

STRUCTURE G-207

This structure is a one unit pumping station. It is located on Canal C-41 about 2 miles upstream of Lake Okeechobee near Structure S-71. The contract number of this structure is C89-0126. The drawing number is C-41-18.

PURPOSE

The structure is used to supply water from Lake Okeechobee to maintain the optimum level in Canal C-41 between S-70 and S-71 when Lake Istokpoga is below its regulatory schedule. The purposes are to decrease the demand for water from Lake Istokpoga and to provide an alternative source of water for Brighton Seminole Indian Reservation.

OPERATION

The pump will be used when Lake Istokpoga is below its regulatory schedule. The pump is turned on and off by the manual on/off switch on the motor controller. The pumps can also be controlled remotely through the telemetry system. The pump control panel will prevent the pump from running when any of the following conditions occur:

1. The gates are open
2. There is no water to pump due to blockage of the intake
3. Excessive motor vibration

When Structure S-71 is on automatic, the pump should be turned off before the water level reaches the gate open level.

DESIGN DISCHARGE CHARACTERISTIC

Discharge Rate	<u>135</u> cfs
Headwater Stage	<u>10</u> feet
Tailwater Stage	<u>20.2</u> feet

GATE

48 inch flag gate at downstream end of discharge pipe

POWER

