

# Byrom Davey, Inc.

## Goes The **Extra Yard** On Yorba Linda High School Sports Complex

Written By: Brian Hoover

After many years of planning, the Yorba Linda High School finally broke ground in 2007. On September 8th 2009, the doors were officially opened to students with classes being held in portable trailers, while 40 permanent classrooms were being constructed. In January 2009, freshman and sophomore classes reported to their new classrooms. The class of 2012 will be the first to

graduate from this new school, that sits on approximately 70-acres and boasts over 170,000 sq. ft. of classroom and administrative space.

This new state-of-the-art high school includes a beautiful library, two-story gymnasium, performing arts building, a pool, an adjacent joint use park, baseball fields and a large stadium facility. The sports complex and facilities are yet to be completed

and were awarded to Byrom-Davey, Inc., Southern California's premiere builder of complete stadium sports facilities.

The Yorba Linda High School sports facility project officially began on April 26, 2010, however pre-construction meetings have been going on since the beginning of March 2010. Even though the design documents were already in place,



owner, Steve Davey and VP of Operations, Paul Pankow feel that it is important to sit down personally with their clients and offer their advice on where and how the budget can be maximized. They call this value and cost engineering and with Byrom-Davey, Inc.'s experience of building approximately 160 sports facilities thus far, they know what can be added or eliminated to help achieve the lowest guaranteed maximum price. Experience has taught them what works and what doesn't, which can be invaluable to a client during the design process.

The Yorba Linda High School sports facility is currently scheduled for completion by April 6, 2011. Byrom-Davey, Inc. is working around an unique request that the students be

able to utilize the field area for soccer, football and band practice during the construction process. This was a different challenge, as historically they always utilize the field as a laydown area for construction supplies and materials. The fields themselves are always the last to be constructed; however Steve Davey and his team has a reputation for doing everything they can to meet the client's needs. This would however require a strict coordination of all the various trades around the large open field, all while keeping everything perfectly safe for the students who use the sports facility on a daily basis. Additional flaggers and safety personnel were put into place to direct the truck traffic in and out of the facility and everyone has

been working together to improvise and come up with other areas to store their supplies. Never one to shy away from a challenge, Byrom-Davey, Inc. is making it work, with the massive forms that are in use and piles of fill dirt needed to backfill the many walls that can be found throughout the project.

John Paris of Byrom-Davey, Inc., is the project manager on the Yorba Linda High School project and explains, "In addition to the football field, the school district also wanted the baseball fields available for practice. We put our heads together and came up with a plan, where we completed the outfield first and then put a fence around the entire unfinished infield area. The teams are making use of the outfield while we



*We put our team to work  
so your team can play*

**Byrom-Davey, Inc.**

(Right L to R) John Paris, Project Manager, David Powell, Building Supervisor, Mark Deferville, Project Engineer and David Jensen, Site Superintendent - Byrom-Davey, Inc.





**(Above Inset) Byrom-Davey, Inc. relies on companies like Heavy Equipment Rentals for their heavy equipment needs. They rented several machines from Heavy Equipment Rentals for use on the Yorba Linda High School Sports Complex including: scrapers, dozers, wheel loaders and excavators. (Above Main Photo) Aerial shot of Yorba Linda High School.**

finish the infield, which will be ready to hand over to the school very soon. We just keep feeding them more and more of the sports complex as we complete each area. David Jensen our site superintendent and David Powell our building supervisor have made all of this happen with efficiency and that after all is why we are here. I used to think of design documents as a sort of bible, but now realize that they are more of a reference tool. It takes professionals like David Jensen and David Powell to interpret the plans and then pass that information on to others like me. I would like to recognize Mark Deferville our Project Engineer, who has worked hard to support and spearhead construction administrative task and activities. Overall we are currently on schedule and even a bit ahead of schedule on the site work and trending the

building schedule along with the project. Everyday is different and the challenges just keep on coming, but that is what makes this job so fun and interesting."

The Yorba Linda High School Sports Complex is valued at approximately \$10 million. The original estimates were higher, and through the value and cost engineering process, the team was able to save approximately a half-million dollars. A majority of the savings came from re-working civil grades, retaining wall heights, reducing the need for some handicap ramps and hardscape footprint, smarter building envelope and structural design by streamlining the electrical, plumbing and mechanical systems for efficiency and function.

Byrom-Davey, Inc. Site Superintendent, Dave Jensen summarizes the main field area, "The

complex is being constructed with concrete bleachers on the home side and aluminum bleachers on the visitors side. The project made use of an already existing slope to build the home side bleachers, and then we constructed some pretty good sized ramps to access the stands. We are also building a main entrance and plaza area that will require quite a bit of flat work. The synthetic turf fields we used have cryogenic rubber, which is made up of shredded car tires that are frozen in a nitrogen process and then crushed and screened to size. In addition 1 1/2 to 2 inches of sand along with the rubber creates the "Infill" for the field to support the synthetic grass fibers that are attached to a structural backing. When brushed, groomed and finally played upon by the end-users the synthetic grass blades begins to resemble actual grass. This

process has come a long way over the years and we are very proud of our many fields across Southern California."

David Powell, Building Supervisor for Byrom-Davey, Inc. explains additional building features, "We are constructing three other buildings, including two team rooms with restrooms on each side and a concession building in the middle, complete with a full kitchen facility. In addition, the new school will have a state-of-the-art press box, which will be tied into the concrete bleachers, with a ticket booth located just behind. Outside of the main field area, we are constructing the varsity baseball fields and the all-weather track."

There are other construction companies out there building sports facilities, however it is the tremendous amount of experience and that extra effort that keeps so many relying on Byrom-Davey, Inc. time after time. John Paris comments, "Our owner Steve Davey is always looking for a more efficient way of doing things. For instance on this particular project, we had 40,000 yards of spoils left over from the high school building excavation process. Mr. Davey noticed that the field area was designed quite low and he recommended that we use the fill dirt to raise this area around three feet. This resulted in a better-designed field elevation area, as well as the additional savings of not

having to export any of the spoils. It all comes back to value engineering and ideas like this only come with experience. I think that is what sets us apart."

Byrom Davey, Inc. continues to add more High School, Collegiate, Private Schools and Public Entity projects to their resume. Byrom-Davey, Inc. is a Southern California based company that has a main office in San Diego and a satellite office in Fontana, CA. They specialize in the construction of synthetic turf football/soccer/ baseball fields and all-weather tracks along with the construction of complete stadium sports facilities. For more information, please visit them online at [www.byrom-davey.com](http://www.byrom-davey.com) or call 858-513-7199 x109. **Cc**



(Top Right) One of several excavators rented from Heavy Equipment Rentals, LLC.  
(Bottom Right) Some of the forms used in the construction of the concrete bleachers.

