

Eastern Regional Water Supply Facility

Orlando, Florida

The Control/Administrative/Maintenance building for this complex is a 38,000 S.F. high-tech facility utilizing split-face concrete block, precast concrete slab/roof and blue-green mirror glass. A special \$1.5 million mosaic-CRT computerized control system is the focal point of the volume-ceilinged entry lobby, visible through silicone butt-jointed tempered glass.

This unique building was designed in a "Y" configuration to facilitate easy connections to the various wings of the building. Future expansion is simplified by the architect's design, which left one large wall area for this purpose, complete with connecting corridor. The architect programmed the Control building, which involved over a hundred staff member inputs to document the needs of this complex facility. The architect master planned the front area of the site, as part of Orange County's desire to improve the appearance of its industrial facilities. This complex is designated an Emergency Operations Facility, and the architect and engineer "hardened" the building to resist hurricane-force winds and flying debris and adjusted grade level to control rising water levels.

Industrial out-buildings include a high service pump building (also enclosing diesel generators and a motor control center), chemical dispersal building, chlorine building, aeration structure, oil storage building, front security gate area and bridge. 3 to 5 MGD water storage tanks were allowed for.

Master planning was included for a future large warehouse and pipe lay-down yard with bridge cranes, linked to the control complex.

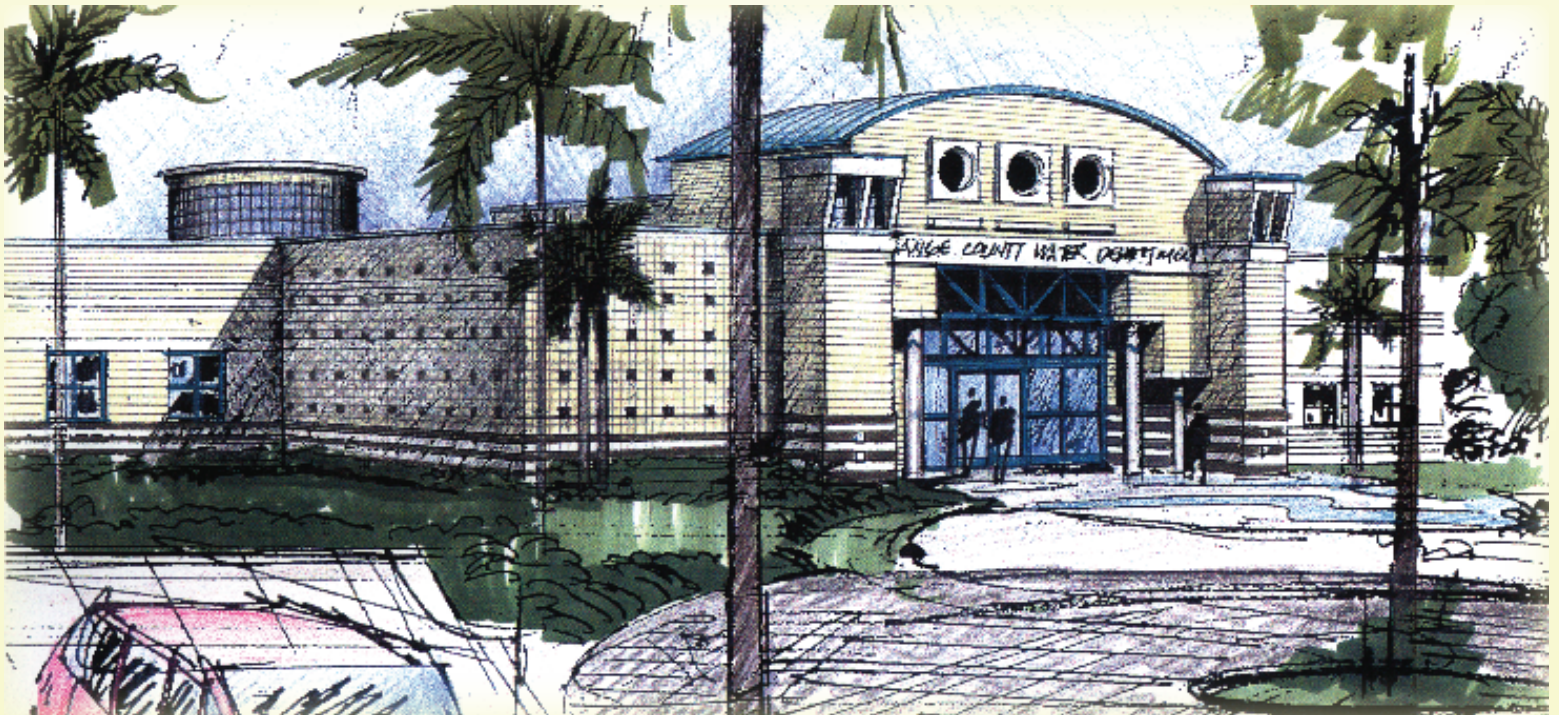
Construction Cost: \$25 million

Total Project Cost: \$30 million

Completion Date: 1996

Owner:

Orange County Public Utilities



Design Team: Rand Soellner, AIA; Byron Lastrapes, AIA; Rod Jefferson, RA; Angel Milanes