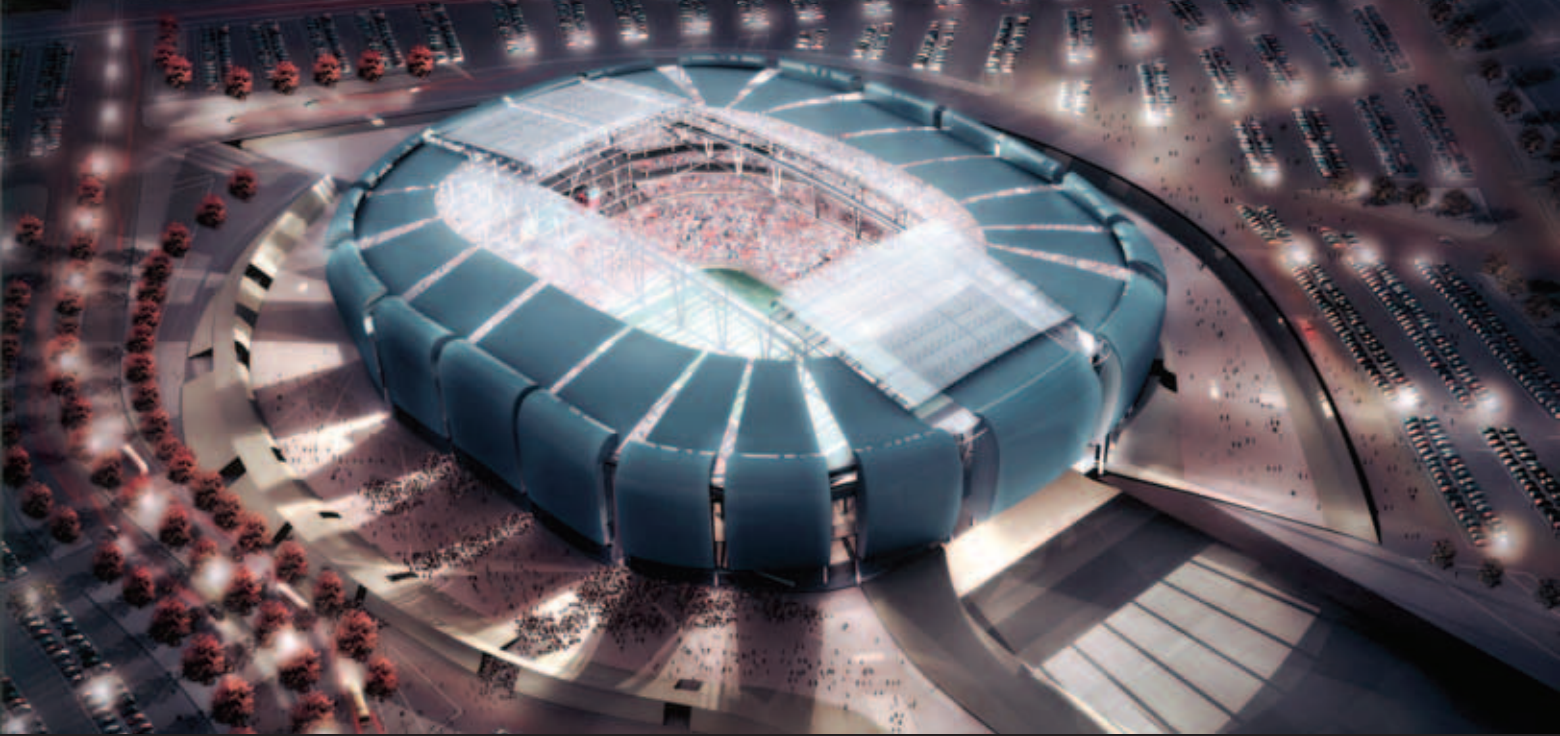


So Where Did They Hide the Field?



Trimble Helps Build Unique Football Stadium

For the 2006 NFL season, Arizona Cardinals' fans will be cheering their team in a new stadium designed by renowned architect Peter Eisenman. And it's no ordinary stadium. Sure to become an Arizona landmark, this \$450-million, state-of-the-art stadium will showcase a retractable field, the first ever in North America. While several NFL stadiums have retractable roofs, the unique, roll-out, natural-grass playing field will be contained in a single, 13-million-lb. (5.9-million-kilo) tray (234 ft wide x 403 ft long or 71.3 m x 122.8 m) mounted on more than 400 steel wheels riding on tracks embedded in the concrete floor. Excavation of the field will be 26 ft (7.92 m) below the present grade; when completed, the field will lie 39 ft (12 m) below the main concourse level. Due to the high accuracy required (1/16 inch or 1 mm), Project Design Consultants (Phoenix, AZ) survey crews are using Trimble 5600 Robotic Total Stations for layout, as-built and control at the stadium. Trimble DiNi™ Precision Levels were also used to bring in vertical control. See feature article in an upcoming issue of American Surveyor: www.theamericansurveyor.com.

