

G-87

This structure is a gate controlled culvert at the drainage divide between the C-9 and C-11 South (Flamingo Road Canal).

PURPOSE

The structure is used to control inter-basin flows between the C-9 and C-11 basins.

OPERATION

The structure is normally closed. It is opened only when stages are high in the C-9 basin and sufficiently low in the C-11 basin, particularly in the Sunshine Ranch Development west of C-11 South, and south of C-11. This is a delicate operation because, although S-9 (and S-13A) has a large capacity, the restricted capacity of C-11 and C-11 South holds stages high.

FLOOD DISCHARGE CHARACTERISTICS

Structure has no design flow.

DESCRIPTION OF STRUCTURE

Type: Corrugated metal pipe culvert with upstream (South) control.

Number of barrels: 1

Size of barrel: 84"

Length of barrel: 75 feet

Flow line elevation: -5 feet

Service bridge elevation: 7.7 feet

Water Level which will by-pass structure:

Gates

Number: 1

Type: Single screw stem lift, Hydroflo 702810

Size: 84 inch square

Control: manual

Lifting mechanism: manually operated

ACCESS: The structure is located on Flamingo Road at s.w. corner of Sheridan St.