

STRUCTURE S-347

This structure is a two-barreled corrugated metal pipe culvert, located in the borrow canal of the L-67 Extension about 2.5 miles south of U.S. 41. Control is effected by stop logs in risers in each culvert.

PURPOSE

This structure increases the proportion of overland flow with respect to canal flow from the S-12D discharge into the Everglades National Park.

OPERATION

Normally, this structure is closed. It is opened only during unusually dry conditions when the minimum deliveries to the ENP cannot otherwise be made. It is operated in conjunction with S-346 and S-12D.

DESIGN DISCHARGE CHARACTERISTICS

	<u>Design</u>
Discharge rate	<u>165</u> cfs
	* <u> </u> % of SPF
Headwater Elevation	<u>6.0</u> feet
Tailwater Elevation	<u>5.8</u> feet

*Design not related to Standard Project Flood. The structure can discharge the minimum ENP delivery for the months of March, April, May, and June 95% of the time.

DESCRIPTION OF STRUCTURE

Type Corrugated metal pipe culverts with upstream control

Number of barrels:	<u>2</u>
Size of barrels:	<u>72 inches</u>
Length of barrels:	<u> </u> feet
Flow Line elevation:	<u>0.5</u> feet
Crest Elevation:	<u>10.5</u> feet

Riser Pipes:

Diameter of Riser	<u>96 inches</u>
-------------------	------------------

Top of Riser Elevation 10.5 feet

Top of Board Elevation 10.5 feet

Water Level which will by-pass structure 10.5 feet

ACCESS: Structure is reached from U.S. 41 by about 2½ miles of dirt road atop
L-67 Extension.

HYDRAULIC & HYDROLOGIC MEASUREMENTS

Water Level:

Discharge = $184 (H)^{1/2}$ cfs per culvert with all boards removed.