

## STRUCTURE 24

This structure is a single barrel, 54-inch corrugated metal culvert with slide gate control in the north or upstream end. The structure's concrete headwalls provide erosion control and the culvert's crown elevation of 4.5 ft. ensures maximum efficiency. S-24 is located 635 feet east of L-31N and under U.S. Highway 41 at the northern end of the L-31N borrow canal. It is at the junction of Tamiami Canal and Levee 30.

### PURPOSE

Structure 24 was originally designed to drain water from the area between the Dade-Broward levee and Levee 30 into the L-31N borrow canal. This function was subsumed by the South Dade Conveyance System. Increased conveyance requirements were met by bypassing this structure with a direct uncontrolled connection between L-31 and L-30 under US 41. S-336 was placed in C-4 west of S-24 which effectively isolates S-24 from a direct connection with L-30.

### OPERATION

The structure was operated to make flood releases when downstream conditions were not aggravated, generally when the stage at the junction of C-4 and C-2 was less than 4.0 ft., NGVD. There is no longer a defined need for this structure and it is now permanently closed. It was not removed because of traffic impacts on US. 41.

### DESCRIPTION OF STRUCTURE

#### Design Conditions

Discharge (cfs)	unknown
Headwater Elevation (ft.)	unknown
Tailwater Elevation (ft.)	unknown

## Culvert

Type	CMP
Number of Barrels	1
Size (dia., inches)	54
Net Length (ft.)	81
Invert Elevation (ft.)	-0.4

## Gate

Type of Control	Slide
Number	1
Size (dia., inches)	54

**ACCESS:** Structure is located on U.S. Highway 41.

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water level    Upstream and downstream staff gauges only

Gate Position Recorder    None

**DEWATERING FACILITIES**    None