



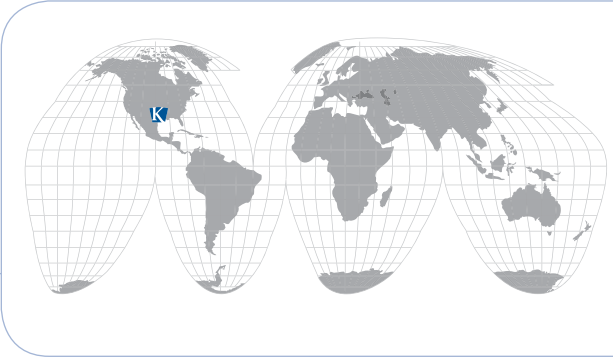
## Cameron Park Zoo

Waco, Texas

### *Keystone Brings Natural Textures to Texas Zoo*

The goal of most modern zoo habitat designs is to recreate the animal's native surroundings as closely as possible for both the benefit of the animal and the enjoyment of the zoo's visitors. The tumbled stone textures of Keystone Country Manor and the warm unit colors, provided by local Keystone licensed manufacturer, Jewell Concrete Products, helped to faithfully reproduce the natural rock outcroppings desired for the distinct environments of the "Brazos River Country" exhibit of the Cameron Park Zoo in Waco, Texas.

Keystone Country Manor is a multi-unit system with a tumbled finish that combines the "Old World" feel of hand laid stone walls with all of the advantages of segmental wall construction and design. Unique features allow Keystone Country Manor to be used as retaining walls, freestanding border walls, planters, stairs, or even as an impressive entrance way, as Cameron Park Zoo did.



**Project:** Cameron Park Zoo

**Location:** Waco, Texas

**Keystone Product:** Keystone Country Manor®

**Licensed Manufacturer:** Jewell Concrete Products  
Waco, Texas

**Total Wall Area:** 4,000 square feet

**Wall Contractor:** Kellystone  
Austin, Texas

**Architect:** Wilson Darnell Mann -  
Stan Landwehr



CASE STUDY





# CASE STUDY

*“Keystone Country Manor was used in two different locations on the project: on the animal side of a bear yard to keep the bears out of the dry containment moat and at the entrance of the zoo’s aquarium. In both locations, it was critical that the retaining walls enhance the look of the exhibits rather than pull focus from the animals on display,”* says Stan Landwehr of architectural firm Wilson Darnell Mann.



Large sections of the 4,000 total square foot Keystone Country Manor walls at Cameron Park Zoo are actually a veneer. Designed to look like an excavated Spanish Galion ship, the aquarium entrance blends beautifully into a wall of Keystone Country Manor units that are attached to the walls with a process that uses geogrid and steel bars to make a strong mechanical connection. In this case, flat-iron bars are attached to the concrete wall with metal straps. Geogrid reinforcement material is looped around the bar and connected to the Keystone Country Manor wall by placing the grid over the Keystone fiberglass pins.

In a departure from the traditional use of retaining walls to reduce the slope on a property, the Keystone Country Manor walls in the bear yard on this project perform the opposite function. The project area is quite flat in elevation. *“In order to create a more natural look and feel to the exhibit, the architect felt it was important to create several elevation changes,”* said Roland Helmenstein of wall contractor, Kellystone, Inc. *“There is lots of undulation in the bear exhibit. Using Keystone Country Manor allowed us to conform the top of the wall with the grade of the yard and create a visually appealing containment area at the same time,”* Landwehr confirms.

Keystone Country Manor walls are used both inside and outside of the animal enclosures. Keystone Country Manor also provides an appropriately rustic backdrop for exhibit signage. The walls are finished with Keystone Country Manor capping units that are attached to the top course of the structure with exterior grade construction adhesive.

For more information on Keystone Country Manor and other innovative Keystone products, please visit us at [www.keystonewalls.com](http://www.keystonewalls.com) or call (800) 747-8971.

