

New Carlsbad High School at College and Cannon

The new Carlsbad High School at College and Cannon will be a comprehensive high school with an emphasis on environmental learning and experience. The high school will be built in two phases. The first phase, housing 1,500 students, will include classrooms, science labs, administration, library, media center, food services, gym, lockers, fine arts and Performing Art Center. The athletic fields include a football stadium, baseball field, softball field and basketball and tennis courts. The campus concept design emphasizes the idea of a dynamic balance of man-made environment with nature. The architectural and site design will foster an intellectual understanding and experience of natural systems. The learning spaces are diverse with many types of indoor and outdoor venues. These spaces are intended to engage the students and provide an inspirational atmosphere for learning.

The site is located about three miles east of the ocean at the edge of an open space preserve near the corner of Cannon and College in Carlsbad, California. The site slopes from east to west with a natural drainage path across the site. The site is approximately 56 acres, surrounded by nature preserve. The proposed design allows the eastern part of the hillside to be returned to the native landscape and be seamless with the existing nature preserve. The campus is organized to minimize impact and grading to the natural environment by integrating the slope into the site design as well as maintaining the building and site improvement in compact scale. The building structures are located along a Promenade, a central circulation spine, which is running north-south, connecting the campus drop-off turn around and the north athletic fields. The east side of the Promenade is the zone for Science and Classroom buildings at the highest part of the site. The Library/Media and Food Service buildings are directly east of the Promenade and partially under the Science and Classroom Buildings. The Promenade opens to the lower level, which engage the Gym/Locker building and Fine Arts Building on each side of the Campus Green. The lowest level is the football stadium. The larger athletic fields, parking lots and stadium are located at the flattest portion of the site to minimize grading.





CLIENT

Carlsbad Unified School District

LOCATION

Carlsbad, California

COST

\$76,281,208

COMPLETION DATE

August 2011

ARCHITECTURE TEAM

Principal-In-Charge:
Ralph Roesling, FAIA

Project Manager:
Chikako Terada, Architect, LEED^{AP}

Project Architect:
Rommel Olaes, AIA, LEED^{AP}

PROJECT PARTICIPANTS

Architect of Record:
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Civil Engineer:
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Structural Engineer:
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Mechanical Engineer:
Syska Hennessey Group, Inc.

Electrical Engineer:
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Landscape Architect:
Wallace Roberts & Todd