



CITY COUNCIL AGENDA REPORT

MEETING DATE: MAY 20, 2008

ITEM NUMBER: ____

SUBJECT: FAIRVIEW DEVELOPMENTAL CENTER SPORTS COMPLEX NETTING

DATE: MAY 8, 2008

FROM: PUBLIC SERVICES DEPARTMENT/ENGINEERING DIVISION

PRESENTATION BY: PETER NAGHAVI, DIRECTOR OF PUBLIC SERVICES

FOR FURTHER INFORMATION CONTACT: ERNESTO MUÑOZ, CITY ENGINEER, (714) 754-5335

RECOMMENDED ACTION:

1. Adopt plans, specifications, and working details for the installation of netting along the sides adjacent to the Costa Mesa Golf Course for Fairview Developmental Center Sports Complex.

BACKGROUND:

Fairview Developmental Center (FDC) and the City of Costa Mesa entered into a Lease Agreement and Memorandum Of Understanding (MOU) on March 29, 2007 and April 4, 2007 respectively. These documents were the result of extensive negotiations and coordination between FDC and the City that allowed a partnership to develop improvements at the west end of FDC's property (Attachment 1). The site currently has a developed open area large enough for two high school size soccer fields.

Due to inadequate quality surface conditions, the City has completely re-graded approximately five acres to playable standards, revamped the irrigation system, and planted new turf. The new turf is now established and ready for sporting activities. Attachment 2 shows a recent aerial view of these completed fields.

The City's Risk Management team, golf course operator, and City Attorney's office reviewed the recently completed improvements and observed that the existing chain link fence (Attachment 3) was not adequate to protect users from errant balls from the adjacent golf course, and recommended that a golf ball trajectory study be conducted to assess the need for the installation of netting.

The City retained the services of Tanner Consulting Group, a nationally recognized professional firm that specializes in golf course design, ball trajectory studies, and netting safety solutions, to study the three golf course holes adjacent to the FDC Sports Complex site and to provide netting recommendations.

ANALYSIS:

Tanner Consulting Group has completed their studies and prepared plans (Attachment 4) that include the result of the studies, as well as a netting plan, details, and specifications. The study concludes that the construction of netting appropriate for this application is recommended for the three sides of the field area adjacent to the golf course. The recommended heights of the netting vary depending on the proximity to the tee and angle from the projected ball path to the fence/net.

The consultant recommends net heights based on ball trajectories from average golfers which vary from 120-feet to 60-feet. Sheet N-3 from Attachment 4 shows all the recommended net heights.

Once the plans are approved by the City Council, the golf course operator will obtain the necessary engineering services for proper foundations and poles, and will award a construction contract to a licensed contractor.

ALTERNATIVES CONSIDERED:

City Council may approve a more conservative netting plan based on the ball trajectory study for professional-level golfers that would require the installation of taller netting with a maximum height of 160-feet.

The Council could also select not to approve any plans for netting. However this alternative may not provide for optimum safety of the field users.

FISCAL REVIEW:

The structural design and construction costs are being proposed from the Golf Course CIP budget and are estimated to cost approximately \$200,000.

LEGAL REVIEW:

The City Attorney's office has reviewed the ball trajectory study, netting plan, specifications, and details and recommends adopting them.

CONCLUSION:

Staff recommends that prior to allowing sports organizations to utilize the newly renovated fields that the plans submitted by Tanner Consulting Group (Attachment 4) be adopted by City Council and that the golf course operator install the recommended netting.

ERNESTO MUÑOZ
City Engineer

PETER NAGHAVI
Director of Public Services

MARC R. PUCKETT
Director of Finance

- Attachments:
1. [Location Map](#)
 2. [Aerial view of FDC](#)
 3. [Pictures of existing chain link fence](#)
 4. [Plans prepared by Tanner Consulting Group](#)

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