

STRUCTURE 25A

This structure is a single barreled, corrugated metal pipe culvert located on C-5 (the Comfort Canal) at N.W. 45th Avenue in the City of Miami. Control is effected by a manually operated sluice gate mounted on the west end of the culvert.

PURPOSE

This structure allows drainage into C-5 (Comfort Canal) for salinity control.

OPERATION

This structure is operated solely for salinity control. The gate is opened when the headwater elevation of S-25 recedes to 1.5 feet.

FLOOD DISCHARGE CHARACTERISTICS

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

*Design flow not related to Standard Project Flood

DESCRIPTION OF STRUCTURE

Type:	<u>corrugated metal pipe culvert with upstream control</u>
Number of barrels:	<u>1</u>
Size of barrel:	<u>60 inches (upstream 13 ft is 54 inches)</u>
Length of barrel:	<u>73 feet</u>
Flow line elevation	<u>-1.7</u>
Service bridge elevation	<u>6.5</u>

Gates

Number:	<u>1</u>
Type:	<u>sluice gate mounted on upstream end of culvert</u>
Size:	<u>54 inch diameter</u>
Control:	<u>manual</u>

Lifting mechanism: pedestal mounted, manually operated hoist

ACCESS: from N.W. 45th Avenue

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water level: Upstream and downstream staff gauges only

Gate Position Recorder: none

DEWATERING FACILITIES: none