SCHOOL DATA

Established: 1952

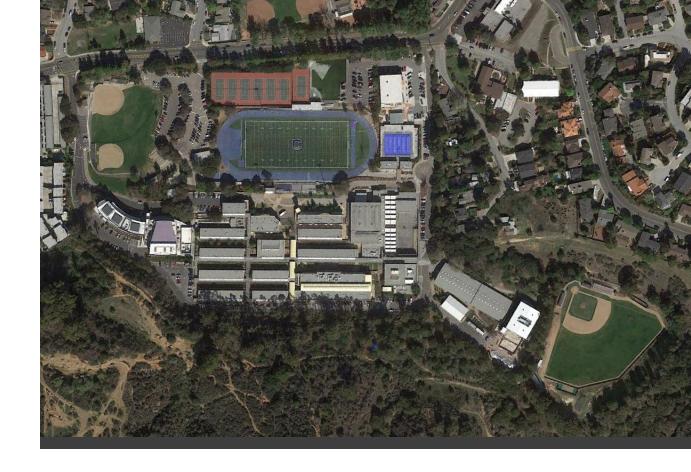
Classrooms: 97

Building Area: 264,600 sq. ft.

Site Area: 42 acres

Students in 2014: 2,121

Students in 2020 (Projected): 2,338







CARLMONT HIGH SCHOOL

PLANNING PROCESS: OVERVIEW & STAKEHOLDERS

HMC wishes to thank all the participants of the Site Master Plan Committee for their dedication throughout this process. It has been a dynamic process and a successful endeavor of shared-governance. Many wonderful ideas and insightful suggestions were made. These elements allowed HMC to develop the master plan rapidly and efficiently. The participants are listed below:

Site Master Plan Committee

Principal, CHS Lisa Gleaton Vice Principal, CHS len Cho Ralph Crame Vice Principal, CHS Grant Stuenenberg Vice Principal, CHS Teacher, CHS Irene Oliveira Kelly Redmon Teacher, CHS Richard Weigelt Teacher, CHS lerome Harris Plant Manager, CHS

Jeff Selman Parent

Kim Steinjann Parent

Walter Haub Director of Facilities, SUHSD Robert Fishtrom Director of Instructional Tech.

SUHSD

Lee Salin HMC Architects
Arturo Levenfeld HMC Architects
Carrick Boshart HMC Architects
Mary Morris HMC Architects



The Site Master Plan Committee met five times over the course of the summer and early fall 2014, and engaged in activities such as identifying committee goals and campus/parent/student needs, touring existing facilities, reviewing enrollment projections, evaluating Phase 1 and Master Plan design concepts, and incorporating the overall vision for a 21st century educational environment. Within a few days of a meeting, minutes were issued. These minutes, including analyses and alternatives, were then reviewed at the following meeting to refresh the group on previous details and discussion items. Current meeting agenda items were then reviewed and collaboratively discussed to further refine and develop the Phase 1 project and coordinate it within the Campus Facilities Master Plan at a conceptual level.

In addition to Site Committee meetings, HMC presented updates to the parents, students and CHS community at large on several occasions, including Back-to-School night last November, to brief the participants on the master plan efforts. These updates included status and developments of the Phase 1 project, anticipated schedules for construction activities for Phase 2 and 3 projects, final prioritization of the site committee's "dot-voting" of their Needs-list which included over 60 improvement projects."

SUMMARY

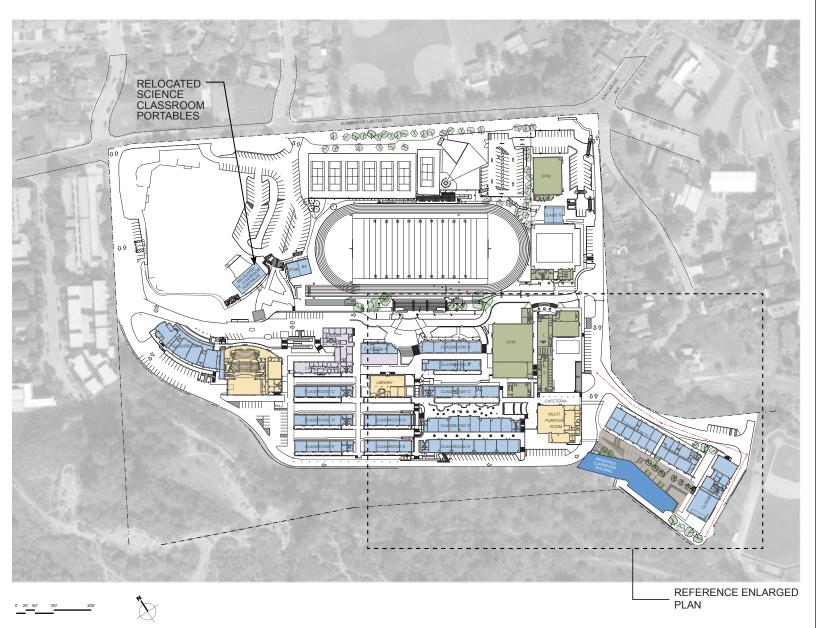
Through the collaboration of the Site Master Plan Committee, HMC and the District Leadership, the needs of the campus were identified, potential solutions and options were studied, and a vision for an improved, 21st century facility was conceptually documented.

Of critical importance to the planning are the recent boundary change and the discovery that the demographics of the feeder K-8 school district indicate a surge of students will arrive at CHS in the next few years. This will require more classrooms than existing facilities can provide. Also, as voiced by the local parents and community, there is a strong desire to provide new facilities and site-scape improvements throughout the campus to meet the educational and operational vision set by these stakeholders.

Additionally, many in the community see several of the original 1950's buildings to be past their useful life or not adequate to provide a 21st century teaching environment. To provide new replacement buildings, especially classrooms, will require demolition and construction at the location of the existing building site. Consequently, these projects will require strategic temporary housing and phasing strategies to minimize campus operations.

PHASES COST

	PHASE	EST. COST
MEASURE A	Phase 1 Projects	\$20,489,265
	5-Year Capital Repair	\$10,773,000
	Phase 2 Projects	\$3,3 <i>75</i> ,989
	Phase 3 Projects	\$434,000
·	Total	\$35,072,254





PROPOSED PHASE 1 SITE PLAN

LEGEND



NEW

CLASSROOM EXISTING



ADMINISTRATION



MULTI-PURPOSE LIBRARY THEATER



ATHLETICS



SHADE STRUCTURE



TO BE REMOVED



COVERED WALKWAYS

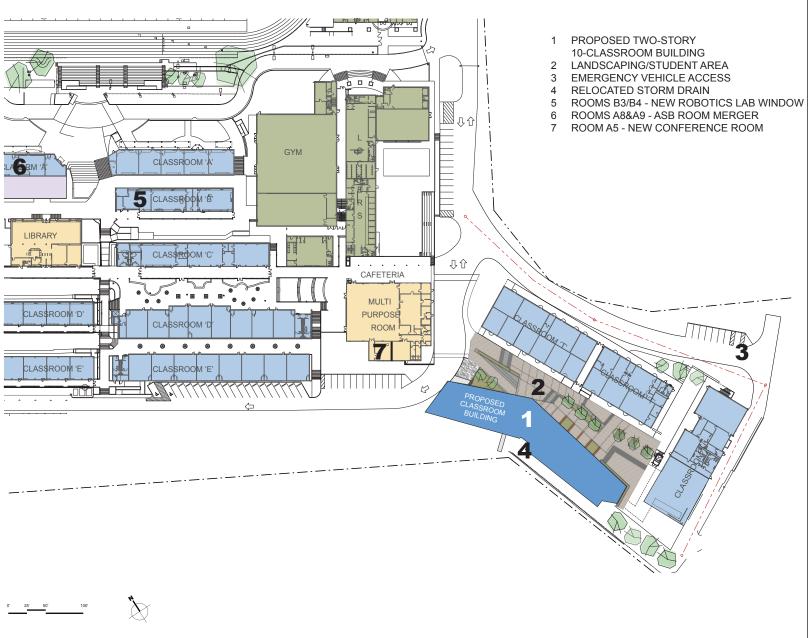
CLASSROOM

T RESTROOM

O OFFICE

FS FOOD SERVICE

EVA EMERGENCY VEHICLE ACCESS





ENLARGED PROPOSED PHASE 1 SITE PLAN

LEGEND



NEW

CLASSROOM

EXISTING



ADMINISTRATION



MULTI-PURPOSE LIBRARY THEATER



ATHLETICS



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TWO-STORY 10-CLASSROOM BUILDING

\$20,389,265

The proposed Phase 1 scope includes a new, state of the art, energy-efficient two-story 10-classroom building to be placed at the existing parking lot near the existing 'T' wing. The program includes six standard classrooms, three labs of various types, one CTE photojournalism class, a collaboration/lobby space, student restrooms on Level 1 and staff restrooms on Level 2, electrical/mechanical/data equipment rooms, an elevator, and circulation. Associated with this new construction will be the removal of the two existing 'B' portables (beyond service-life) and the relocation of the two 'S' portable classrooms onto the pad and utilities now available at the 'B' portables location. Note: The Master Plan vision for the campus ultimately prescribes the permanent removal of the two 'S' portables, thus providing a net gain of 8 classrooms to the Carlmont campus after the new two-story wing is constructed.

The proposed location for the new building allows the 'T' wing to remain in place as-is for the next few years, which is critical to providing classroom capacity needed to meet the imminent student surge coming from the feeder K-8 school, and subsequently allows for a future, adjacent courtyard/outdoor classroom in the space remaining after the 'T' wing is demolished.

To meet the Bond language and expedite the provision for an ADA accessible ramp to the baseball fields, a new ADA ramp is included in the Phase 1 scope. Also, due to the urgent need for new electrical equipment and underground conduits to replace the existing substation in the area, all new electrical gear and conduits will be installed as part of Phase 1.

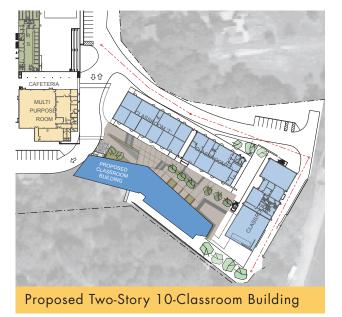
The new multi-level courtyard will provide a tree-shaded and dynamic student "hangout" area and will compliment the interior spaces of the new building. The outdoor space will include picnic tables, light posts with banners, numerous planter walls for seating, wireless access service, and a new amphitheater to seat one classroom to help facilitate outdoor learning.

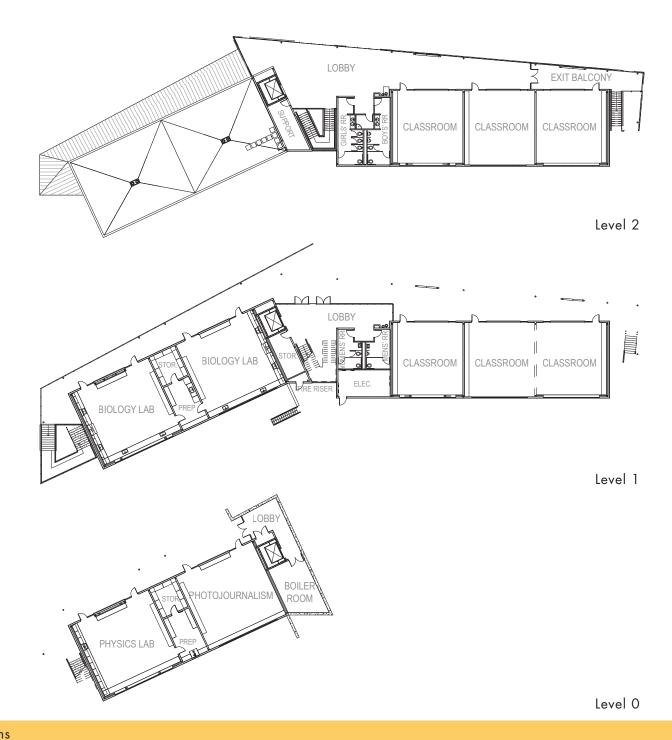
All of these improvements were based upon the challenges observed and design directives given to HMC by the site committee and other stakeholders during our site walks and planning meetings.

ROOMS B3/B4 - NEW ROBOTICS LAB WINDOW ROOM A8&A9 - ASB ROOM MERGER ROOM A5 - NEW CONFERENCE ROOM

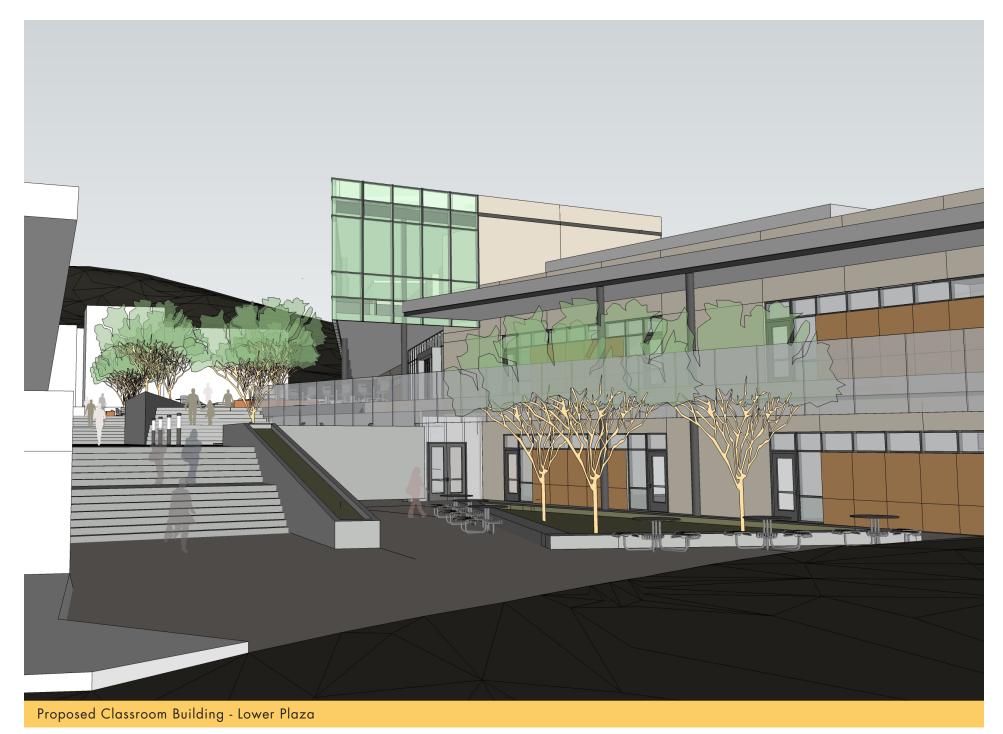
\$100,000

Room modifications at various room locations are necessary to support program needs.











\$10,773,000......5-YEAR CAPITAL REPAIR PROJECTS

ADA Compliance	 ADA Plan: Relocate water heaters underneath sinks to wall-mounted shelves within Building B Boys' restroom and Building L restrooms. Renovate Gymnasium restrooms to include an accessible toilet stall. Construct Accessible Ramp to Baseball Field
Asbestos Mitigation	 Unforeseen asbestos mitigation in locations to be determined by the District Remove solar shade asbestos panels and patch finishes at Wings B, C, D, and E Remove solar shade asbestos panels and patch finishes at Admin Building and College Guidance Center Demolish transite walkway canopy from Admin Building to 'E' Wing
Code Compliance Issues	N/A
Electrical Upgrades	 150kW generator for Student Union and kitchen equipment General Electrical Upgrades Replace inefficient exterior building light fixtures with LED fixtures Minor upgrade to fire alarm/emergency voice evacuation systems per 2013 CFC Electrical Scope for boiler replacement (e.g. circuit breakers, feeders, and disconnect switches) Wings B, C, D, E, and Library - Electrical Scope (e.g. circuit breakers, feeders, and disconnect switches) Locker Room Repairs - Fire Alarm, Lighting, Daylighting, and Controls Provide conduit pathway for lower baseball field sports lighting Relocate conduits to underground from canopy between Wings D and E Replace medium voltage feeders from substation behind Student Union Replace inefficient Wing D hallway light fixtures with LED fixtures Replace inefficient Wings D and E classroom light fixtures with LED fixtures Install exterior light fixtures outside of & emergency egress lighting at entry of existing theater
Energy Efficiency Projects	Electric Vehicle Charging Station

..5-YEAR CAPITAL REPAIR PROJECTS

Fire and Safety	 Security for locations to be determined by the District Remove fire hydrant from domestic water main at Building E Remove fire protection systems from domestic water main at Building D Clean all PIR sensors, replace all batteries, and test all keypads on existing alarm system Upgrade Existing Video System and Update District Standard Tie new cameras to local network PoE switch for Phase 2 - New Gym Lockers & Baseball Fields Expand the existing DMP system to cover the new buildings & tie new cameras to local network PoE switch for Phase 3 - New Tennis Court, Library, and Admin
Floor Replacement	 Floor replacement at various locations to be determined by the District Replace floors at Cafeteria and Kitchen Replace sub floor and install crawl space vents at East Food Modular Building due to rotting
Roof Replacement	Roof replacement on critical needs buildings as assessed by District vendor
Heating and Ventilation	 Repair walls, finishes and add HVAC at two exising Pool Building Showers (M & W) Replace boilers at B, C, D, E Wings and Library Upgrade heating system in Multi Purpose Building Replace heating system in upper Girls Locker Room Upgrade heating controls at T, B, C, D, E Wings Replace boiler in the music wing Retrofit Mechanical Room in corridors
Landscaping	Tree Mitigation
Locker Room Repairs	Repairs at Boys' and Girls' Locker Rooms specifically at shower areas
Painting	Painting of prioritized buildings

\$10,773,000. 5-YEAR CAPITAL REPAIR PROJECTS

Plumbing Upgrades	 Building 'K' Boys & Girls Locker Rooms Repairs Building 'KA' Locker Room and Girls "Addition" Lockers Repairs Replace sewer main from "T" Wing to Boys Locker Room Replace sanitary sewer from Admin to track Install reduced pressure backflow preventer at meter Site Drainage Improvements: Admin+Girls Locker Buildings/Camera survey all campus pipes General Site Drainage Improvements (Locations to be determined) Camera survey all sewer pipes. Provided detailed report for repair priorities. General Sewer Improvements (Locations to be determined) Limited water main improvements Retrofit showers in Boys Locker Room Remove temporary domestic water piping correcting service CW service to Wing E1 to E8. Provide permanent connection to CW main in Highland Road
Sports Facilities Repairs	 Bleacher replacement in Gym Replace Upper Baseball Field Bleachers Resurface Running Track Pool Sound Wall
Traffic Flow	N/A
Window Replacement	 Replace windows at Buildings B, C, D, E, Admin, Boys' Locker Room - North Wing, College Guidance Center, and Student Union Building L Cafeteria Bar (slider windows)
Parking	Repair chips, seal, and restripe parking at Senior Lot
Pool Repairs & Controls	N/A
Building Repairs	 Install New Walkway Canopy (Admin To E Wing) Structural mitigation in locations to be determined by the District





PROPOSED PHASE 2 SITE PLAN

LEGEND



NEW

CLASSROOM

EXISTING



ADMINISTRATION



MULTI-PURPOSE LIBRARY THEATER



ATHLETICS



SHADE STRUCTURE



TO BE REMOVED



COVERED WALKWAYS

CLASSROOM

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EVA EMERGENCY VEHICLE ACCESS

UPPER BASEBALL FIELD

HOME & VISITOR BLEACHER REPLACEMENT (INCLUDED IN CAPITAL REPAIR PLAN)

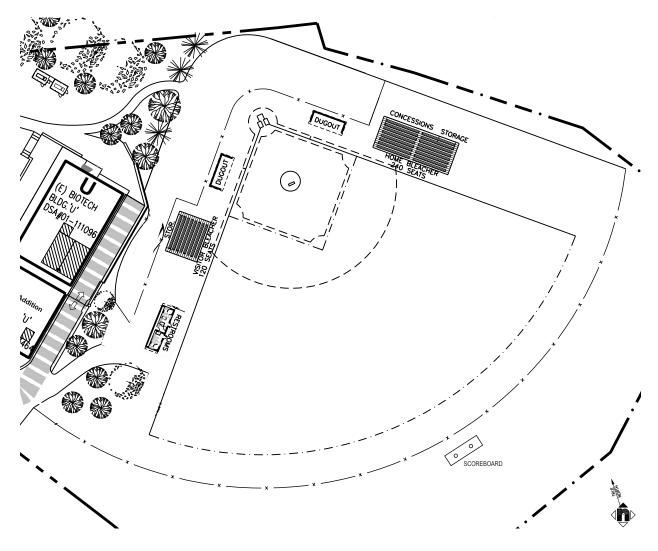
NEW SCOREBOARD AND POSTS

\$10,000

NEW MODULAR RESTROOM BUILDING \$385,000

The existing bleachers and support spaces at the upper baseball field are from the original construction and have less than one year of remaining service life. As part of the Capital Repair Plan, it is recommended to replace the existing bleachers with new bleachers to support a seating capacity of approximately 240 people on the home side with concessions and storage underneath and 120 people at the visitor side with additional storage underneath. A new modular restroom building and a new scoreboard and posts will also be built to support baseball program needs.

Note: All conduits for power, lights, data, communications from the lower campus up to the baseball fields will be installed in the Phase 1 project.

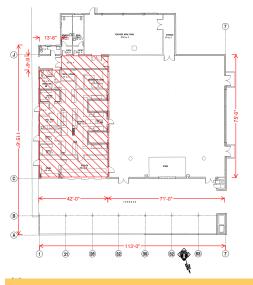


Upper Baseball Field - Proposed Partial Site Plan and Layouts

CAFETERIA - RENOVATION

\$1,500,000

The existing cafeteria and kitchen require utilities, equipment, and finishes repairs and an overall modernization to provide adequate facilities for the student population growth. The scope of the renovations will be further identified in the District Food Service Planning Process.







Student Union - Existing Floor Plan and Survey Photos

WATER FILLING STATIONS

\$100,000

As the use of reusable water containers have increased over the years, the campus could benefit from water-filling stations located throughout the campus. An estimated 10 locations are to be determined.

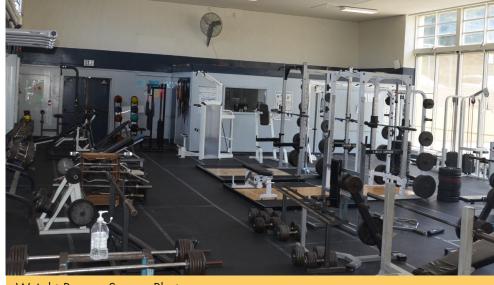


Example of water-filling station

WEIGHT ROOM - MODERNIZATION

\$100,000

The existing weight room is of original construction and will be updated with new paint, rubber mats, and lighting.

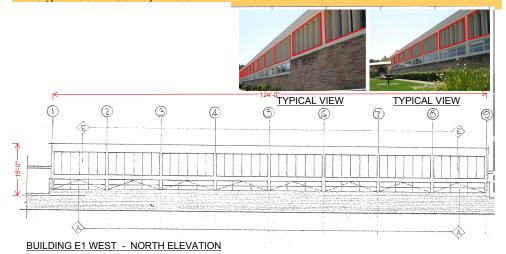


Weight Room - Survey Photo

WINGS B, C, D, & E - WINDOW FILM TINTING

\$100,000

With the elimination of the solar shades containing asbestos, an alternate sunshading solution is needed. Approximately 20,800 square feet of film tinting is recommended to control heat gain and to provide energy savings.

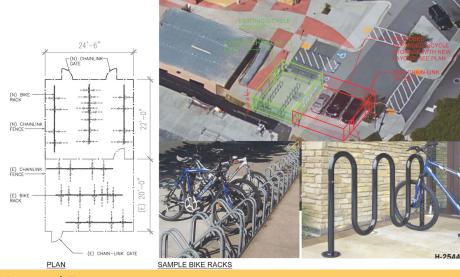


Wing E - Typical Elevations and Survey Photos of Solar Shade Panels to be removed

BICYCLE STORAGE EXPANSION

\$60,000

In order to address the increased enrollment growth, this item proposes to expand the existing bicycle storage area adjacent to the 'S' modulars and swimming pool to accommodate an additional 50 bicycles. Additional racks, chainlink fencing and gate will be installed.



Proposed Expansion

NEW LONGBOARD LOCKERS

\$65,000

In order to address the increased enrollment growth, this item proposes to install new longboard locker units at various locations throughout the campus to accommodate 50 longboards.



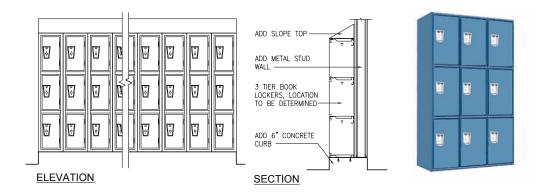


Sample locker unit and installation

500 NEW BOOK LOCKERS

\$260,000

In response to the anticipated growing enrollment, the installation of 500 book lockers with supports is recommended at a location to be determined.



Sample locker image, section, and elevation

EXTERIOR PAINTING AT GYMNASIUM, VISITOR TEAM ROOM ADDITION, GIRLS' LOCKER ADDITION, BUILDING K, AND BUILDING KA

\$145,000

The exterior paint at several athletic facilities have faded over the years and has not been repainted in quite some time. It is recommended to repaint these buildings in order to refresh their appearance and extend the service life of the exterior materials.

FOOTBALL FIELD - NEW BLEACHERS FOR BAND SEATING \$105,000

The football field currently does not have seating for band members during football games, and thus, it is recommended to install new bleachers to accommodate 50 band members.

B MODULARS - UPDATED FINISHES

\$50,000

Counseling rooms and offices will be housed at B modulars with modernization limited to new finishes and lighting.

ELECTRIC VEHICLE CHARGING STATION (INCLUDED IN CAPITAL REPAIR FUNDS)

Install electric vehicle charging stations at two locations.

BOYS' AND GIRLS' SHOWERS

\$405,000

This item includes the limited demolition of shower plumbing in six shower stalls with installation of new fixtures. Retrofit work will include painting the ceilings and walls near these six shower stalls and new light fixtures, as well as capping off unused shower heads and valves; and installing new chainlink fencing and mangates to enclose unused shower areas for locked storage. Also included in the scope are a new men's coach shower/restroom and a new women's shower/restroom with new fixtures, lighting, and limited finishes.

GYMNASIUM - RESTROOM UPGRADES

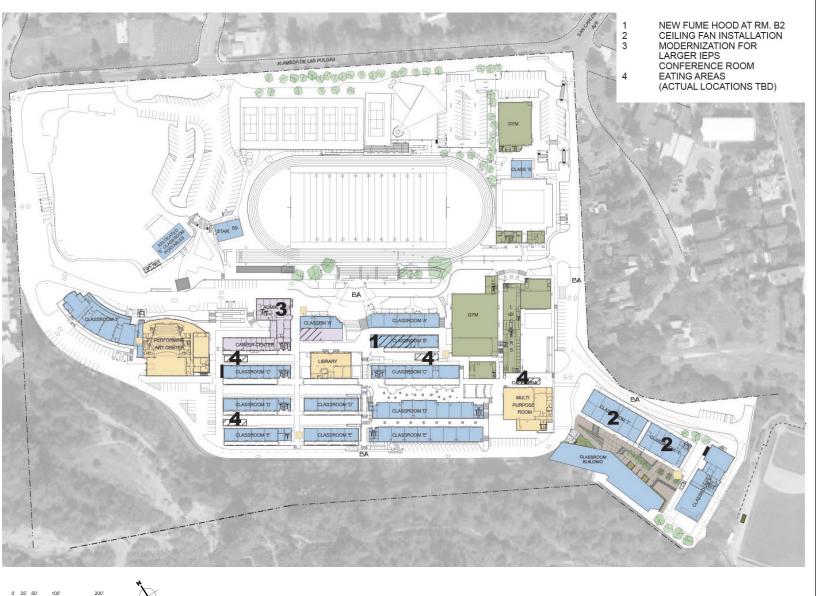
\$85,000

The existing restrooms at the gymnasium are in need of new finishes/fixtures, lighting, and ADA clearances.

STUDENT RESTROOMS TOILET PARTITION LOCK INSTALLATION

\$5,989

The existing toilet partitions at student restrooms have locks that are missing or broken. An assumed number of 50 partition door latches are expected to be installed.





PROPOSED PHASE 3 SITE PLAN

LEGEND



NEW

CLASSROOM EXISTING



ADMINISTRATION



MULTI-PURPOSE LIBRARY THEATER



ATHLETICS



SHADE STRUCTURE



TO BE REMOVED



COVERED WALKWAYS

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EATING AREAS - SITE FURNITURE ADDITION

\$280,000

ROOM B2 - NEW FUME HOOD

\$40,000

Due to the limited number of locations for seating during lunch time, additional tables and seating in shaded areas are recommended. The majority of picnic tables will be added near the existing Student Union and courtyard near the Administration wing. Remaining funds will purchase bench seating to be installed at various locations throughout the campus.

In order to improve student/staff safety during experiments, a fume hood is recommended for installation at Room B2 per the District Standard. The price identified is inclusive of power.

SPECIAL EDUCATION OFFICE - IEPS CONFERENCE ROOM

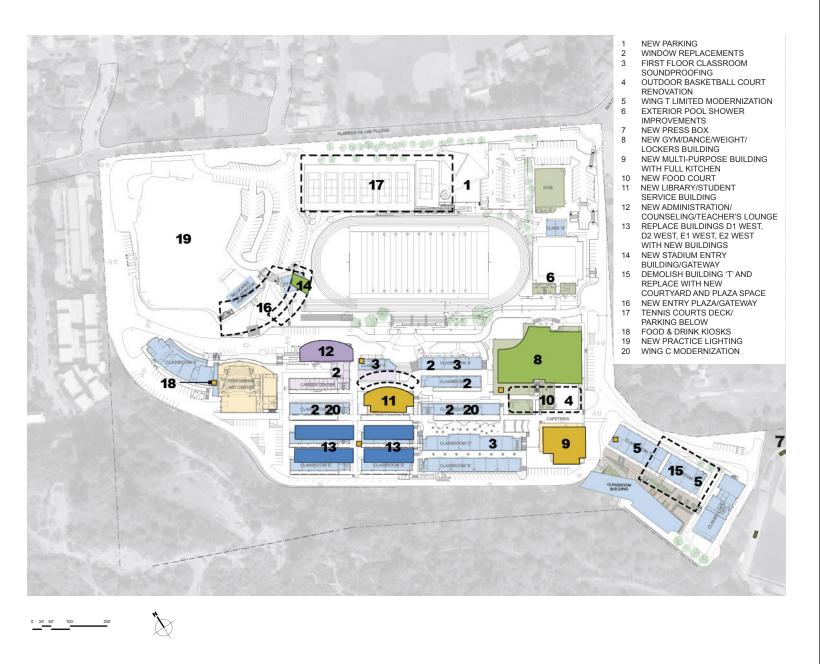
\$57,000

In order to provide sufficient space needed for a conference room to support this program, the modernization of an existing room, approximately 10 feet by 15 feet, is proposed.

WING T - CEILING FAN INSTALLATION

\$57,000

Wing T lacks adequate air circulation in its classrooms and other rooms in the building. Ceiling fans are recommended to be installed in all rooms. A total of 18 new ceiling fans are assumed to be installed; two at each classroom, one at each office, and one at the corridor.





20-YEAR HORIZON VISION PLAN

LEGEND



NEW

CLASSROOM

EXISTING



ADMINISTRATION



MULTI-PURPOSE LIBRARY THEATER



ATHLETICS



SHADE STRUCTURE



TO BE REMOVED



COVERED WALKWAYS

##

CLASSROOM #

T RESTROOM

O OFFICE

FS FOOD SERVICE

EVA EMERGENCY VEHICLE ACCESS

POTENTIAL FUTURE PROJECTS

Priority #1: New Parking	Proposed retrofit of shot-put/discus field into parking area
Priority #2: Window Replacements (to capture costs beyond Capital Repair Funds)	The windows at the following locations are from the original construction and need replacement to reduce heat gain and provide energy savings: Building A, Building B, Building C, Building D, Building E, Locker Rooms, College Guidance Center, and Student Union.
Priority #3: Soundproofing at First Floor Classrooms	Improvementsinclude installing resilient channels, gypsum board and acoustic batt insulation in hard lid ceiling areas, and installing mineral wool or acoustic batt insulation in existing grid/ceiling tile areas.
Priority #4: Outdoor Basketball Courts - Renovation	To address the growing demand for shaded seating, it is recommended to demolish the existing concrete bleachers and provide shade shelters and picnic tables for lunch-time eating or sit-and-wait areas.
Priority #5: Wing T - Limited Modernization	The 'T' wing is the most aged building on campus and has not had significant improvements since its original construction. In addition, the new 'S' wing lacks space for faculty offices. The modernization would include the reconfiguration/retrofit of three existing classrooms and miscellaneous support spaces to create two new classrooms and 10 new offices for counseling, staff, and workrooms. These changes will reduce classroom count by one classroom.
Priority #6: Exterior Pool Showers - Additional Shower Head Installation	Due to overcrowding and drainage issues, four new additional exterior heads, new drains, and upgraded exterior wall finishes are recommended.
Priority #7: Upper Baseball Field - New Press Box	Modular building (8'x36')

POTENTIAL FUTURE PROJECTS

Priority #8: New Gym/Dance/Weight/ Lockers Building	New 40,000 SF two-story building. (10% square footage added to the current square footage to allow for future growth.)
Priority #9: New Multi Purpose Building with Full Kitchen	New 15,000 SF two-story building, which includes a new multipurpose room, a new warming kitchen and equipment, storage, a 1,000 SF Study Hall, and a 2,000 SF Testing Center. The design will include roll-up doors to connect the dining space to the future food court.
Priority #10: New Food Court	New food court of an assumed 2,000 SF with new patterned colored concrete, 20 pieces of new combination table/bench furniture, and eight new 20-foot-high architectural light poles with banners. Landscaping with shade trees would be allotted 15% of the total square footage.
Priority #11: New Library/ Student Service Building	New 10,500 SF two-story building, which includes new 1,000 SF MDF/TELCO/Security room (location to be determined). Costs for all new cabling are to be included. (10% square footage added to the existing building size).
Priority #12: New Administration/Counseling/ Teacher's Lounge	New 22,000 SF two-story Administration Building, including the relocation of teacher's lounge from Building 'A' West. (10% square footage added to the current square footage to allow for future growth.)
Priority #13: Replace Buildings D1 West, D2 West, E1 West, E2 West with New Buildings	New Buildings with total 31,300 SF to match the existing Building D East, Building E East, and canopy between buildings. (10% square footage added to the current square footage to allow for future growth.)
Priority #14: New Stadium Entry Building/Gateway	1,000 SF Concession for Visitor team, 1,000 SF Concession for Home team, Men's Restroom (assume 8 fixtures), Women's Restroom (assume 12 fixtures), and Ticket Booth. Also see Priority #9.

POTENTIAL FUTURE PROJECTS

Priority #15: Demolish Building 'T' and Replace with New Courtyard and Plaza Space	Completely demolish Building 'T' (total 15,600 SF) and install a new concrete plaza with decorative light posts, shade structures, picnic tables, shade trees, and planter seat-walls. If this building is demolished prior to the proposed new D/E wing, the campus classroom count will be reduced by 13 classrooms.
Priority #16: New Entry Plaza/Gateway	New decorative steps, an architectural metal archway (30' wide x 15' high) with "Carlmont High School" metal letters mounted on top, enhanced landscape, decorative lighting, and 10 decorative site benches.
Priority #17: Tennis Courts Deck/Parking Below	Parking Structure at existing Tennis Courts site. New Tennis Courts at top of the new Parking Structure.
Priority #18: Food and Drink Kiosks	New food and drink kiosks, or "snack huts," with roll-up windows and access for trucks to drop-off food items. Quantity and locations to be determined.
Priority #19: New Softball Field Practice Lighting	New practice lighting at softball field. Assume turn key Musco lighting and controls.
Priority #20: C Wing Modernization	Replace all lights and interior finishes in all rooms. Provide new casework, ceiling fans, white boards, tackpanels, and operable windows in all classrooms. Provide new heating equipment and controls for the building.