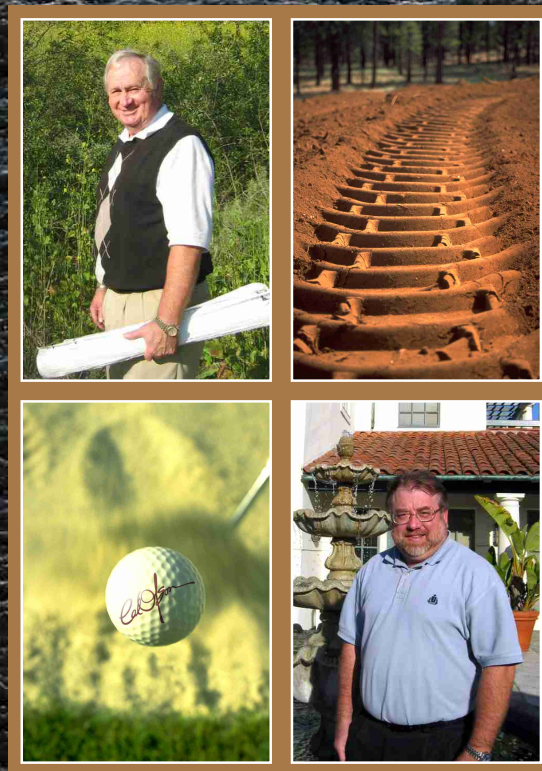




"Without aspirations, the mountain tops would always remain distant and great achievements would never be accomplished."

- Cal Olson

Cal Olson
GOLF
ARCHITECTURE
Aspire



Cal Olson is a true renaissance man – an old school throw-back and that is meant in the most flattering way. Cal has always been a big picture man; a person that ownership knows is always looking after their best interests of the project at hand.

He is a true golf architect and approaches his job from a variety of backgrounds and experiences. Make no mistake, Cal is a golf man and knows the value of a course that does not make compromises in integrity. But he also knows the value of a total project and finds solutions to enhance all aspects of the end goal.

Such is the stuff that Cal Olson is made of and his client list will attest to his attention to detail. Call him old school, sure - but call him for your next project and you will make a friend and business partner for life.

Dale Volshin is a key component of Cal Olson Golf Architecture's creative and technical expertise. Joining the firm in 1992, Dale is involved in all aspects of course design from initial routing studies through project administration and planning to the actual completion of construction documents. He is a master of Autocad and Landcadd and as such, he creates detailed digital plans to use on his extensive field visits and observations.

Because of the strong digital capabilities he brings to the firm, project changes due to site discoveries are resolved with little complications resulting in tremendous cost and time savings to the project.



From it's 8,000 foot elevation to massive rock outcroppings the Sierra Star Golf Club in Mammoth, California was a tremendous architectural challenge and accomplishment for our firm.

The duo of Cal Olson and Dale Voloshin bring a record of designing internationally recognized golf projects in China, Japan, Korea, Taiwan, French Polynesia, Singapore, Mexico, Spain, Canada and numerous locations across the continental United States and Hawaii

We are known for our responsiveness to the input and needs of our clients. We are all part of a team and we have found that timely solutions on a team level is what makes a project outstanding.

One of my favorite quotes was from Albert Einstein – “Intellectuals inherently have the ability to solve problems as they occur – a true genius avoids problems from occurring.”

At Cal Olson Golf Architecture, we pride ourselves in anticipation through experience to avoid life's problems.

Cal Olson

Solving Challenges - Coyote Hills



Coyote Hills was situated on one of the more unusual sites we have ever worked with. The plan involved routing an upscale golf course in and around 35 active, above ground oil pumping oil wells. Our goal was to weave a spectacular golf course through these wells and also take advantage of the stunning steep terrain and view opportunities found on-site. Occasionally we see absolutely flat sites that we need to shape to create a unique facility. Topographical variety is one of our strengths as a golf architecture firm.

If residential is adjacent, one also has to assure that the residential pads are well above the course for views and other considerations. All these culminate in trying to determine elevations of the course, pads and streets in harmony. In essence, the entire site needs to be "packaged" as a whole project before we start the golf course portion of the assignment. Another challenge is a perfect site - one blessed with such natural characteristics it becomes challenging from the perspective of being savvy enough to see these attributes, preserve these inherent qualities of the site and integrate this into the overall design.

Not many are capable of this and very few are capable of all three. We are and we have. Coyote Hills was a site that encompassed several challenges and we also had the honor of working with a PGA great and project consultant, Payne Stewart on this project.

Cal Olson



Schedule project meeting for Tuesday - have Fish and Wildlife there to establish protocol, directives and set flagging of wildlife habitat.

Coordinate with Oil Company to set needs for both golf and oil maintenance facilities and locations.

Meet with engineers for drainage locations, collection areas and effects of 100 year rains forecast on golf course routing.

Schedule Payne Stewart visit and prepare sample bunkers for his review and approval.

We have approval for the planting of 2,500 trees - meet with landscape contractors to flag locations.

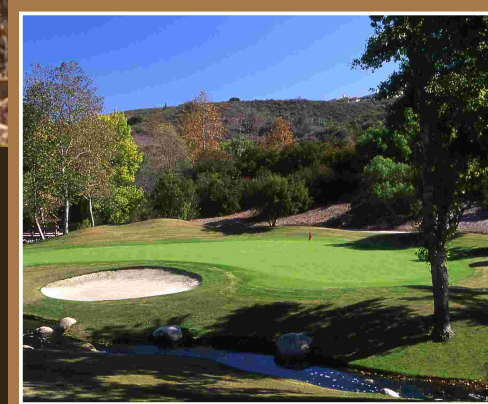
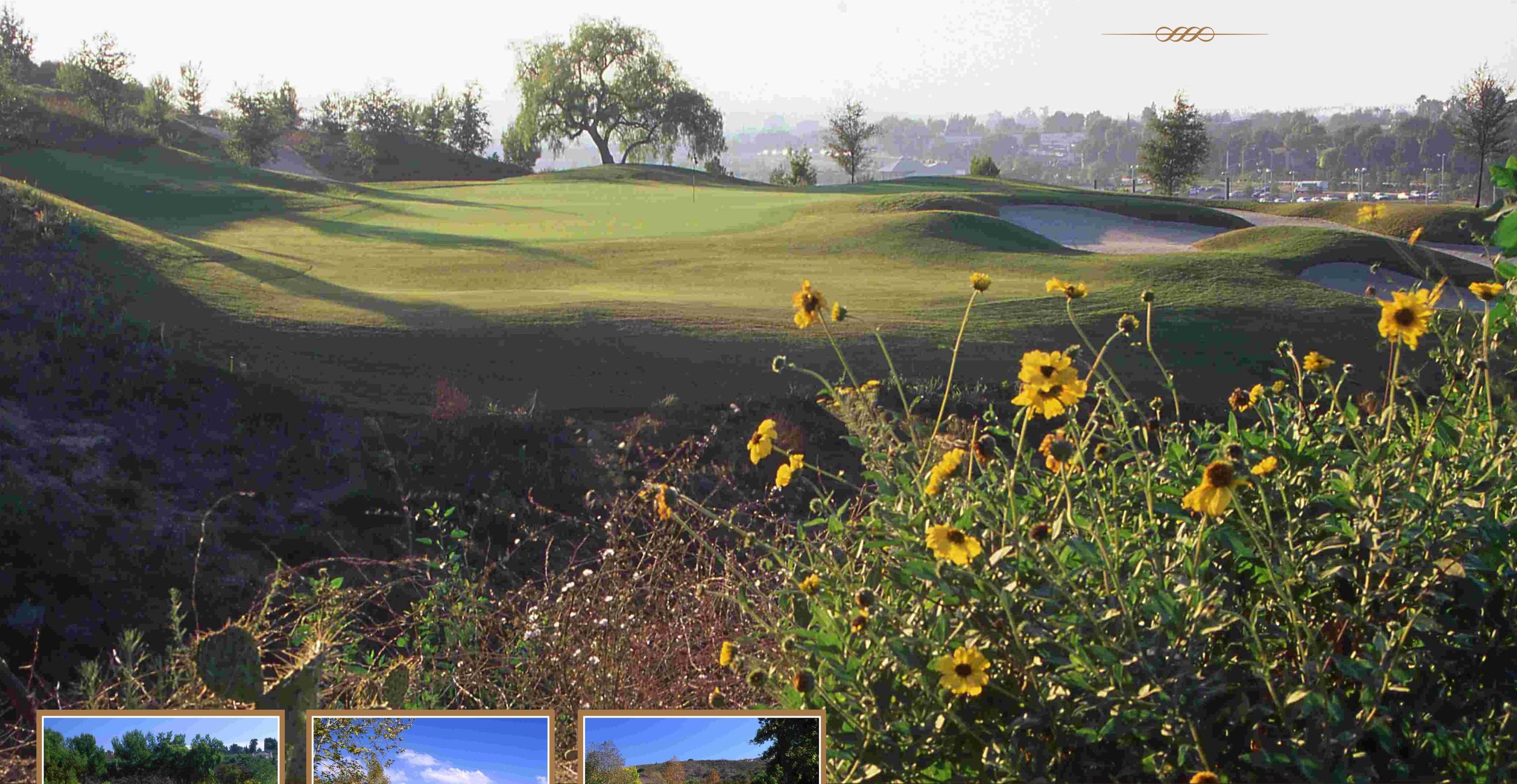
Cart path on hole seven needs to be supported by grid panels and let's use stair step plantings to maintain steep slope.

Lake contractor is ready to start both the irrigation lakes and well as the holding lake on hole 14 - make sure the grading balance is set for these projects.

Cal Olson

The Challenges in Designing Coyote Hills Golf Club.

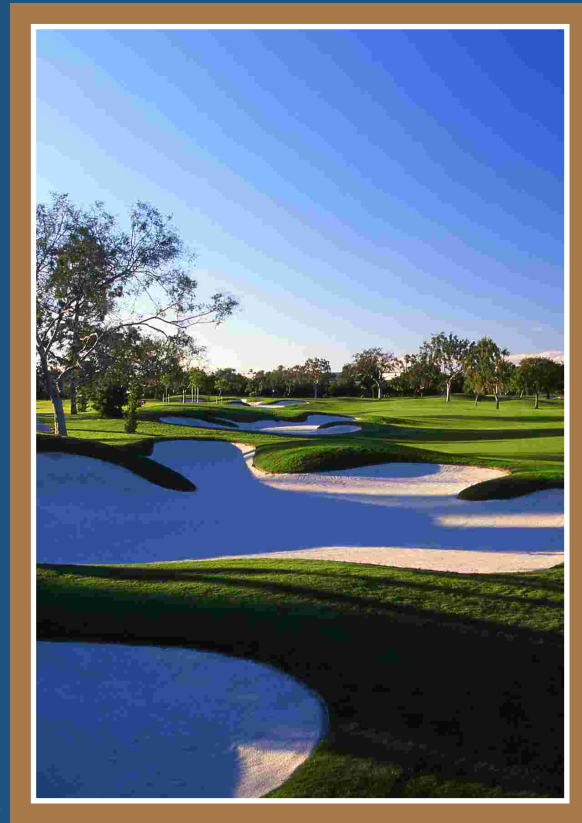
The changes in elevation, while increasing the aesthetic appeal for the golfer, presented the engineers with a formidable challenge.



Coyote Hills- Fullerton, California. This project had 35 oil wells that were randomly located on the site. We had to relocate some, retire some and provide access roads to all that remained. We also designed access to service the wells on a regular basis without disrupting the golf play. In addition, we had to re-route all pipelines on the site to avoid golf, be serviceable and work with golf grading. The course has exceeded expectations and has been an award-winning success for the community and ownership.

Cal Olson

The Challenge - Remodel Skylinks at Long Beach



No two Cal Olson golf projects look or play the same. The firm approaches each project with a fresh eye, creating a unique course that incorporates the aesthetic value, environmental values, natural topography, physical features and other constraints of the landscape into the final golf design. We also consider characteristics of the game such as risk/reward, pace of play, playability, and shot values into the course routing and design. The results provide exciting, challenging, visually pleasing and playable golf courses in an efficient manner.

The challenge at SkyLinks was to take a once flat and rundown municipal course and turn it into an upscale course that is affordable, playable and will rank among the finest public venues in California.

The new championship par 72 course is now 600 yards longer, measuring 6,910 yards. The re-designed track features all new Bent grass greens, new Bermuda grass tees and fairways, four new lakes with fountains, 80 new gaping bunkers, 700 new trees, a thousand new shrubs and a sparkling new waterfall as a backdrop for the first and tenth tee boxes. This was no simple facelift – this is an entirely new and stunning golf course for the citizens of Long Beach, California.

Cal Olson



Let's take it all out – grasses, trees, cart paths – all of it, to create a new exciting course and not just a redo. Let's do it right.

Pay attention to other public areas to make them upscale – parking, practice areas, cart paths, course restrooms, landscaping and ponds.

We are near the airport – Coordinate with the FAA on pond placement before we dig. See department of health on ponds and circulation as well.

We need to light the range, pond fountains and waterfall, discuss permits for these features.

Heavy rains are in the forecast – check on drainage and pond retention, a great playability test – we are looking good.

Set Tuesday meetings for the entire project to review costs with city officials and the contractors.


Remove all outside irrigation lines to create mounding and bunkers to stop errant balls and improve aesthetics. Replace with new lines after shaping.

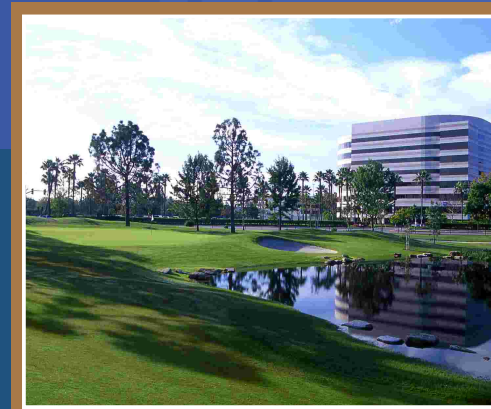
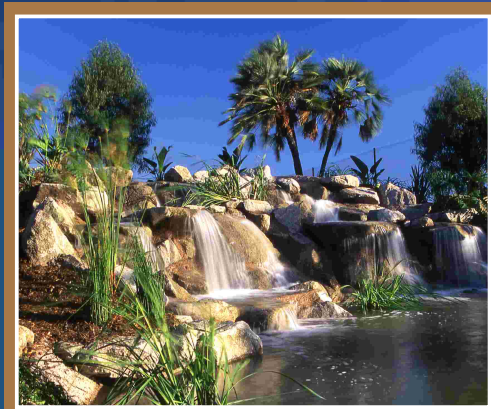
Check greens mix lab results for soil sample specifications and begin staking locations for the new trees.

Cal Olson

The Result

“Best Public Redesign of the Year”

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Splendor in the City – A National Award for Skylinks
as the best “Public Redesign of the Year”
A tremendous honor for the City of Long Beach.

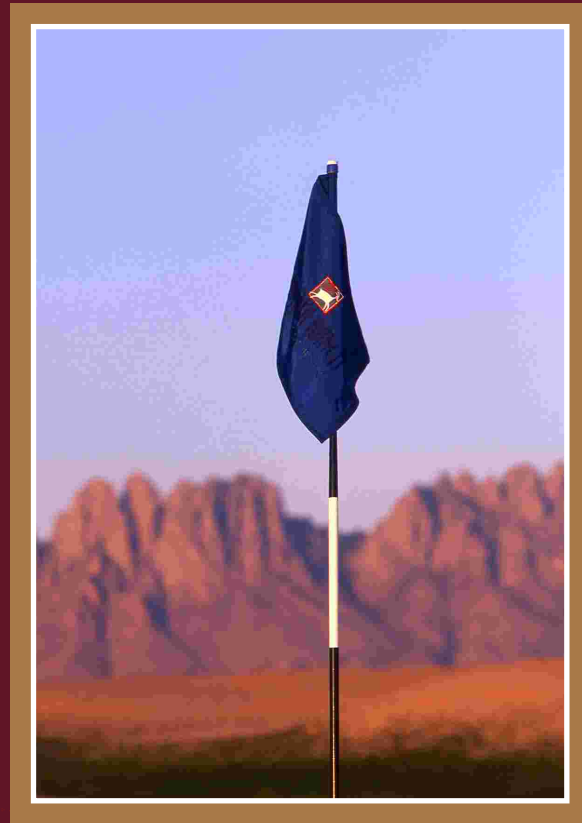


Skylinks at Long Beach was a challenging assignment to upgrade a dead flat tract with tremendous drainage problems on a pre-set municipal budget – a great project.

Four ponds were positioned in key locations and mounding was shaped to create visual interest, set bunker flashing and keep the course playable. The combination of retention ponds and mounding eliminated the need to import earth and saved budget dollars for other key course upgrades.

Cal Olson

A Controlled Environment - Sonoma Ranch.



As in life, the architectural world is also full of challenges and working with the unknown. Challenge can take many forms from steep terrain being a challenge, related into taking engineering knowledge and translating that in developing a site which ends up looking "natural". The opposite - a flat site - is just as challenging from a different perspective. How does one get the site to drain, look natural yet balance the earthwork to create an intimate golf experience? We look forward to these kinds of opportunities and challenges.

When a course is finished the industry has an expectation of lush fairways, rolling roughs and manicured greens all with a rich green and healthy hue. The grass always looks great at the controlled environment of the turf farm or laboratory; however on location soil conditions may be drastically different. High desert soils are much different than saline conditions found at a low desert or seashore. The desert terrain of the southwest is far different than alpine regions where for months each year a blanket of up to 20 feet of snow may cover the site.

Cal Olson



Notes to double check -

Check irrigation water sources and confirm usage permits.

Check greens sand / soil samples and lab reports.

Change bunker design on holes # 7 and # 8 to match existing land forms and natural landscaping plan.

Meet with owners on building sites to confirm elevations and course views.

Stake cart paths to confirm they are not in view lines for the golf hole.

Stake a few shade tree locations but keep them minimal for each nine.

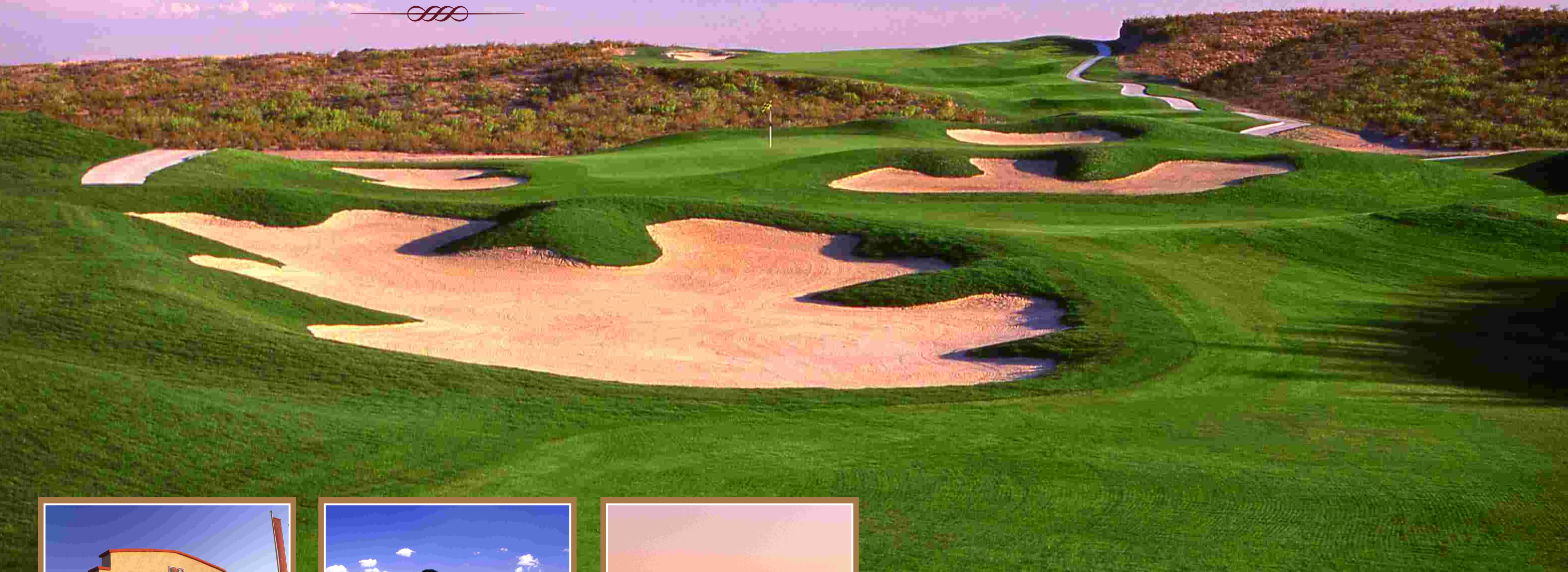
Approve the contractor recommended turf changes on the front nine and range.

Cal Olson

Sonoma Ranch a Planned “Open Space” Community



We believe in the “form follows function” concept where the topography of the course and surroundings blend in such a way they appear to have always been linked together. Years of experience developing golf projects and communities worldwide have made Cal Olson a master at solving environmental challenges. Here at upscale Sonoma Ranch, it was important to preserve views and open space. People who live in New Mexico do not want to feel hemmed in and the beautiful Organ Mountains need to be seen by everyone.



The golf architect needs to understand the overall goal of each and every project and recognize the issues needing resolution to achieve that goal. The golf architect does not replace but compliments the disciplines of landscape architecture, land planner and engineer on a project. The quality golf architect is required to understand and work with each of these disciplines and work directly with the ownership to create comprehensive plans, field monitoring and first class presentations in a leadership role within the team. Sonoma Ranch was an excellent example of multiple disciplines working together to achieve the goal.



A Climate's Impact - CasaBlanca



Just as soils affect the course, the climate has a huge impact on not only the grasses we employ but the landscape vegetation used to finish a project and protect the environment.



The types of trees and shrubbery make a significant difference in playability, effects on the golf shot, buffering of adjacent properties or providing the "park-like" setting so important during a round. Tree placement around the green can help or hinder growth of the grass, deciduous or evergreen trees can change the color palette or aesthetics of the links just as a flowering plant, indigenous grasses or tree leaves might adversely affect play or be the very thing that creates the distinctive "signature" of a course. The architect is fully involved with these decisions that will forever more dictate the experience the golfer has on the course.

It is important to control the Virgin River in this open plain or we could lose holes in a flood or if the river changes course.

Look to shore up the banks first and then bring the course to the river for playability and aesthetics.

Drainage and flood control need to be a priority concern.

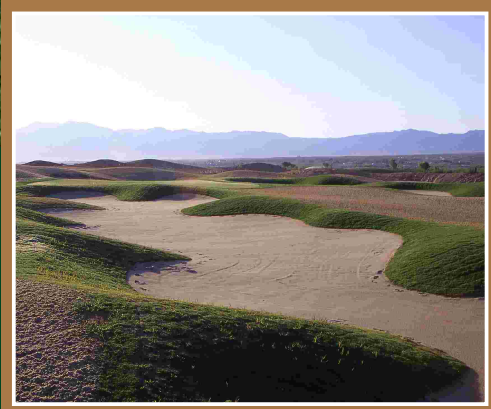
Cal Olson

Cal Olson

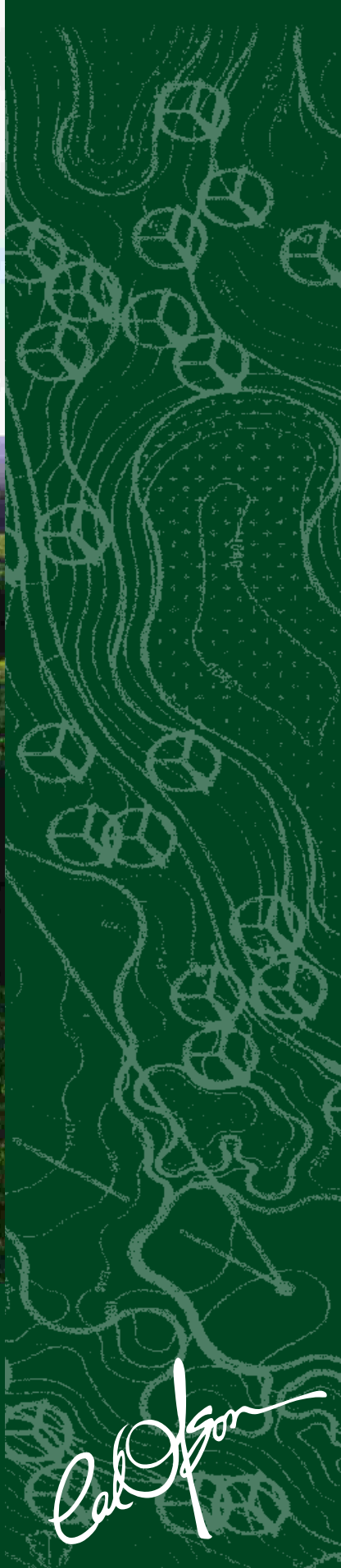
The Contours of CasaBlanca.



The challenge was to create a golf course that had interesting grade changes and contouring and to bring it near the meandering Virgin River.

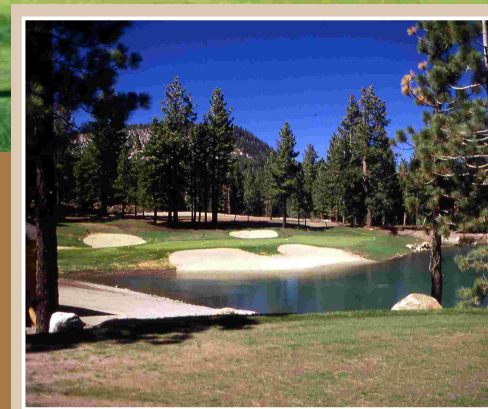
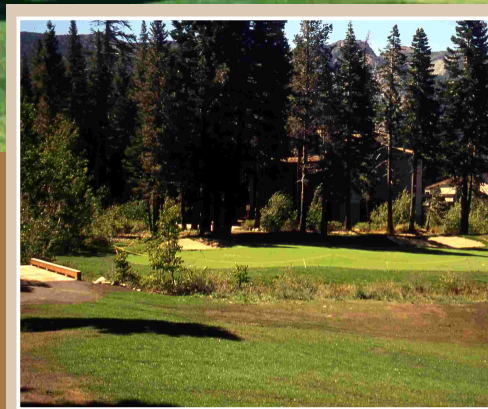


CasaBlanca – Mesquite, Nevada. Casablanca was a combination of farmland and river frontage. The river was armored to help prevent the river changing its natural course. While this protected the course for many years, the river has visited the old riverbed occasionally causing some disrepair but overall, the armor wall has been very successful in preventing damage and providing an exciting closeness to the river when playing golf.



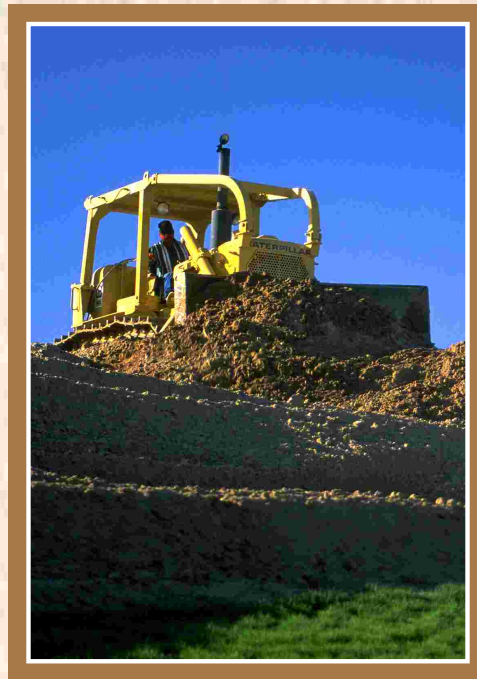
Sierra Star Golf Course

— ∞ —
The resort partner was Intrawest, so the final product needed to match their five star resort presence and ski facility.
— ∞ —



Sierra Star, Mammoth Lakes, California - Elevation 8,000. This project had virtually no soil with mostly rock under a thin topsoil layer. We buried rock on each fairway to generate soil for the fairways. Each fairway had trenches dug 50' deep the length of the fairway to bury large boulders found on site and to generate more dirt. This ultimately gave us fairway soil coverage and the ability to take the fairway to the tree edge to appear natural. Due to elevation, the site working period was shortened to 5 months, however the site was spectacular with tremendous view opportunities.





Cal Olson Golf Architecture is mandated by its philosophy to develop aesthetically pleasing and optimally playable golf courses always completed within a pre-design approved budget. It is paramount to Cal Olson Golf Architecture to understand the demographic who will be playing the course and design a facility to target that group. This is the formula for ultimate long-term success in a project.

Courses are conceived and designed to reflect superior and exciting concepts and construction techniques while maximizing natural resources and harmony within the constraints of the local environment.

The company was incorporated in 1979 and much of our work today is either repeat business or direct referral. This is a testament to our respect for the client's investment by staying on budget and providing the highest quality service in the industry.





"Grass, sand and water are some of the elements that combine to make a golf course, but it is tradition, legend and camaraderie that makes the game of golf."

- Cal Olson

