

## STRUCTURE G-152

This structure is a four-barreled corrugated metal pipe culvert, located on the West end of L-2 West levee, with discharge controlled by stop logs in risers in each culvert.

### PURPOSE

This structure provides irrigation and flood control from the North Alico canal to L-2W canal for the Alico Corporation.

### OPERATION

The structure will be operated by the Alico Corporation.

### DESCRIPTION OF STRUCTURES

Type: Four-barrel corrugated metal pipe culvert

Number of Barrels: 4

Size of Barrels: 72 inch diameter

Length of Barrels: 52 feet

Flow line elevation: 8.00 M.S.L.

Operating deck elevation: 22.50 M.S.L.

Water levels, which will by-pass, structure: 25.00 M.S.L.

Crown of culvert barrel, submerged stage: 17.00 ft NGVD

Invert elevation: 11.00 ft NGVD

Stop Logs:

Number of bays: 4

Size: 1 3/4" x 5 7/8" x 47 1/2" (2 STOP LOG BAYS PER BARREL)

Reference point: Top of riser 22.50 feet

### ACCESS

Structure is located on L-2 West canal levee, and North Alico canal levee, 4 miles West of the intersection of structure G-151 and C.R. 835.

May 13, 2002

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level: Upstream and Downstream Staff Gauges

Rain Gauge: None