

C-7 CONTROL STRUCTURE

G-72

This structure is a four-barreled corrugated metal pipe culvert at the head (west) end of C-7 beneath NW 87th Avenue. Control is effected by flashboards.

PURPOSE

The structure is used to control inter-basin flows from the Miami Canal to C-7.

OPERATION

The structure is normally closed. It is opened only when supplemental water is needed in the C-7 basin to maintain optimum levels at S-27. This need usually occurs late in the dry season (i.e., April-May).

FLOOD DISCHARGE CHARACTERISTICS

The structure is not designed to pass flood flows.

DESCRIPTION OF STRUCTURE

Type: corrugated metal pipe culvert with upstream (west) control.

Number of Barrels: 4

Size of Barrels: 72 inch

Length of Barrels: about 75 feet

Flow Line Elevation (feet):

<u>Barrel No.</u>	<u>West End</u>	<u>East End</u>
1 (North side)	-2.44	-2.38
2	-2.40	-2.34
3	-2.13	-1.97
4 (South side)	-2.34	-2.10

Headwall Top Elevation: 6.8+ feet

Water Level Which Will By-Pass Structure: 8+ feet

Control:

Discharge is controlled by stop logs in a CMP riser pipe on the west end of the culvert.

Stop Logs:

Number Per Culvert: 9

Size: 3" X 12" X 6'

Elevation of Control Weir:

<u>Boards in Place</u>	<u>Weir Elevation (feet)</u>
9	6.6
8	5.6
7	4.6
6	3.6
5	2.6
4	1.6
3	0.6
2	-0.4
1	-1.4

Date of Transfer: May 12, 1960 (beneficial occupancy); December 27, 1961

ACCESS: Structure is located on NW 87th Avenue, at the C-7 crossing.

HYDROLOGIC AND HYDRAULIC MEASUREMENTS:

Water Level: Remote, digital upstream and downstream

Rain Gauge: None