The Lakes at El Segundo
Conceptual Designs

May 17, 2016
Golf Course Design Task Force

Created by the City Council in June 2015 to collaborate with CenterCal to develop the golf course design within the guidelines of Exhibit D

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Community Vision

• Parks & Recreation Core Values
  • Affordable opportunities to play & learn golf
  • Safety and security
  • Outdoor open space
  • Family-friendly environment
  • Variety of programming

• Golf-focused experience with practice facilities and instruction

• Multi-generational accessibility
Overview

• Fry/Straka Introduction
  • The Partnership
  • Global Footprint
  • Experience
  • Our Courses / Awards
• Basic Safety Guidelines
• Selected Design Options
• Final Design Process Steps
• Final Recommendation from Design Task Force
The Partnership

Principal: Mr. Jason Straka, ASGCA
Principal: Mr. Dana Fry, ASGCA

20+ Year Professional Relationship
Mr. Jason Straka, ASGCA

- Masters degree in agronomy and environmental golf course design from Cornell University. Thesis on U.S.A.’s first Environmental Demonstration Golf Course.
- Background in golf course maintenance and construction
- Rated by Golf magazine as one of most influential people in golf
- Panelist for GCSAA / Golf Digest Environmental Leaders in Golf Awards
- Former Ohio State University professor
- Designed many golf courses used for PGA Tour Events, US Amateur and US Open
- Worldwide speaker and published author on golf course design
- 25+ years in the golf business
Mr. Dana Fry, ASGCA

- Former collegiate & top ranked amateur golfer holding several course records
- Extensive background in construction and shaping
- Designed many golf courses used for PGA Tour Events, US Amateur and US Open
- Panelist for Golf magazine Top 100 Courses
- Extensive worldwide travels
- 35+ years in the golf business.
Our Global Footprint

Worldwide associates eliminate distance, cultural and language barriers.

AUSTRALIA | BRAZIL | CHINA | CANADA | FRANCE | ITALY
SOUTH KOREA | THAILAND | UNITED ARAB EMIRATES | UNITED STATES
Our Global Footprint

Tallwoods Golf Resort
Forster, Australia
Our Global Footprint

Aguas Belas
Cascavel, Ceara, Brasil
Our Global Footprint

Phoenix Hill Golf Club
Anji, China
Our Global Footprint

Golf De Leognan
Bordeaux, France
Our Global Footprint

Acaya Golf Club
Acaya, Italy
Our Global Footprint

Club Mow
Hongcheon, South Korea
Our Global Footprint

Pine Tree Golf Club
Thai Muang, Thailand
Our Global Footprint

Yas Links
Abu Dhabi, United Arab Emirates
Our Global Footprint

Los Robles Greens
Thousand Oaks, California, U.S.A.

Camelback Golf Club, Ambiente
Scottsdale, Arizona, U.S.A.

Desert Willow Golf Course (36-Holes)
Palm Desert, California, U.S.A.
Global Press

Newsworthy content from around the world.
F/S team members have worked in both golf course maintenance and construction…

…and our expertise has allowed us to develop leading design techniques affecting both, in the short and long term.

“Maintenance is more important to golfers than design.”
- Golf Digest, 2013
Experience

Fry and Straka are published thought leaders and respected intellectuals in the profession of golf architecture.
Erin Hills Golf Course | Erin, WI
Site of 2017 U.S. Open
Site of 2011 U.S. Amateur
Golf Digest: America’s 100 Greatest Golf Courses (#42), America’s 100 Greatest Public Courses (#8), Best-in-state (#2), Best Golf Resorts in the Americas
Golf Magazine: Best New Course of 2006 (#1), Top 100 Courses in the U.S. (#96), Top 100 You Can Play (#22), Best-in-State (#3)
Golfweek: Top 200 Best Modern Courses U.S. (#127), Best in State (Public) (#4), Top 100 Resort Courses (#28)
• The overall final design of the golf course after modifications shall maintain a safety rating consistent or safer than existing conditions. For the purposes of determining golf course safety, the Minimum Safety Envelope (MSE) shall be utilized as adopted by the United States Golf Association such that all factors applicable from the Dean vs. McStain (Colorado) case shall be applied in the calculations of structures and roadways to any physically altered portions of the course. In the event that during the design process, more stringent safety measures are implemented in California, the mutually agreed upon Golf Course Architect shall determine the best practices for this type of facility.

- There is **NO** Minimum Safety Envelope (MSE) as adopted by the United States Golf Association
- There are no state-adopted or mandated golf design regulations
- Website is anonymous; [http://www.golfcoursedesign.com/](http://www.golfcoursedesign.com/)
- There are only industry-accepted guidelines
Changing Recommended Corridor Width

- 1974 - 300 feet (Rando and Jones)
- 1994 - 350 feet (Muirhead and Rando)
- 1998 - 400 feet (Cornish and Graves)
Analysis of Amateur Driving Data

As a means of analysing dispersion as a function of distance from the tee, the angle from the tee to centre of fairway line to the balls final resting place was calculated for each shot. As for the absolute distance from the tee to centre of fairway line, these data were presented by course for each year as box plots, Figure 12, Figure 13 and Figure 14. In these cases, it can be seen that the dispersion of 50% of the shots is generally within 5 degrees of the centre line whilst 80% are within 10 degrees and 90% within 14 degrees.

Figure 12. Angle from the tee by course (2006).
• Demonstrates requirements to reach 1,500 yards w/ 2 par 4’s.
• Would require entire rebuild of course w/ substantial regrading, tree removal, etc.
• Not room for pro shop, putting green, short game area.
• Is not safe.
• Does not reach 1,500 yards, but maintains two par 4’s.
• # 9 currently is a problem & will be more so with new TopGolf safety net.
• Additional unsightly safety net required to fit small short game area (8,500 s.f.) & putting green (4,550 s.f.).
• Requires removal of 6 parking spaces from current design.
• #9 shortened to a long par 3, 192 yards, with expanded lake.
• Clubhouse moved to corner of Sepulveda & parking lot (six spaces removed).
• Large short game area (24,500 s.f.) & shared putting green (7,450 s.f.).
• No nets required for short game & putting green; can utilize all or part of #9 for short game if desired.
• #3 plays over pond, will likely need safety net to protect Sepulveda.
Same as Option G1a except for holes 2 & 3.
- Hole 2 is shorted by 50 yards, but plays in same corridor.
- Hole 3 does not play over pond. Will likely result in fewer balls on Sepulveda.
• Six hole option; 3 holes can be played twice; results in a nine-hole option of 1,628 yards. Can be rated by USGA.
• Will require safety next extension along #9. Location of proposed safety net location is a concern.
• Short game area is large at 36,000 s.f. Can utilize existing #1 green.
• Putting green is large at 11,000 s.f.
Remaining Design Process

- **Design Development**
  - Fixes sizes, shapes, angles, etc. of all golf course features

- **Master Plan**
  - Incorporates golf and proposed amenities together on one plan

- **Construction Documents**
  - Plans, details and written specifications for permitting, contractor bidding, and construction

- **Permitting**
  - Process to secure necessary federal, state, regional and local permissions to construct the proposed golf course renovations

- **Bidding**
  - Process to allow for solicitation of bids from qualified golf course contractors

- **Construction & Grow-In**
  - Implementation of renovations and subsequent process to mature new turfgrass
Final Design Recommendations from the Task Force

- **Option B**
  - Shortens Hole #9 to a quality Par-3
  - Expands putting green
  - Expands short-game practice area
  - Maximizes view for outdoor patio
  - Maximizes operational efficiencies for starter

- **Further Considerations**
  - Defining boundary between TopGolf netting and Hole #9
  - Best configuration for Holes #2 & #3 considering safety and quality
  - Clubhouse floorplan and design materials
  - Ensure “flow” between facilities
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THE LAKES, El Segundo PRO SHOP

PRELIMINARY FLOOR PLAN
City Council Discussion

• Provide direction for an acceptable conceptual design of the 9-hole golf course and amend Exhibit D accordingly

• West Basin Municipal Water District potential parking area for lease