

K-12 Education

Services

- Civil and Structural Engineering and Design
- Surveying and Mapping
- 3D Scanning, Modeling, and Design
- Sustainable Planning and Design
- GIS
- Design / Build
- Infrastructure Planning and Design
- LEED Documentation and Process Assistance

K-12 Education Projects



Columbus Middle School Improvements

Los Angeles, California

Los Angeles Unified School District (LAUSD) needed to replace damaged portions of asphalt pavement and implement stormwater management and low impact development (LID) upgrades at Columbus Middle School. Cannon was selected to provide civil engineering and site survey services. The project included pavement upgrades at playground areas, walkways, plazas, courtyards, parking areas, and service roads; paving at the physical education building and trash pick-up area; and maintaining compliance with Americans with Disabilities Act (ADA). The site drainage upgrades also complied with LAUSD's Storm Water Technical Manual, State Water Board Requirements, and met the intent of the Los Angeles County LID Manual. The LID best management practices included bioswale/bioretenion areas and pervious asphalt paving.



Charter Oak Unified School District Expansion

Covina, California

Charter Oak Unified School District wanted to expand Badillo Elementary, Cedar Grove Elementary, and Glen Oak Elementary in Covina, California to include new Learning Resource Centers (LRC). Some of the LRC features include space for a school library, school psychologist, speech and language pathologist, counseling staff, and an English language development aide. To stay ADA compliant, the projects required site engineering. Cannon was selected to provide civil site engineering, topographical survey, and construction administration services. Design included utility research and investigation; grading plans with signage, striping, paving, ADA requirements, and drainage; public street improvements; wet utility plans; and record drawings.



Garfield High School Auditorium and Classroom

Los Angeles, California

After an unfortunate fire caused damage to Garfield High School, LAUSD wanted to provide a new and improved auditorium and three-story classroom. LAUSD's project goals included meeting state laws and providing maximum safety for students. Cannon provided civil engineering and design services, including schematic grading; storm drain improvements; sanitary sewer, domestic water, and irrigation water analysis; fire water expansion; storm water pollution prevention and erosion control plans; topographic survey; permitting; and street improvements. Cannon confirmed work complied with requirements from Los Angeles County, ADA, LAUSD White Paper Toxic Substances Control, and the Collaborative for High Performance Schools. The new auditorium has 1,300 seats, a 2,000-square foot dual-use dance studio, and a black box theatre.



Monroe Elementary Modernization and Upgrades

Riverside, California

Riverside Unified School District (RUSD) wanted to modernize their campus, add a new classroom building and parking lot, and upgrade their existing parking lot. RUSD selected Cannon to provide site engineering and survey services for the project. Cannon conducted utility research and investigation; provided topographic survey and base mapping; and prepared wet utility precise grading with accessible design, water quality management, and storm water pollution prevention plans. Cannon also supported RUSD through the duration of the project by providing construction administration services and record drawings.