

CCWRD Central Plant South Secondary Treatment Facility Phase 2 and Grit Basins 7 and 8

Carollo Engineers



The purpose of the project is to increase the capacity of the secondary wastewater treatment facilities at the Clark County Water Reclamation District's Central Plant located at 5857 East Flamingo Road. The project consists of Aeration Basins 13 and 14, Secondary Clarifiers 13 and 14, a RAS Pump Station, a Mixed Liquor Splitter Box, an Electrical Building and Grit Basins 7 and 8. Geotechnical design services included drilling and sampling, laboratory testing and engineering evaluations to include a preload plan and specification, a construction dewatering plan and specification and foundation design parameters for mat foundations and conventional spread footings. Geotechnical construction services will include settlement monitoring during preloading, observation of well and piping installation for dewatering, and observation of groundwater levels during dewatering. Total construction cost is estimated at \$30 million with construction beginning in 2006.