

G-259

The structure is a one-barreled, corrugated metal pipe culvert, located at the south end of the west perimeter levee of the Everglades Nutrient Removal Project. Control is effected by a gate in a gate structure located at the center part of the pipe. The structure was completed in 1993. Contract Number is C91-2017. Drawing Number is 29. This structure has been revised in STA-1W construction (1997 - 2000). Contract number CE-107. See STA-1W Operation Plan for current information.

PURPOSE

The structure is used to control water flow between polishing cell 3 and the seepage canal of the ENR Project.

OPERATION

The structure is operated as needed.

DESCRIPTION OF STRUCTURE

Type	<u>Corrugated metal pipe culverts with control in the middle</u>
Number of Barrels	<u>1</u>
Size of Barrel	<u>72 inches</u>
Length of Barrels	<u>28.5 feet (east side of gate)</u> <u>50 feet (west side of gate)</u>
Flow line Elevation	<u>0.5 feet (east side of gate)</u> <u>1.5 feet (west side of gate)</u>
Water Level Which Will By-pass Structure	<u>15 feet</u>
Control	<u>Discharge is controlled manually by a sluice gate in a gate structure.</u>
Gate Size	<u>72"x 72" square gate</u>

ACCESS Go to the ENR project.

HYDRAULIC AND HYDROLOGIC MEASUREMENT

Water level	<u>Upstream and downstream telemetry and staff gauges</u>
Gate position	<u>Telemetry and staff gauges</u>