

## STRUCTURE 332D

Construction of S-332D was completed in December 1997. The primary purpose for the pump station is to pump water from the canal upstream of S-176 into a detention area. The District began operating S-332D in July of 2000. The structure is located at the junction of the L-31N and the L-31W borrow canal, about 5 miles west of Homestead.

### PURPOSE

The structure is part of the Interim Operating Plan (IOP).

### OPERATION

The structure is operated as directed by the U.S. Army Corps of Engineers (COE). The pump can be operated remotely from the S-331 pumping station. The minimum pumping stage is 3.0 feet.

**DESCRIPTION OF STRUCTURE:** It is a reinforced steel and concrete enclosed building

**TYPE OF PUMPS:** Axial flow pumps  
1. 4 Diesel driven - Caterpillar  
2. 1 Electric Motor - U.S. Motors

**DESIGN RATING:** Diesel - 125 CFS  
Electric - 75 CFS

Pump Impeller: Speed and size or diameter

Speed RPMS: Electric - 588  
Diesel - 370

Size: Electric - 30. Inch  
Diesel - 42.inch

Motor Horsepower: Diesel - 290  
Electric - 150hp

Motor make type & size  
Diesel - Caterpillar - 3406  
Electric U.S. Motors - 5B08P type H.V.

Revised 05/05/2003

Power Source: Commercial, emergency backup generator  
Make: Onan generator  
Gates type & location: flap gates on downstream side, discharge  
Discharge rating: Head water - per U.S. Army Corps of Engineers  
Tail water - per U.S. Army Corps of Engineers  
Control: Manually or auto telemetry remote pump control. Local and auto monitored.

**LOCATION ACCESS:** From Loveland Road via north right-of-way of C-113 about one mile. Access road to structure

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS:**

Water Level: Remote digital headwater and tailwater recorder.  
Pump Status: Remote digital recorder