

## STRUCTURE S-343A

This structure is a three-barreled corrugated metal pipe culvert, located near the junction of L-28 and L-29 about 35 miles west of Miami on U.S. 41. Control is effected by slide gates.

### PURPOSE

This structure permits discharge from Water Conservation Area 3A during period of excessively high stages.

### OPERATION

Normally, this structure is closed. It is opened during periods when WCA 3A is above schedule. The combined discharge of 343A and 343B shall be limited to the capacity under the bridges on U.S. 41 which is 400 cfs.

Note: Loop Rd 1 Gauge should be kept below 8.5. The roadway could be flooded when stage is too high.

### FLOOD DISCHARGE CHARACTERISTICS

	<u>Design</u>
Discharge rate	<u>195</u> cfs
	* <u>    </u> % of SPF
Headwater Elevation	<u>9.5</u> feet
Tailwater Elevation	<u>9.3</u> feet

\*Design not related to Standard Project Flood.

### DESCRIPTION OF STRUCTURE

Type Corrugated metal pipe culverts with upstream control

Number of barrels: 3

Size of barrels: 72 inches

Length of barrels: 82 feet

Flow Line elevation 0.0 feet

Crest Elevation: 17.5 feet

Water Level which will by-pass structure: 17.5 feet

Gates:

Number 3

Type: Slide Gate

Size: 6' x 6'

Control: manual

Lifting Mechanism: \_\_\_\_\_

**ACCESS:** Structure is reached via about 3 miles of dirt road atop L-29 from  
U.S. 41 at S-12A.

### **HYDRAULIC & HYDROLOGIC MEASUREMENTS**

Water Level: Upstream and downstream staff gauges only.