual

Lifting Mechanism pedestal mounted, manually operated hoist

Date of Transfer: September 15, 1952

**ACCESS** from U.S. Highway #27 via county road to structure

### HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level Remote, digital upstream & downstream recorders

Gate Position Recorder Remote digital recorder on both gates