



# Project Spotlight

## Natural Resources Headquarters, Sacramento, CA



Owner: Dept. of General Services, Natural Resources Headquarters  
Installer: Cell-Crete Corporation      General Contractor: Turner Construction

### Background Information

Building stable, long-lasting structures in areas that experience a high water table presents a unique construction challenge. Sacramento's Department of General Services' Natural Resources purchased an open air parking space to build their new headquarters, located in close proximity to the Sacramento River. The department's 25 story office building with limited subgrade parking and a large loading dock was in need of a unique form of concrete to address lateral loads as well as hydrostatic concerns.



### Project Details



Because of the high saturation of this job site's sandy clay soil, it was of utmost importance to reduce the load placed on the parking garage structure and prevent the need for soil treatment or backfill compaction. With this in mind, the general contractor chose to install a 12-foot-wide block of permeable low-density cellular concrete (PLDCC) around the north and west sides of the building.



A three-person installation crew from Cell-Crete Corporation installed 3,370 cubic yards of Aerix Industries' AQUAERIX™ PLDCC using three-foot lifts. The PLDCC was pumped for distances of 200 to 300 feet and installed in thicknesses of up to 12 feet. The entire concrete pour required only 12 days of labor.

### Aerix Added Value

Aerix's AQUAERIX PLDCC, when mixed with cement slurry, creates a uniquely strong, permeable concrete that is ideal for applications in saturated soils, or areas that experience high, fluctuating water tables, like Sacramento. In addition to providing structural strength and minimizing the need for extensive property maintenance, the use of PLDCC also provided easy installation and enabled this project to be completed on schedule.

