

**G-88 CULVERT
(L-3/L-4)**

This structure is a four-barreled, corrugated metal pipe culvert, located at the northwest corner of Conservation Area 3A. Control is effected by stop logs in a CMP riser pipe.

PURPOSE

The L-1/L-2/L-3 borrow canal terminates at this structure which, with G-89 and G-155, determines how flows in that borrow canal will be discharged.

OPERATION

The operation of this structure has changed due to the construction of STA-5, STA-6, G-404, and G-409. The structure will now stay open at a flow line elevation of 6.75.

FLOOD DISCHARGE CHARACTERISTICS

There is no design discharge for this structure.

DESCRIPTION OF STRUCTURE

Type: Corrugated metal pipe culverts with upstream (west) control.

Number of barrels: 4

Size of barrels: 72 inch

Length of barrels: 91 feet

Flow line elevation: 6.0 feet (as built drawing)

5.5 feet (new datum 7/92)

Diameter of Riser: 96 inches

Note: Flooding just begins @ 14.40 @ L-1N from observation by helicopter overflight 8/12/77 by Slyfield.

Top of Riser (Reference Point) 19.0 feet

Water level which will by-pass structure _____ feet.

Control: Discharge is controlled by stop logs placed in a CMP riser pipe on the west end of the structure.

Stop Logs:

Number Per Barrel: (in each of two bays)

Size: 7½" X 1½" X 48"

ACCESS: From S-8 via dirt road on top of L-4.

HYDRAULIC AND HYDROLOGY MEASUREMENTS:

Water Level Remote digital headwater and tailwater recorders