

**STRUCTURE S-346**  
**L-67 EXTENSION CONTROL CULVERT**

This structure is a two-barreled corrugated metal pipe culvert, located in the borrow canal of the L-67 Extension just 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-347 and S-12D.

**DESIGN DISCHARGE CHARACTERISTICS**

	<u>Design</u>
Discharge rate	<u>165</u> cfs
	* <u>    </u> % of SPF
Headwater Elevation	<u>6.2</u> feet
Tailwater Elevation	<u>6.0</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	<u>Corrugated metal pipe culverts with upstream control</u>	
Number of barrels:		<u>2</u>
Size of barrels:		<u>72 inches</u>
Length of barrels:		<u>    </u> feet
Flow Line elevation:		<u>0.0</u> feet
Crest Elevation:		<u>12</u> feet
Riser Pipes:		
	Diameter of Riser	<u>96 inches</u>

Top of Riser Elevation      12.0 feet

Top of Board Elevation      12.0 feet

Water Level which will by-pass structure      12.0 feet

**ACCESS:**      Structure is reached from U.S. 41 by dirt road atop L-67 Extension.

**HYDRAULIC & HYDROLOGIC MEASUREMENTS**

Water Level:

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