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# FACILITIES MASTER PLAN 2005-2015

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M O O R P A R K C O L L E G E



VENTURA COUNTY COMMUNITY COLLEGE DISTRICT



The Fred Kavli Science Center

- Your Future Begins Here -



## PRESIDENT'S STATEMENT

Moorpark College opened its doors in 1967 with fewer than 1500 students. Back then, few imagined we would enroll close to 15,000 students today, with 19,000 expected within the next decade. Implementation of the Moorpark College Educational and Facilities Master Plans will ensure that the college's doors will remain open for them.

This Facilities Master Plan is designed to further refine the 2002 Facilities Master Plan and identify specific new construction and renovation projects to be completed in the coming decade. This plan was designed to guide Moorpark College construction and renovation projects so that the college continues to provide quality higher education in an environment that is inviting, safe, and conducive to enhancing all aspects of the learning experience.

This plan is the result of many hours of deliberation by members of the faculty, staff, management and student body at Moorpark College. Special recognition and thanks go to members of the Facilities Planning Steering Committee and the numerous project-specific committees for their hard work and unwavering vision of excellence at Moorpark College.

**Eva Conrad, Ph.D.**  
President, Moorpark College

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Library Learning Resources Building

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# Moorpark College Facilities Master Plan 2005 - 2015

## **Introduction**

It has been three years since Moorpark College published the previous Master Plan, a document which included the Educational Master Plan and Facilities Master Plan.

Planning is based on projections of population growth in the county and nearby communities. Moorpark College is projected to increase student population in the coming decade, increasing from the current 13,500 students to almost 19,000 students by 2015.

Moorpark College is preparing to meet the challenge of increased student enrollment.

To further articulate the vision of the college in specific areas, the college has created three (3) integrated plans that update and expand upon the original 2002 Master plan:

- Educational Master Plan 2006-2015
- Facilities Master Plan 2005-2015
- Technology Master Plan 2006-2015

Drawing from the framework established in the Master Plan 2002 and the Accreditation Self-study 2004, these integrated plans for the future speak to Moorpark College's dedication to improving its educational programs and facilities through planning and evaluation.

The purpose of this Facilities Master Plan 2005-2015 is to provide a current planning resource for campus facilities, revising and expanding upon the facilities plan in the Master Plan 2002.

## **Facilities Planning 2002-2005**

The passing of the Ventura County Community College District Bond Measure "S" in March 2002 provided the fiscal means to move ahead on facilities plans included in the Master Plan 2002. Moorpark College's portion of the bond funds (\$104,239,503) is allocated to construct and renovate buildings and to improve the college's infrastructure. All building projects are based on the educational plan section of the Master Plan 2002.

To focus on facilities in light of the funding provided by the bond, in fall 2002 the college established a Facilities Planning Steering Committee composed of students, staff, faculty and administrators. This group provided the leadership, guidance and the voices of constituent groups in the decision-making process. (See Appendix for the Facilities Planning Steering Committee membership list.) This group was guided and/or assisted by the technical expertise of the following firms: Spencer/Hoskins Associates, The JCM Group, TMAD Engineering, Hasan Engineering, and OASIS Landscape Architecture and Planning.

Between 2002 and 2005, the Facilities Planning Steering Committee refined the Master Plan 2002 related to facilities, visited other colleges, developed guiding principles, attended workshops presented by the professionals listed above, selected architects, and represented the college's interest in the completion of several projects. At the completion this process in 2005, the Facilities Planning Steering Committee was dissolved, and the college's interests will now be served by smaller committees dedicated to specific projects.

This Facilities Plan 2005-2015 identifies cost estimates for many of the projects. These estimates, prepared by The JCM Group, are projected during a time of dramatic changes in construction costs. According to a recent analysis of community college bids statewide, there has been a 30% to 40% increase in construction costs in the past three years. Understanding this caveat of the current environment related to costs, the budgets that were approved by the Facilities Planning Steering Committee and the District will be subject to change in the future.

## **Facilities Master Plan Map**

The Facilities Master Plan map on page 3 illustrates the Moorpark College campus developed for an enrollment of 19,000 students. New buildings are shown in approximate locations and indicate the amount of space needed. In addition to responding to the educational needs of the college, all new development throughout the campus respect the history and open environment of the campus and build on the traditions of the college. The Facilities Planning Steering Committee developed and then relied on the guiding principles throughout the facilities planning process (guiding principles listed on next page).



### **Facility Planning Guiding Principles**

1. The Master Plan 2002 drives the Facilities Master Plan. The Educational Master Plan is revised every three to five years based on program plans completed each year by each college program.
2. By utilizing inclusive processes for training, planning, and decision-making, we create a knowledgeable and competent community better capable of implementing the Master Plan 2002.
3. The College's park-like environment and open spaces will be preserved and protected whenever possible.
4. Safety and universal accessibility will be high priorities throughout the campus.
5. Planning and design will focus on flexibility, both pre- and post-construction, to accommodate future campus needs and potential changes.
6. Project design will address and balance environmental impacts both during the construction period and beyond.
7. Interdisciplinary and cross-functional spaces will be created where feasible, to enhance both the learning environment and opportunities for positive interaction among all segments of the college community.
8. Projects will be planned with state-of-the-art technology throughout and, to the extent possible, anticipate future technological advances.
9. Projects will be designed to consider and accommodate students' path through the college.
10. New buildings and additions will be designed for aesthetic unity and compatibility with existing buildings.
11. Capital, land, space, equipment, and human resources will be utilized for maximum effectiveness to serve students.
12. Interested members of the campus will participate in a job walk prior to approval of a preliminary project plans to better ensure that all possible considerations have been reviewed.

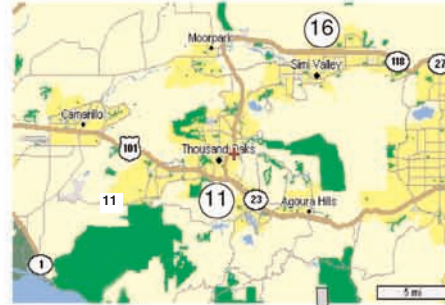
### **Master Plan Projects:**

	<i>Funding Source</i>
1. Parking Lots A, AA, B, C, D, & E	Bond
2. Library/Learning Resources Building	State & Bond
3. Child Development Center	State & Bond
4. Track & Field Improvements	Bond
5. Warehouse	Bond
6. Library Renovation	State & Bond
7. Academic Center	Bond
8. Physical Education Renovation	Bond
9. Exotic Animal Training and Management (EATM) Facility	Bond
10. Health Sciences Building	Possible State & Bond
11. Conejo Valley Center	Bond
12. Arts Complex and Communications Building Remodel	TBD
13. Secondary Effects: Applied Arts	TBD
14. Technology Building Modernization	TBD-Possible State
15. Student Center (Union) Remodel/Expand	Student Fees
16. Simi Valley Center	TBD
17. Infrastructure Update Projects	Bond
18. Landscape and Irrigation	TBD
19. Parking Projects	TBD
20. Expansion of Library/Learning Resources Building	TBD
21. Remodel Campus Entrances	TBD
22. Retrofit Remaining Buildings for Code Compliance	TBD





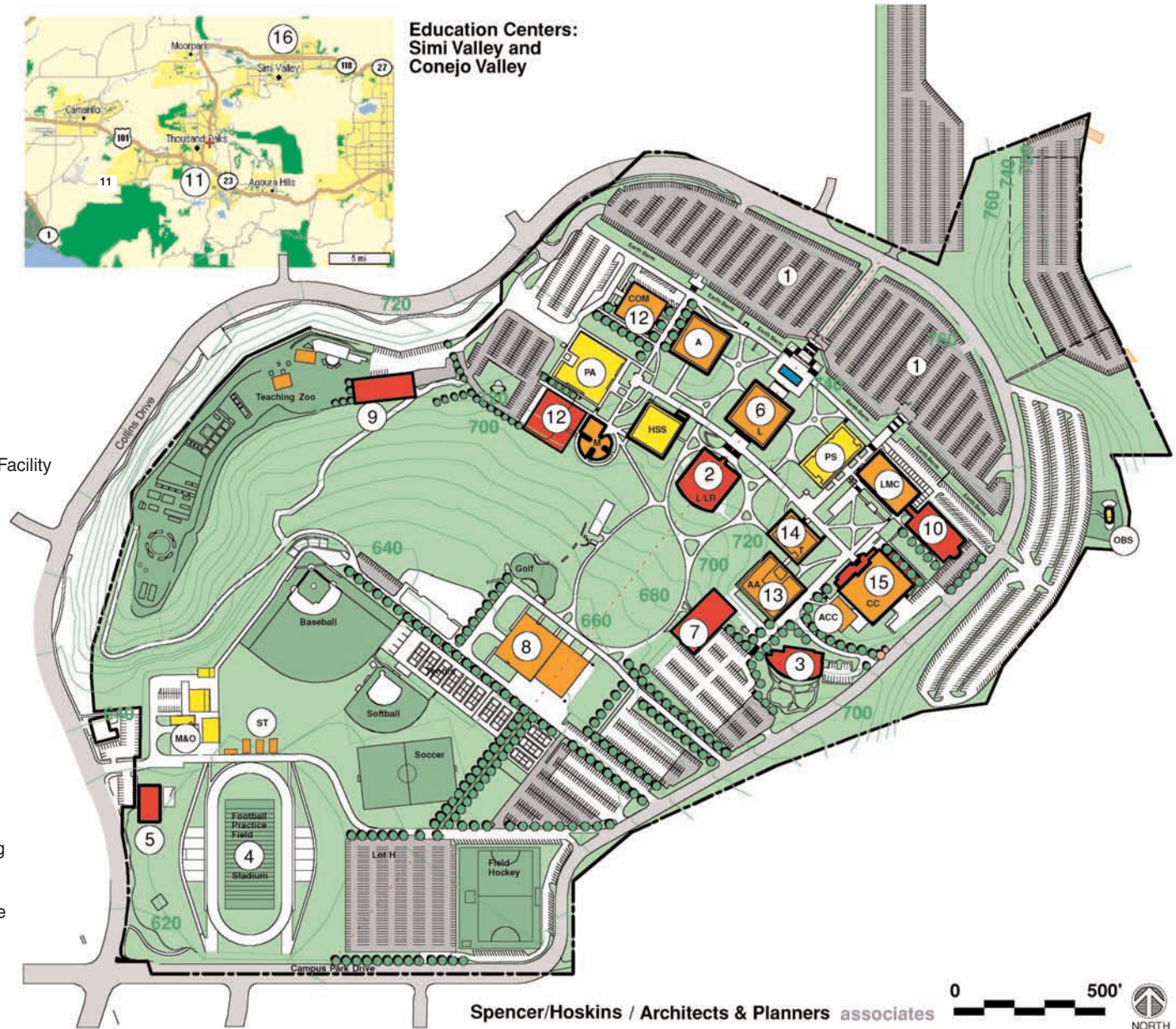
**Moorpark College  
2005-2015 Facilities  
Master Plan**  
19,000 Student Campus



Education Centers:  
Simi Valley and  
Conejo Valley

**Master Plan Projects**

1. Parking Lots A, AA, B, C, D, E
2. Library/Learning Resources Building
3. Child Development Center
4. Track & Field Improvements
5. Warehouse
6. Library Renovation
7. Academic Center
8. Physical Education Renovation
9. Exotic Animal Training and Management (EATM) Facility
10. Health Sciences Complex
11. Conejo Valley Center
12. Arts Complex and Communications Building Remodel
13. Secondary Effects: Applied Arts
14. Technology Building Modernization
15. Student Center (Union) Remodel/Expand
16. Simi Valley Center
17. Infrastructure Update Projects
18. Landscape and Irrigation
19. Parking Projects
20. Expansion of Library/Learning Resources Building
21. Remodel Campus Entrances
22. Retrofit Remaining Buildings for Code Compliance



Spencer/Hoskins / Architects & Planners associates

**Legend:**

	Proposed New Building or Building Remodel		Remodeled Buildings		Existing Buildings Unaffected		Affected Building to be Remodeled		Additional and Upgraded Parking
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**1. Parking Lots A, AA, B, C, D, E**

The main entrance to the campus is on the side farthest from town and the freeway. This unusual orientation is due to the expectation of the original campus planners that the freeway access would be built north of campus, rather than south as happened. As a result, the entrances to the campus parking lots are distant from campus approach roads.

This project, completed in summer of 2003, improved traffic flow and safety by bringing traffic into the main parking lots from the campus perimeter road. The number of parking stalls increased by rearranging the parking aisles to radiate from the campus. In addition, lighting, landscaping and emergency phone access was significantly improved in this project.



Parking Lot B



Parking Lot B

**Project Scope & Budgets:**

- 18 Acres Total Site Development
- \$2 Million Construction Costs
- \$2.4 Million Project Costs

**Funding:**

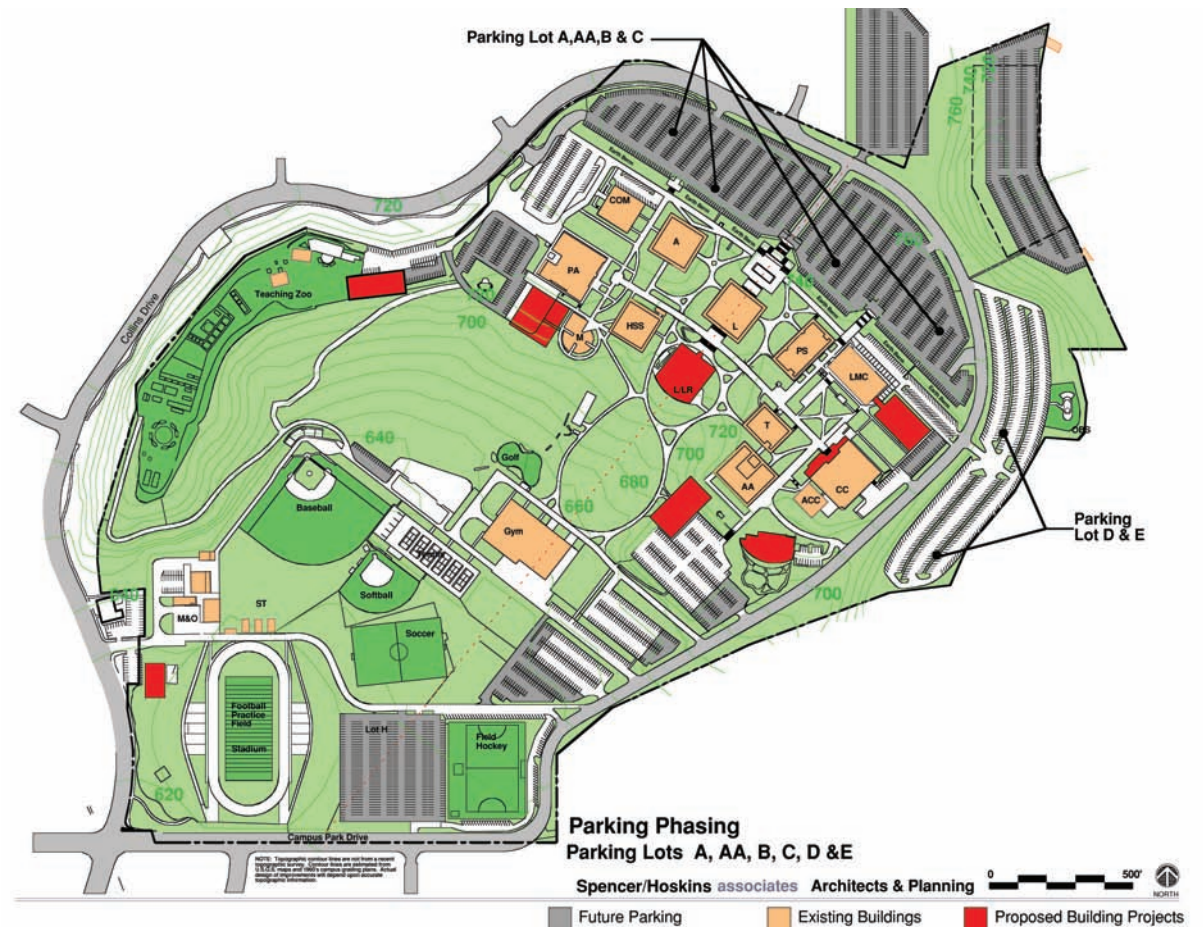
- State: - 0 -
- Bond Measure S: \$2.4 Million

**Schedule:**

- Design: 02/2003
- Bid & Award: 04/2003
- Construction: 08/2003
- Occupancy: 08/2003

**Architect:**

- International Parking Design



## 2. Library/Learning Resources Building

Open in fall 2005, the Library/Learning Resources Building addresses a critical shortage of space for library and independent/remedial learning and instruction, as well as a need for faculty training in instructional technologies and distance learning. It unites related functions in a single synergistic environment where new forms of student learning can be cultivated.

The L/LR Building was completed thanks to both state and bond funds.

### Project Budgets:

- 55,850 Building Gross Square Feet
- 39,000 Building Net Square Feet
- 85,000 Square Feet Site Development
- \$12.97 Million Construction Costs
- \$19.87 Million Project Costs

### Funding:

- State: \$14.37 Million
- Bond Measure S: \$5.5 Million

### Schedule:

- Design: 04/2002
- Bid & Award 04/2002
- Construction: 08/2005
- Occupancy: 09/2005

### Architect:

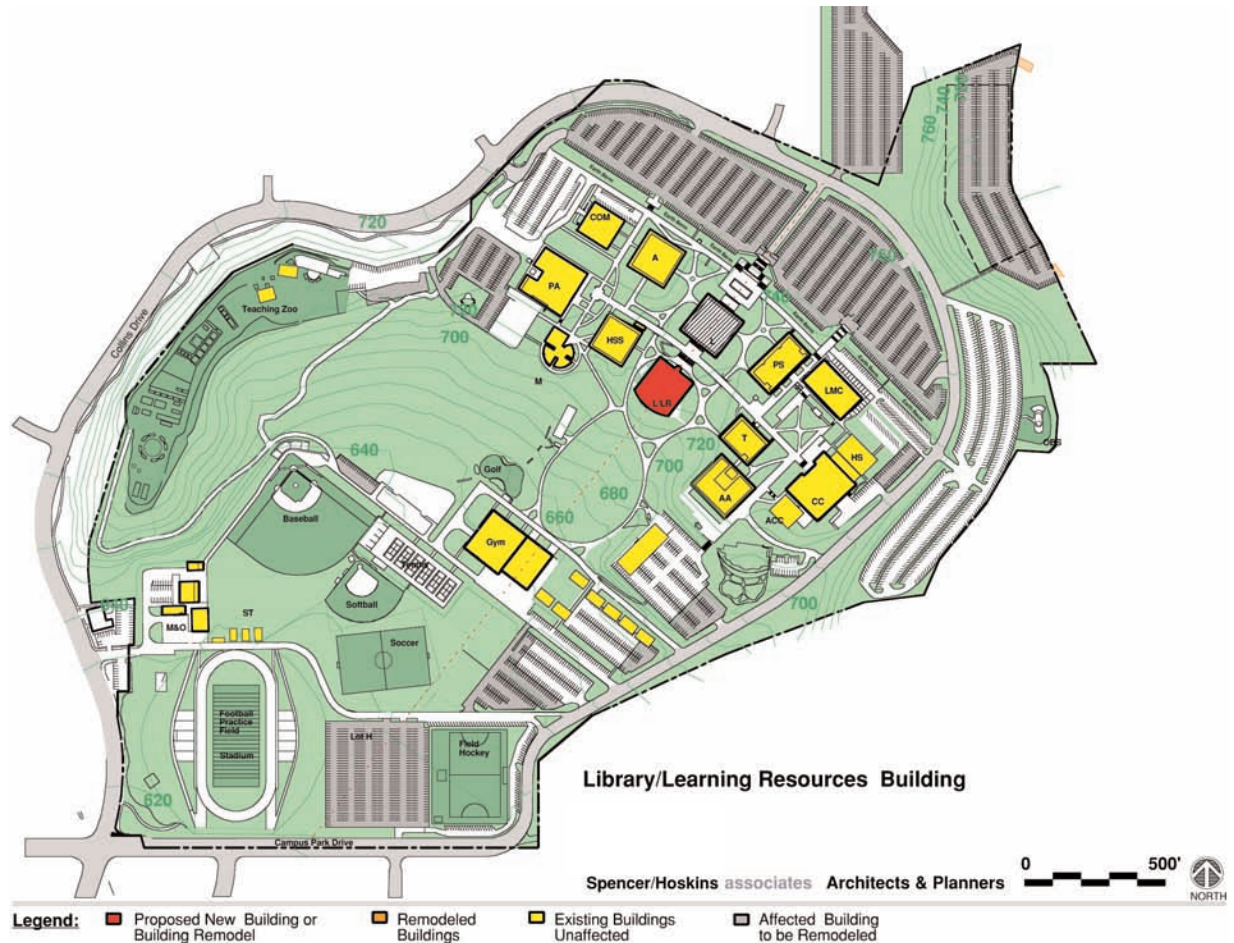
- Spencer/Hoskins associates



L/LR South facade



L/LR Third Floor Reading Lounge



L/LR Reference PCs

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### 3. Child Development Center

This project will provide a stand-alone Child Development Center with a licensed capacity for 103 children from infant to pre-school age. The 12,432 gross square feet of this building includes 5 pre-school classrooms with observation rooms and 2 college classrooms. The building is adjacent to a large play yard.

The current Child Care Center is housed in the Applied Arts Building and does not include space dedicated to related college instruction. The relocation of the existing Child Development Center will allow this space to be remodeled for use as studio art classrooms.

The project is currently under construction.

#### Project Budgets:

- 12,400 Building Gross Square Feet
- 98,000 Square Feet Site Development
- \$6.89 Million Construction Costs
- \$8.72 Million Project Costs

#### Funding:

- State: \$3.11 Million
- Bond Measure S: \$5.61 Million

#### Schedule:

- Design: 10/2003
- Bid & Award: 04/2005
- Construction: 05/2005 - 07/2006
- Occupancy: 08/2006

#### Architect:

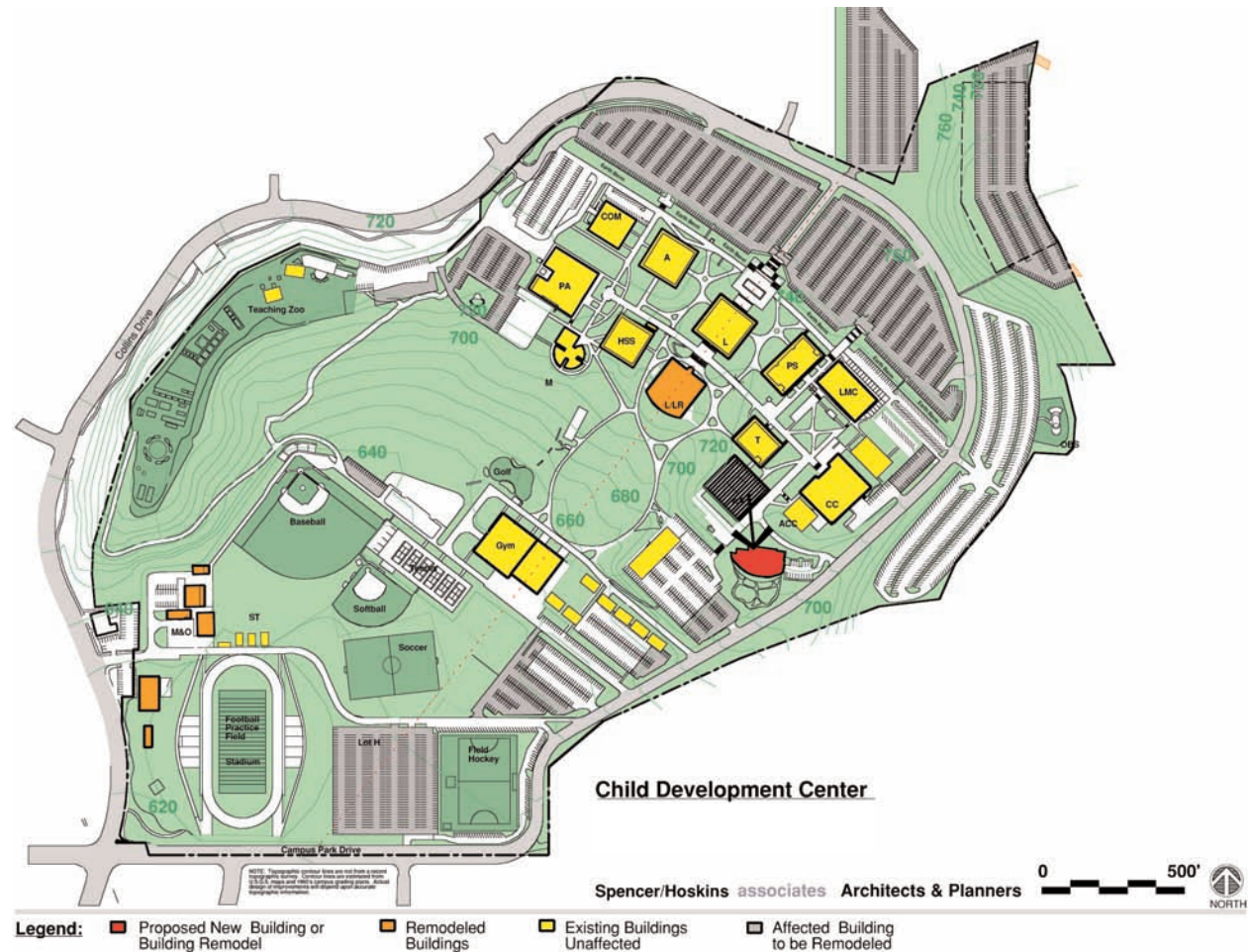
- Spencer/Hoskins associates



Computer Rendering - South Elevation



Under Construction



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### 4. Track & Field Improvements

This project, completed in spring 2005, included two components:

1. Converted the college's former clay track to an all-weather track suitable for collegiate competition.
2. Replaced the traditional grass football field with artificial turf.

The use of artificial turf on the existing field has three advantages: (1) reduces the amount of maintenance and water usage (2) reduces the rate of injuries to athletes and (3) allows multiple sports to use the field including practices. The adjacent practice field will be converted for parking. The final component of this project, installation of a state-of-the-art scoreboard, will be completed in Summer 2006.



Former Track and Field



New Track & Field

#### Project Budget:

- \$2.7 Million Construction Costs
- \$3.2 Million Project Costs

#### Funding:

- State: \$0- Million
- Bond Measure S: \$3.2 Million

#### Schedule:

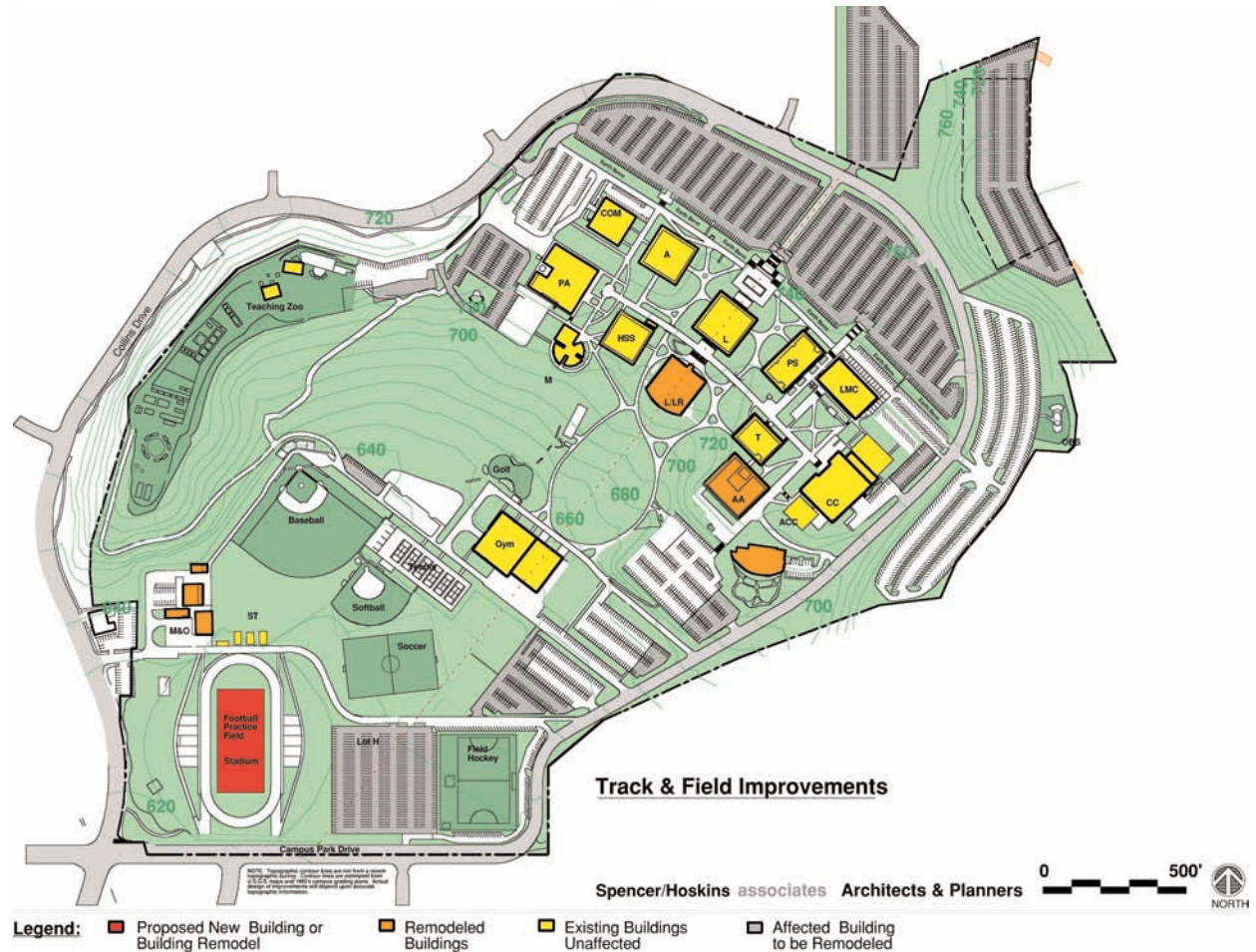
- Design: 02/2004
- Bid & Award: 03/2004
- Construction: 03/2005
- Occupancy 04/2005

#### Architect:

- Gonzalez/Goodale



New Track & Field



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### 5. Warehouse

To keep pace with expanding campus development, additional storage is needed for grounds and custodial storage. The warehouse has been designed to provide work areas, offices and tool rooms. A mezzanine level has been installed to significantly increase the storage capacity of this facility.

This 10,500 gross square foot modular steel building will be ready for occupancy in Spring 2006.



Warehouse under construction



Completed Warehouse building

#### Project Budgets:

- 10,500 Gross Square Feet
- 8,800 Net Square Feet
- 31,000 Square Feet Site Development
- \$724,500 Construction Costs
- \$900,000 Project Costs

#### Funding:

- State: - 0 -
- Bond Measure S: \$900,000

#### Schedule:

- Design: 12/2004
- Bid & Award: 03/2005
- Construction: 06/2005 - 03/2006
- Occupancy: 04/2006

#### Architect:

- Lauterbach & Associates



Former M&O storage area and site of new Warehouse building



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Spencer/Hoskins associates Architects & Planners

### 6. Library Renovation

The new Library Learning Resource Building houses all library functions and independent learning facilities. The vacated space in the former Library will be renovated into 10 new classrooms, providing classrooms surge space until the new Academic Center is completed.

At the completion of the Academic Center, some classrooms will remain in use and the remainder will house student services programs. The renovation of this building has been designed to allow flexibility and accommodate both classroom and office uses.

The existing open stack area will be remodeled to serve as the college welcome center and will be equipped with movable workstations, computers and low partitions to conserve the open character of the space and to continue to take advantage of the natural light and make efficient use of the central staircase.

Additional improvements include new paint throughout, new floor and wall finishes, improved entries and more glazing throughout the perimeter of the building. The northern end of the first floor will be re-designed to provide a connection to the campus entrance and Fountain Plaza.

In August 2005, the Department of State Architecture approved the plans for this renovation including the necessary structural repairs.

#### Project Budgets:

- 40,079 Gross Square Feet
- 14,551 Net Square Feet
- 0 Square Feet Site Development
- \$4.48 Million Construction Costs
- \$6.96 Million Project Costs

#### Funding:

- State: \$2.96 Million
- Bond Measure S: \$4.00 Million

#### Schedule:

- Design: 04/2004 - 04/2005
- Bid & Award: 01/2006 - 04/2006
- Construction: 04/2006 - 05/2007
- Occupancy 08/2007

#### Architect:

- Carde Ten



South entrance former Library building



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**7. Academic Center**

The Academic Center will bridge the existing northern campus with the new southern development and the physical education facilities. The multi-story building will be located along the sloped area south of the existing Applied Arts building, and will be accessible at various levels through the use of internal elevators and stairs. It will provide 34 new classrooms replacing most portable classrooms and provide 26 faculty offices. All classrooms will be equipped with central computers and multimedia access, projectors and projection screens.



East lawn area west of parking lot F and classroom trailers



Academic Center Architectural Rendering

**Project Budgets:**

- 41,139 Building Gross Square Feet
- 22,497 Building Net Square Feet
- 54,000 Square Feet Site Development
- \$22.5 Million Construction Costs
- \$32.0 Million Project Costs

**Funding:**

- State: \$-0- Million
- Bond Measure S: \$30.8 Million

**Schedule:**

- Design 06/2006
- Bid & Award 12/2006
- Construction 02/2007 - 07/2008
- Occupancy 08/2008

**Architect:**

- Gensler Architects



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### 8. Physical Education Renovation

The indoor Physical Education facilities have not been renovated since the original construction of the college in 1967, rendering the existing locker rooms and laboratory instructional facilities overcrowded, inadequate, and non-ADA compliant.

This project includes the renovation of the existing gymnasium and locker room facilities. The relocation of various dedicated spaces within the building will improve the instructional laboratories for aerobics and fitness.

The first phase of this project includes replacing all bleachers in the main gymnasium. This phase will be completed in 2006.



Exterior of existing locker room facilities and roof plaza



Gym interior - New Bleachers being installed

**Project Budget:**

- \$3.2 Million Construction Costs
- \$4.5 Million Project Costs

**Schedule:**

- Design: 05/2005 - 02/2006
- Bid & Award: 08/2006 - 11/2006
- Construction: 12/2006 - 01/2007
- Occupancy TBD

**Architect:**

- Albert & Rachlin



Existing Locker Room Facility



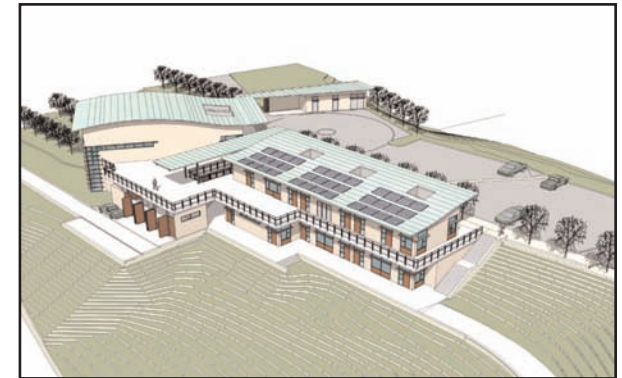
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**9. Exotic Animal Training & Management (EATM) Facility**

This EATM facility will provide space for instruction in Animal Science, Exotic Animal Training and Management, and Astronomy. It will also provide a public entrance into America's Teaching Zoo. Three large lecture classrooms, including a 150-seat multi-purpose digital theater, will replace the existing temporary classrooms, laboratories and offices. The new facility includes a dedicated Veterinary Animal Science laboratory and instructional support areas consisting of faculty offices, a division office, lobby, and work-room. The lobby will be accessible from the existing parking lots and will provide a formal entry into the Zoo for the public.



EATM Faculty Offices Trailer



EATM Architectural Rendering

**Project Budgets:**

- 13,000 Gross Square Feet
- 48,000 Square Feet Site Development
- \$8.5 Million Construction Costs
- \$11.2 Million Project Costs

**Funding:**

- State: - 0 -
- Bond Measure S: \$11.2 Million

**Schedule:**

- Programming/Planning: 12/2002 - 10/2003
- Design: 05/2004 - 06/2006
- Bid & Award 01/2007 - 04/2007
- Construction: 05/2007 - 08/2008
- Occupancy: 08/2008

**Architect:**

- Steven Erlich Architects



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### 10. Health Sciences Building

This building will complete the science complex surrounding a central green lawn in the upper northeast area of campus. The building will augment the current life science, biotechnology and health science laboratories and replace the existing 30-year old temporary classrooms.

The Health Sciences building will combine various health-oriented programs in one building to facilitate future research while using the latest network and laboratory equipment. This project has potential for state funding; an Initial Project Proposal (IPP) and Final Project Proposal (FPP) have been submitted and funding is awaiting the approval of a state bond in 2006.

The building is positioned to form a science complex as the third link in a chain with two other science buildings: the Physical Sciences Building and the Life Sciences, Mathematics, and Computer Studies building. This location requires 24 parking stalls to be removed and parking lots 'S' and 'CC' to be remodeled.

**Project Funding:**

- 38,546 Gross Square Feet
- 23,775 Net Square Feet
- 52,000 Square Feet Site Development
- \$22.0 Million Construction Costs
- \$28.0 Million Project Costs

**Funding:**

- State: \$10.36 Million
- Bond Measure S: \$17.64 Million

**Schedule:**

- FPP has been completed and approved.

**Architect:**

- Perkins & Will



Parking Lot S will be modified to provide space for the Health Sciences Building



Existing Health Science portables



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### 11. Conejo Valley Center

A Conejo Valley Center has been discussed for a number of years as a way to provide access to more students in the city of Thousand Oaks and neighboring communities.

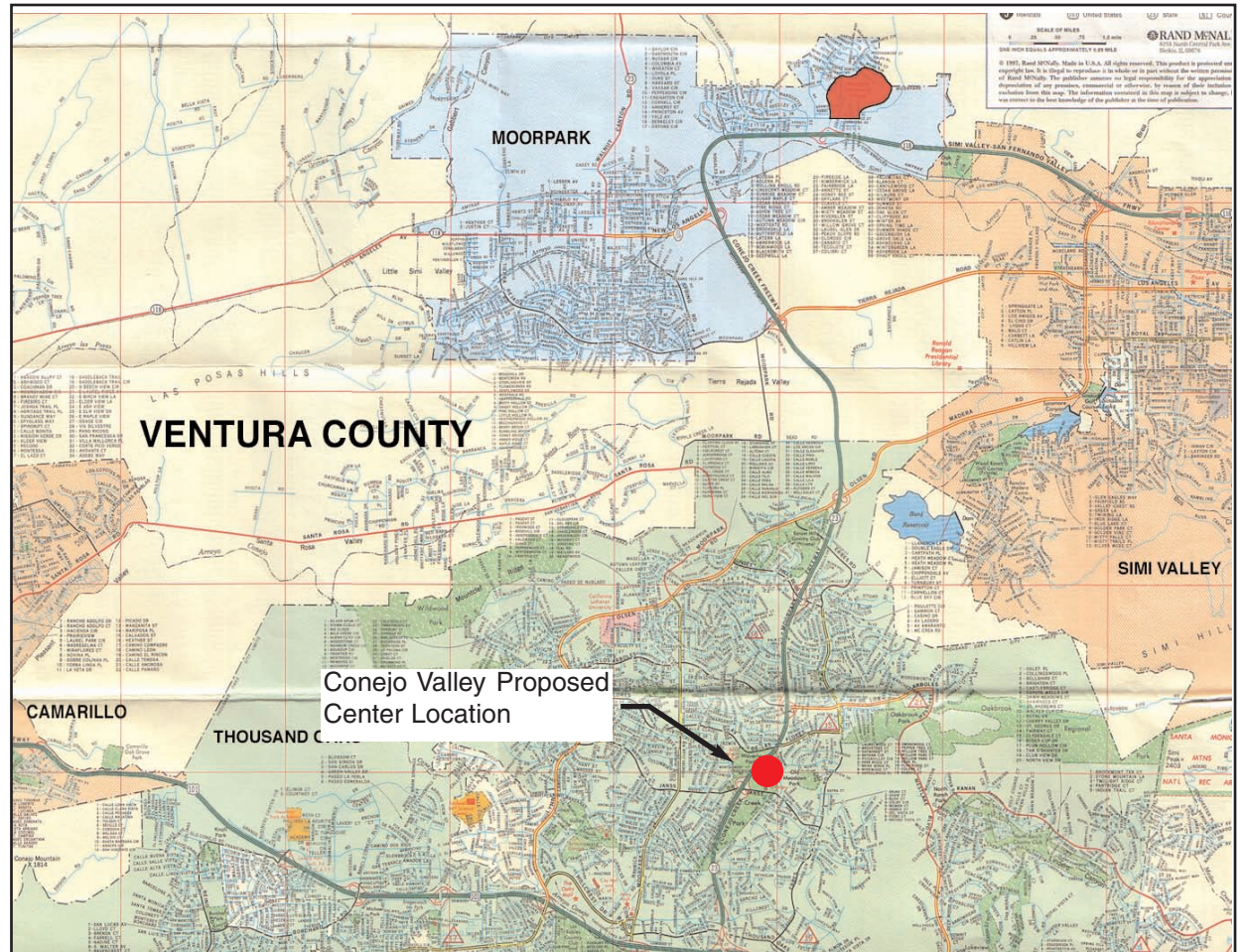
One proposed site is on Conejo Valley Unified School District land located at Janss Road and the 23 Freeway. Such a center would establish a stronger college presence in Conejo Valley and would reinforce the college's current partnerships with the Conejo Valley Unified School District.



Near intersection of 101 and 23 freeways at Thousand Oaks

#### Project Budget:

- Future Project: TBD



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### 12. Arts Complex and Communications Building Remodel

The Arts Complex will provide six new art studios to replace the existing outdated/substandard studios currently located in the Technology Building. In addition, the complex will also provide new spaces for ceramic kilns and sculpture, two large smart-classrooms, an additional 200 seat music recital hall, a second dance studio, faculty offices and a Gallery.

This project will consolidate the arts programs along the western edge of the campus. This relationship will allow better accessibility to the public and establish a stronger relationship among the various art disciplines.

The renovation to the Communications building will address deficiencies throughout the building and improve the layout of spaces for the existing programs. It will include more storage space and remodel the exterior entrances and accessibility.



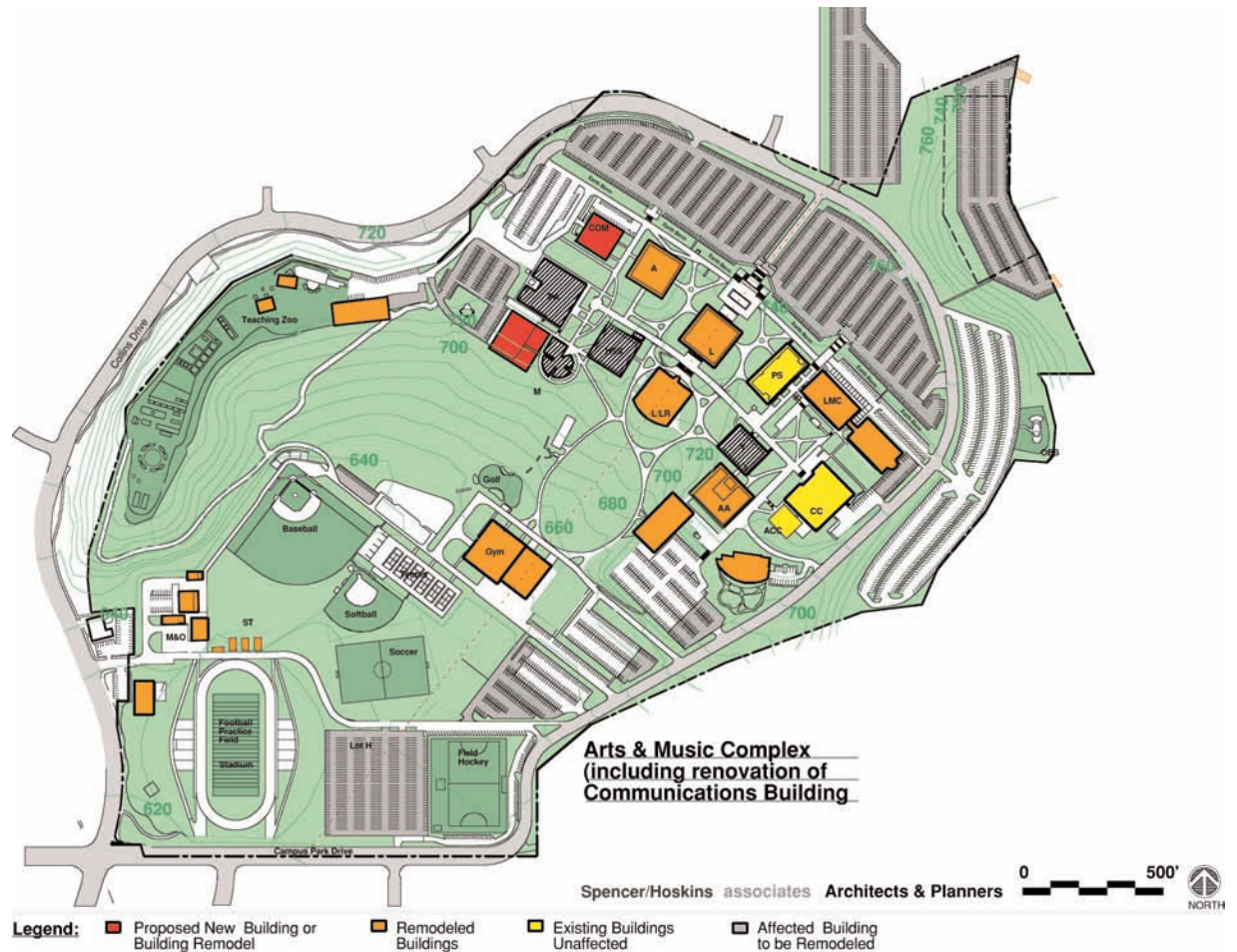
Lawn west of the existing Music Building



Existing ceramics lab

#### Project Budget & Scope:

- Future Project: TBD



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Dark existing art and design labs inside the Technology building



West entrance of the Communications building



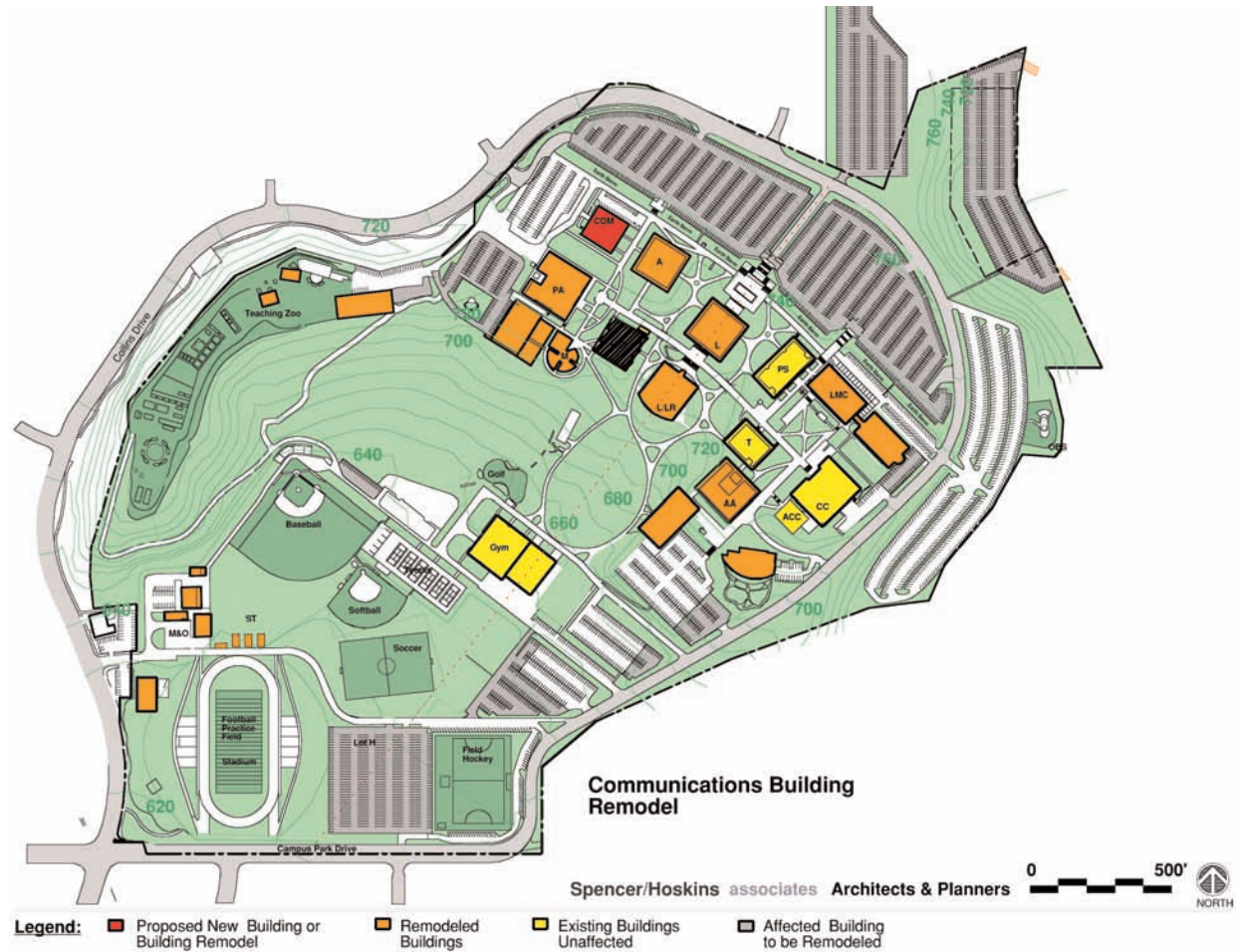
Graphics lab inside the Communications building



Existing gated ceramics kiln areas located between the Technology & AA Buildings to be relocated to the new Arts Complex



Northeast corner entrance to the Music building



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**13. Secondary Effects: Applied Arts**

When the Child Development Center moves into its new building, it will vacate approximately 4,139 assignable square feet of space in the Applied Arts Building. This space is currently projected to be remodeled for art classrooms.

**Project Budget & Scope:**

- Future Project: TBD



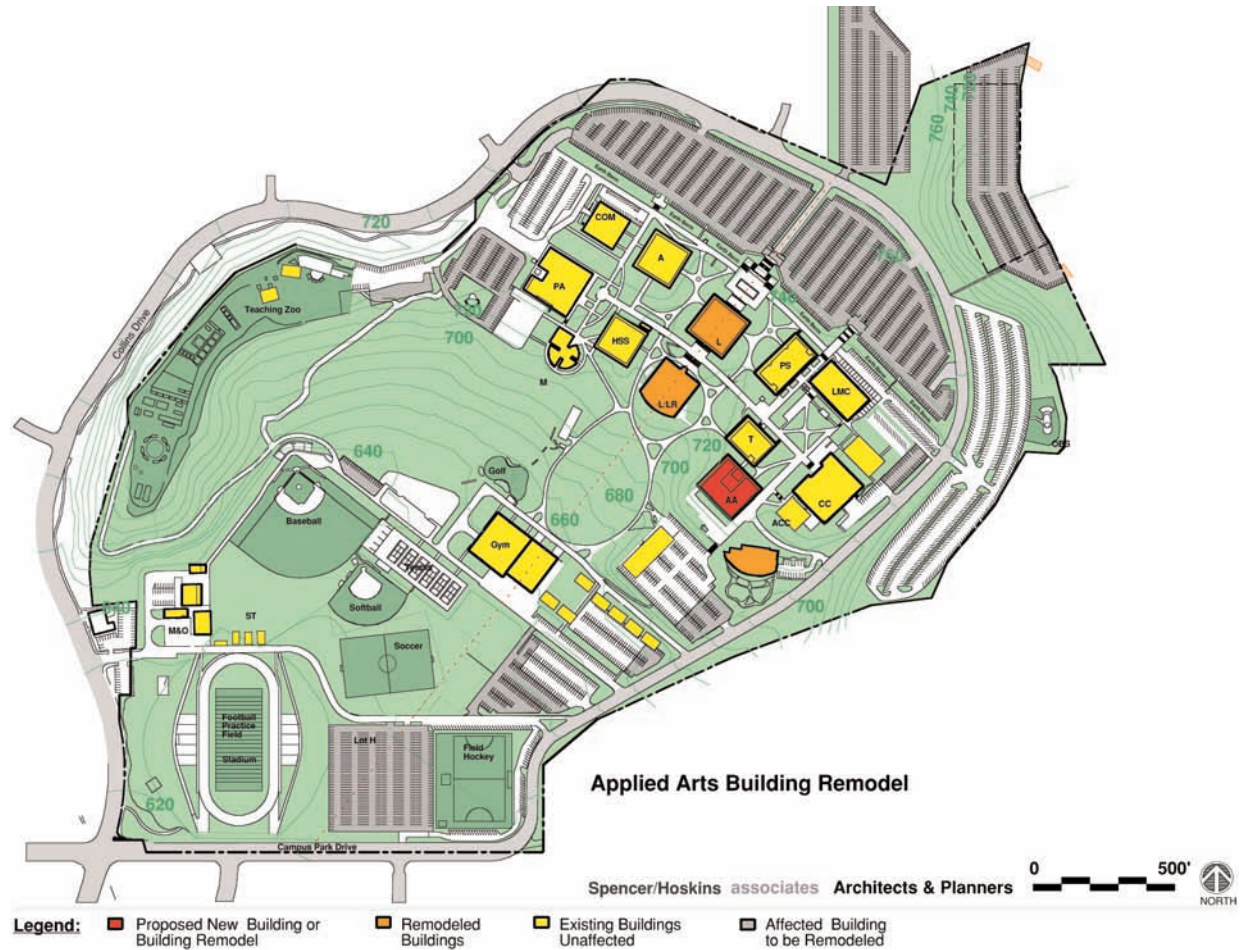
Typical Classroom in the AA Building



Existing CDC children's playground



AA Computer Lab



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### 14. Technology Building Modernization

The Technology building is one of the original seven buildings built at the time the college opened its doors in 1967, and this building has become very dated and inadequate to carry on the level of instruction in today's "smart classroom" environment. There are deficiencies in building systems (HVAC, electrical, etc), room lighting and dated or inadequate space configurations in the existing building.

A proposal is currently being considered to relocate some of the current instructional programs from this building to the AA building when space becomes available due to the relocation of the Child Development program into their new facility. This will create an opportunity to modernize the Technology building to more effectively utilize this valuable classroom/lab space that is currently under-utilized and inefficient.

This project has potential for state funding: an Initial Project Proposal (IPP) was submitted in 2004 and a Final Project Proposal will be submitted in 2006. A high project score by the state Chancellor's office would result in eligibility for funding during the 2008-09 academic year. The IPP estimated a total budget for this project at \$5.25M. A refined budget would be developed after the FPP is finalized and the scope of the project is adopted by the college.

**Project Budget & Scope:**  
 - Future Project: TBD - Proposed State



T Building east facade



Existing ceramics lab storage inside the existing 'T' Building





### 15. Student Center (Union) Remodel and Expand

In March of 2000 the Associated Student Government and student body held a special election to assess a Student Center fee, which will help fund this project. This building was constructed in 1967, one of the original on campus.

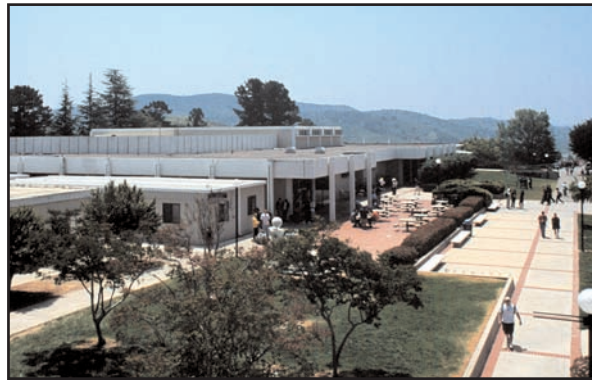
The purpose of this project is to modernize and expand the student life facilities within the building. These include improvements and expansion of the extracurricular spaces, food facilities, lounge areas, meeting rooms and the bookstore to accommodate the increase in student enrollment.

The renovations will include wall, ceiling and floor finishes, lighting, doors, furniture and space planning and improvements. Exterior dining areas and barbecue area will also be improved.

The Campus Center will be renamed the Student Union to reflect the use of this facility.

**Project Budget & Scope:**

- Future Project: TBD



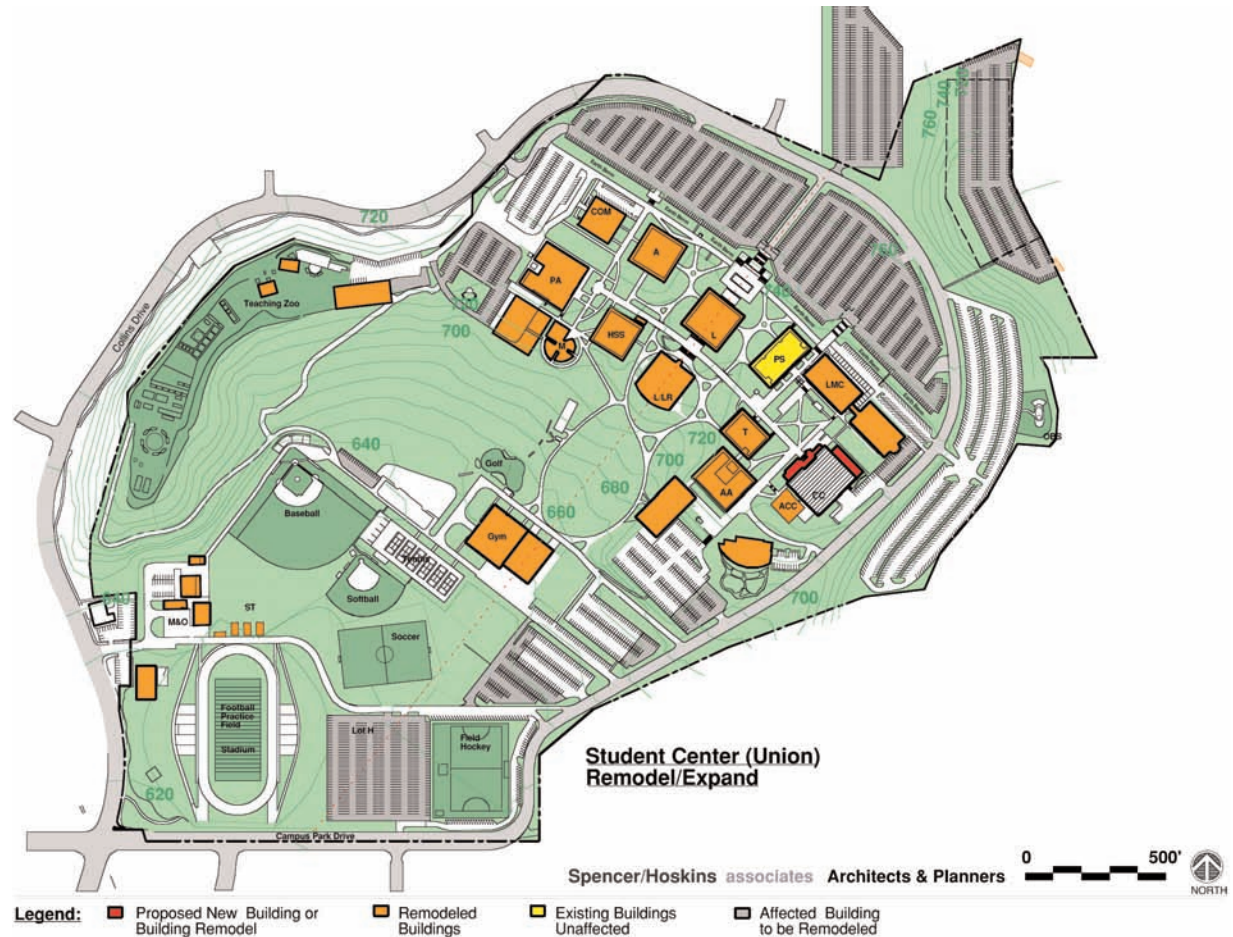
Campus Center and seating plaza



Campus Center dining area during a job fair event



Current Dining Room



- Your Future Begins Here -

### 16. Simi Valley Center

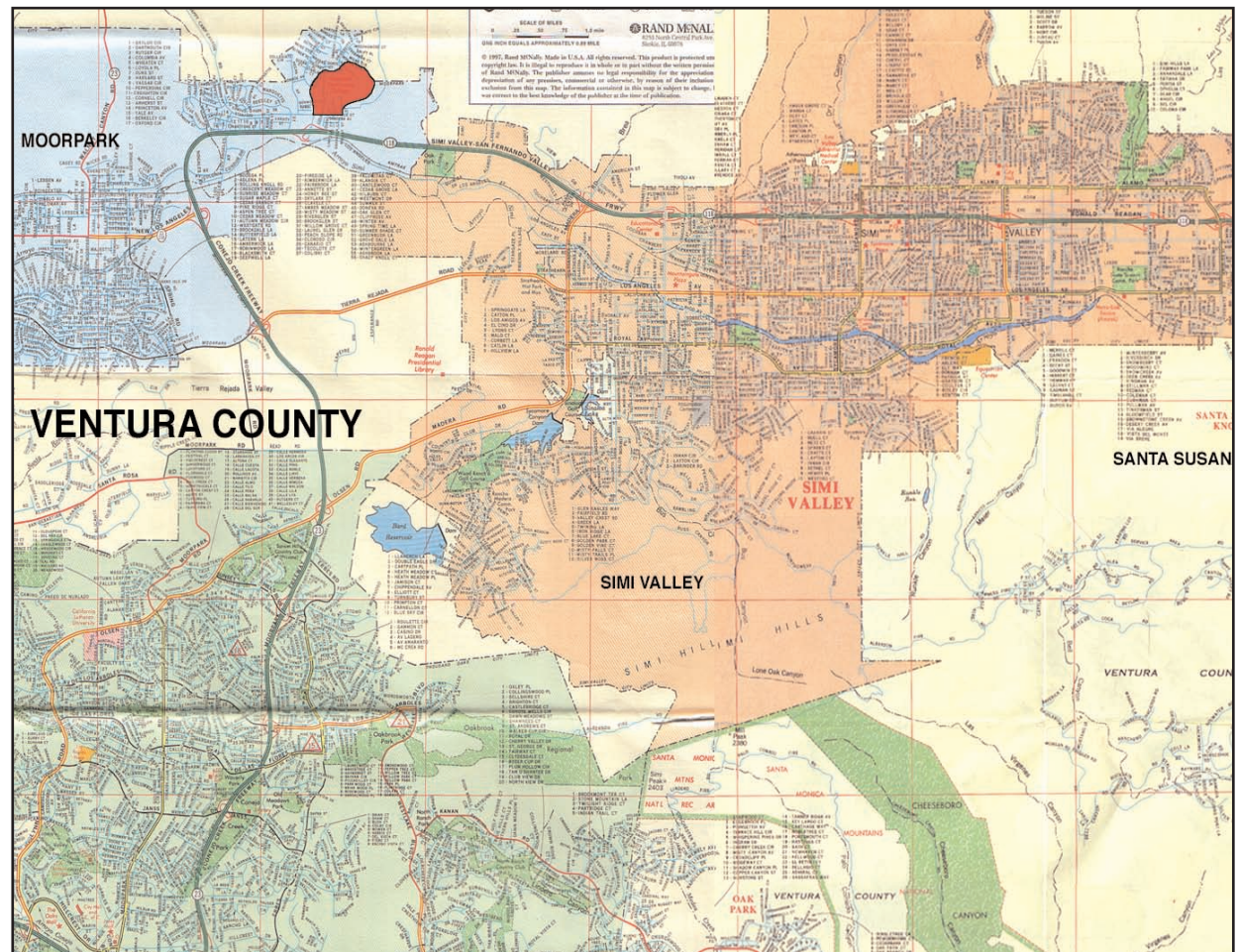
The college is continuing to explore the possibility of locating an off-campus center in Simi Valley. It is not anticipated that this development will occur soon, since land has not been identified for the purpose and bond funds may not be used for land acquisition.

#### Project Budget & Scope:

- Future Project: no budget available



118 Freeway, Simi Valley



- Your Future Begins Here -

## 17. Infrastructure Update Projects

Since the construction of the Moorpark College campus in 1956-66, no significant infrastructure upgrades have been performed. As a result of the facility enhancements proposed in this Master Plan, a series of infrastructure evaluation studies were undertaken in 2004 and the recommendations from those evaluations are contained in a supplementary document entitled "2004 Infrastructure Recommendations".

These recommendations clearly indicate that the original estimate of infrastructure improvements necessary to carry out this Facilities Master Plan were significantly underestimated. In 2001-2002, infrastructure improvements were anticipated to cost approximately \$1,500,000. As a result of the in-depth infrastructure review conducted in 2004, a series of new recommendations have been developed and are now being incorporated into this plan to include updated projected costs for each infrastructure improvement area.

### Electrical:

The existing campus electrical system will have been in service thirty-nine years when our latest project, the Child Development Center (CDC) comes on line in the summer of 2006, and has provided the College with electrical power many years longer than the projected life of the equipment. The addition of the CDC will exhaust the capacity of the existing electrical systems to provide electrical power for any future buildings on the Moorpark campus. The electrical system upgrades, which are slated to begin in the spring of 2006, include the construction of a new Southern California Edison unit substation with increased capacity high voltage transformers and switches, new unit substations and switchgear housed within existing buildings or within three new out-buildings dedicated for utilities, where space in existing buildings did not allow for a code compliant installation.

The new electrical system will be looped, providing the means to keep campus facilities powered up, should a portion of the system require service. The new system incorporates the use of existing electrical conduit where practical, and provides new conduit where necessary to expand the system. New copper conductors shall be used throughout, replacing the aged and inferior aluminum. The existing inadequate emergency generator located in the Administration Building will be replaced by an appropriately sized unit. The older generator will be reused to provide emergency lighting power in the gymnasium.

### Sewer/Storm Drain/Gas/Water: (piped utilities)

The existing campus sanitary sewer system has survived the ravages of time fairly well, with only relatively small portions of the original clay piping requiring replacement due to subsurface settlement.

The existing campus storm drain system requires localized minor repairs due primarily to subsurface settling and damage caused by roots. The system requires expansion to channel run-off from areas developed after the original construction, particularly in the western and central portions of the campus. A centrifugal filter system is planned to ensure that storm run-off entering the flood control channel meets current and future State and Federal clean water criteria.

The existing fuel gas system on the Moorpark campus suffers from leaks throughout the underground piping. The original welded steel pipe has succumbed to rust in the forty plus years it has been buried. The newer polyvinylchloride (PVC) gas piping does not meet current codes and leaks from the glued joints and fittings dissolved by natural gas. Plans are under development in which new code

compliant gas lines will be installed utilizing cost saving construction techniques, such as pipe splitting, direct insertion methods; thus ensuring a minimum of needed excavation for replacement.

Waterlines are owned and maintained in right-of-ways granted by the District to the Ventura County Public Works Agency Water and Sanitation Division. As new projects are developed, adjustments of and additions to the existing water service on and near the campus are made, as required, to serve the new facilities.

### Telephone/Data:

The telephone/data infrastructure improvements on the Moorpark College campus are to be performed in concert with a District wide upgrade in the communications system. This improvement is scheduled to be completed during the Spring 2006 term. On this campus the work includes installation of a new PBX, battery back-up system, new desk sets campus wide, and replacing outdated systems. Necessary improvements to the existing facility where the PBX equipment is located are included in this project.

### Project Budgets:

- Total Budget: \$14.1 Million
- Telephone/Data: \$1.5 Million
- Electrical: \$6.8 Million
- Sewer/Storm Drainage/Gas: \$2.4 Million
- Replace Campus Site Finishes: \$1.5 Million

### Funding:

- State: \$-0- Million
- Bond Measure S: \$14.1 Million

### Schedule:

- TBD

## 18. Landscape and Irrigation

The college's landscaping and irrigation systems are to be restored and upgraded in conjunction with the various construction projects on campus. The landscape contractor for each construction project shall be responsible for all on-going plant maintenance of the existing landscape within the phased scope of work boundaries, as well as any job related "construction staging area(s)".

### Landscape:

To maintain the quality of open space throughout the campus, the consulting landscape architect has developed a Landscape Upgrade Zone plan that will be utilized as a guide to all future landscape improvements. New pest resistant plant selections proven to flourish in the campus' arid micro climate are to be integrated with existing old growth trees to create an inviting pastoral setting that enhances the campus architecture and serves to frame the magnificent campus views.

### Irrigation:

The existing irrigation system has been upgraded numerous times throughout the development of the campus. The result is a fragmented system that presents difficulties for the maintenance personnel and creates inconsistencies with the equipment and controllers. The consulting landscape architect has developed an Irrigation Upgrade Zone plan that will manage determined areas. Non-functioning and inefficient irrigation controllers are being replaced with state of the art internet based software and electronic controls which regulate watering in concert with current weather information and leak monitoring technology in order to conserve precious water resources.

### Schedule:

- TBD



Landscaped area between Music building and HSS building

## LANDSCAPE UPGRADES



The Moorpark College campus was developed as an open campus, to embrace the local climate, the views of the valley and the integration of the landscape with the buildings. To maintain the quality of open spaces throughout the campus, the plan on page 24 provides various landscape improvements to be implemented throughout the different phases of development.

**A:** Improve signage and planting at all major entries and intersections. Upgrade parking lot landscape and provide more evergreen trees for parking lot shade.

**B:** Provide for student breakout areas with tables and possible exterior wireless lap top connections. Create private small open spaces for outdoor music practices and larger open spaces for student interaction.

Vary areas for sun exposure throughout different times of the year. Provide viewing areas with adequate flowering accent trees, benches, and exterior lighting. Design exterior space for possible future outdoor concerts.

**C:** Provide landscape backdrop planting for transition into the zoo. The new EATM Building shall be landscaped with larger trees to mark an important entrance point. All landscape damaged through the construction phasing shall be restored along with the appropriate irrigation upgrades.

**D:** Enhance the campus loop road and create a Boulevard-like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**E:** Provide more deciduous trees at the entry for winter sun and summer shade. Provide continuous planting along sidewalk and more small seating areas in between buildings.

**F:** Maintain the open campus feel upon the completion of the Library Remodel. Reinstall adjacent turf and planting areas, restore pedestrian walkways, provide additional planting at the base of the building. The goal of this area is to maintain the visual connection when entering from the northern/upper parking lots into the campus. Update the campus key plans and provide additional ones at new campus entry points.

**G:** Maintain the open plaza turf space for major student events. Provide adequate seating areas with tables and benches. Create small private student study spaces between the existing buildings.

Provide landscape at the perimeter of the Health Science Building and create an accessible entry with planting. Provide trees at the northwest and southeast corners to mark the entries into the center of the campus.

**H:** Provide seating areas under building over-head and additional outside student study areas. Provide handicap access to all seating and gathering areas and maintain the open vista to the lower campus.

**I:** The CDC Building project shall include the adjacent access road as well as the nearby slope south of the Student Center damaged during the course of construction. Provide outdoor tables and seating spaces for students, instructors and parents.

**J:** Upon completion of the construction phasing the central active open turf zone shall be restored to its original state with the future potential to provide an exterior handicap access by exploring the possibilities of terracing the site. The adjacent turf areas could be sculpted from a maximum of a 3:1 slope to a flat playing surface between the 5% handicap walks.

**K:** Provide outdoor seating spaces adjacent to the Gym. Provide a tree-lined pedestrian walkway to connect the Gym with the Field Hockey, Football Field, Lot H, Lot G-2 and PE playfields and tennis courts. The walkway should provide adequate lighting and seating areas

**L:** Provide shade trees and perimeter planting for the future parking lots. Provide adequate lighting for all future parking lots and parking expansions.



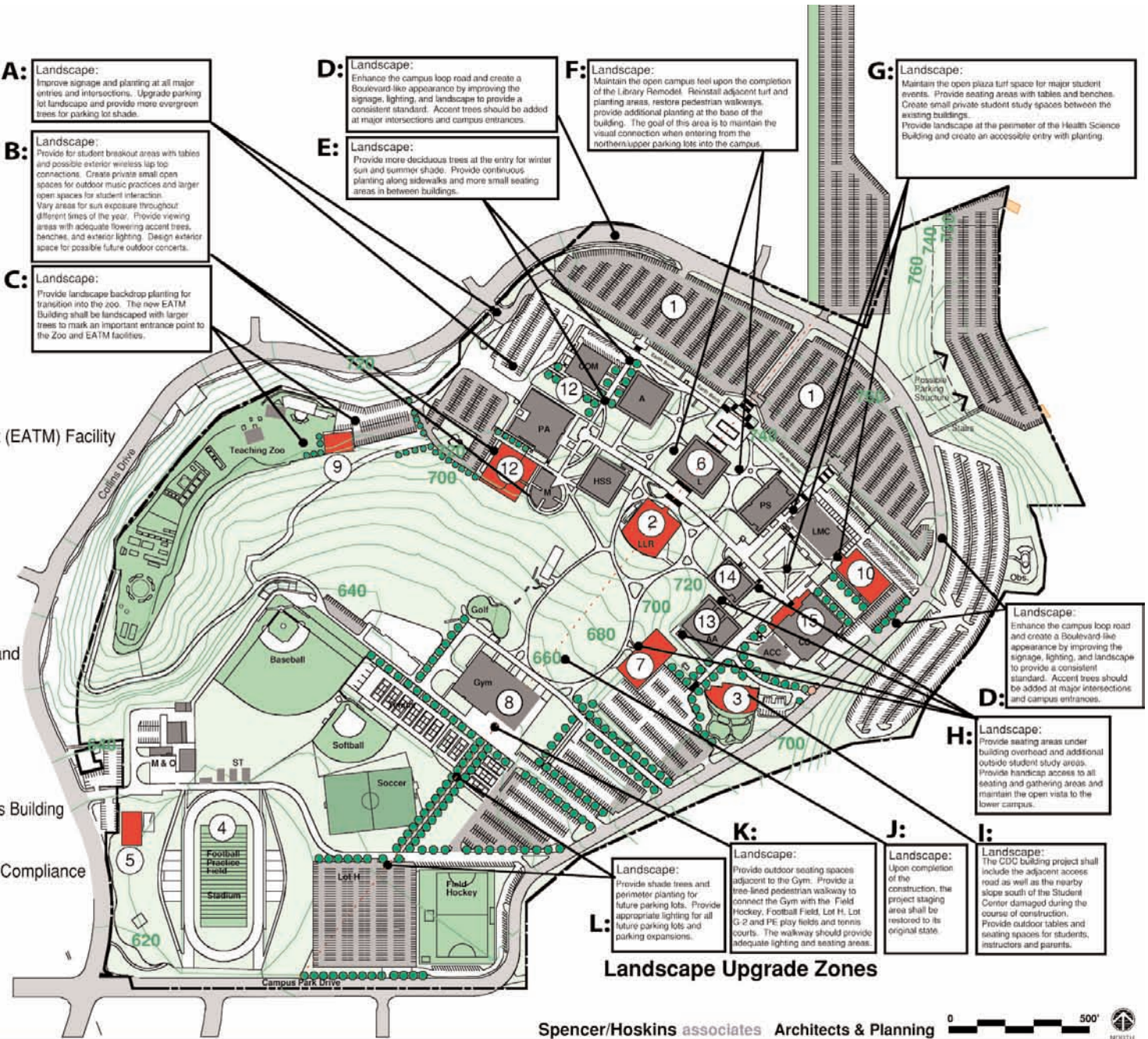
Central Walkway Landscape & Buildings



**Moorpark College  
2005- 2015 Facilities  
Master Plan  
19,000 Student Campus**

**Bond Projects**

1. Parking Lots A, AA, B, C, D, E
2. Library/Learning Resources Building
3. Child Development Center
4. Track & Field Improvements
5. Warehouse
6. Library Renovation
7. Academic Center
8. Physical Education Renovation
9. Exotic Animal Training & Management (EATM) Facility
10. Health Sciences Complex
11. Conejo Valley Center
12. Arts Complex and Communications Building Remodel
13. Secondary Effects: Applied Arts
14. Technology Building Modernization
15. Student Center (Union) Remodel/Expand
16. Simi Valley Center
17. Infrastructure Update Projects
18. Landscape and Irrigation
19. Parking Projects
20. Expansion of Library/Learning Resources Building
21. Remodel Campus Entrances
22. Retrofit Remaining Buildings for Code Compliance



**A:** Landscape: Improve signage and planting at all major entries and intersections. Upgrade parking lot landscape and provide more evergreen trees for parking lot shade.

**B:** Landscape: Provide for student breakout areas with tables and possible exterior wireless lap top connections. Create private small open spaces for outdoor music practices and larger open spaces for student interaction. Vary areas for sun exposure throughout different times of the year. Provide viewing areas with adequate flowering accent trees, benches, and exterior lighting. Design exterior space for possible future outdoor concerts.

**C:** Landscape: Provide landscape backdrop planting for transition into the zoo. The new EATM Building shall be landscaped with larger trees to mark an important entrance point to the Zoo and EATM facilities.

**D:** Landscape: Enhance the campus loop road and create a Boulevard-like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**E:** Landscape: Provide more deciduous trees at the entry for winter sun and summer shade. Provide continuous planting along sidewalks and more small seating areas in between buildings.

**F:** Landscape: Maintain the open campus feel upon the completion of the Library Remodel. Reinstall adjacent turf and planting areas, restore pedestrian walkways, provide additional planting at the base of the building. The goal of this area is to maintain the visual connection when entering from the northern upper parking lots into the campus.

**G:** Landscape: Maintain the open plaza turf space for major student events. Provide seating areas with tables and benches. Create small private student study spaces between the existing buildings. Provide landscape at the perimeter of the Health Science Building and create an accessible entry with planting.

**D:** Landscape: Enhance the campus loop road and create a Boulevard-like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**H:** Landscape: Provide seating areas under building overhead and additional outside student study areas. Provide handicap access to all seating and gathering areas and maintain the open vista to the lower campus.

**L:** Landscape: Provide shade trees and perimeter planting for future parking lots. Provide appropriate lighting for all future parking lots and parking expansions.

**K:** Landscape: Provide outdoor seating spaces adjacent to the Gym. Provide a tree-lined pedestrian walkway to connect the Gym with the Field Hockey, Football Field, Lot H, Lot G-2 and PE play fields, and tennis courts. The walkway should provide adequate lighting and seating areas.

**J:** Landscape: Upon completion of the construction, the project staging area shall be restored to its original state.

**I:** Landscape: The CDO building project shall include the adjacent access road as well as the nearby slope south of the Student Center damaged during the course of construction. Provide outdoor tables and seating spaces for students, instructors and parents.

**Landscape Upgrade Zones**

Spencer/Hoskins associates Architects & Planning

Legend:  Existing Buildings  Proposed Building Projects

0 500'

## IRRIGATION UPGRADES



The existing irrigation system has been upgraded numerous times throughout the development of the campus. The result is a fragmented system that presents difficulties for the maintenance personnel and creates inconsistencies with the equipment and controllers. The graphic proposal on the next page will provide various loops controlled by new, upgraded or existing controllers that will manage determined areas.

The implementation of this system could be phased into the development of each project, but it is urged that every project shall look at this over all plan to understand the overall intent and how it affects each individual project. There is additional information in the design guidelines document with more specific information for equipment, plant materials, phasing, design criteria and implementation.

- A:** Replace stand alone clock, and add new 48 station controller. Connect back to the M&O building. Add flow sensor and master valves.
- B:** Replace stand alone clock, and connect to new 48 station controller at the M&O building.
- C:** Stub water and wires for Zoo area off EATM
- D:** Replace existing stand alone clock, and add a 48 station clock
- E:** Add new flow sensor and master valve and connect to existing controller.

- F:** Add wire drops for future parking lot irrigation.
- G:** Enlarge mainline and backflow device. Add flow sensor and master valve connecting to music building clock.
- H:** Add wire to HSS Building
- I:** Split irrigation point of connection (2 back flows). Add flow sensors and master valves for both back flows, and existing controllers
- J:** Upsize proposed controller from 24 stations to accommodate adjacent existing valves
- K:** Replace stand-alone clock, and connect to new 48 station at CDC
- L:** Add flow sensor and master valve, and connect to existing controller
- M:** Upgrade existing clock with 48 station and connect to flow sensor and master valve
- N:** Connect valves to new 48 station controller at the CDC Building
- O:** Install new 48 station controller at CDC Building to replace the existing 12 station at the Student Center.
- P:** Replace existing stand-alone clocks and add single 48 station clock, and connect to flow sensor master valve
- Q:** Add phone line off Gym
- R:** Wire drops and landscape stub outs for frontage



Lawn along Campus Drive east.



Former Library building



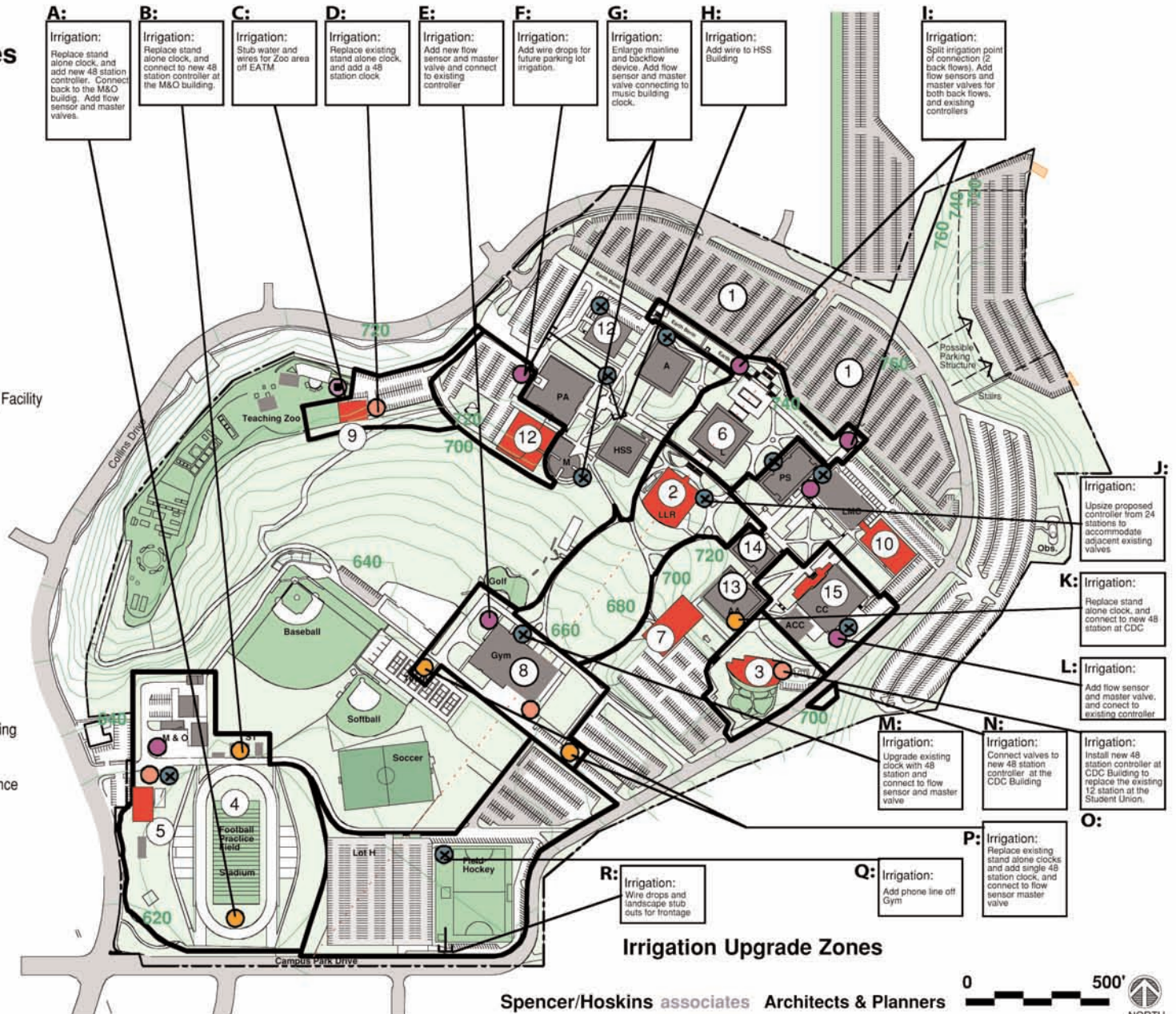
Courtyard by Technology building



**Moorpark College  
2005-2015 Facilities  
Master Plan  
19,000 Student Campus**

**Bond Projects**

1. Parking Lots A, AA, B, C, D, E
2. Library/Learning Resources Building
3. Child Development Center
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18. Landscape and Irrigation
19. Parking Projects
20. Expansion of Library/Learning Resources Building
21. Remodel Campus Entrances
22. Retrofit Remaining Buildings for Code Compliance



**Legend:** ● New Clocks (48 stations) ● Stand Alone Clocks ● Shut Off ● Back Flows ● RM-DX Rain Master Clocks ● Existing Buildings ● Proposed Building Projects



**19. Parking Projects**

Parking on campus will be increased by enlarging and remodeling existing parking as well as constructing new parking lots. Some parking areas will be influenced by future building projects.

As described earlier in this report, the renovation of parking lots A, AA, B, C, D and E added 592 parking stalls without increasing land use for parking. In addition, this renovation added emergency phones and replaced the lighting, irrigation system, and landscaping.

To accommodate 19,000 students the campus should provide approximately 4,600 parking stalls. This goal is based on a ratio of 4.15 students per stall. The following chart identifies potential projects to reach the goal of 4,600 parking stalls.



Overflow parking on the athletic fields on the south

**Parking Capacity**

Existing Stalls

LOT	STALLS
AA	355
A	428
Aux-"A"	263
B	432
C	369
CC	21
Child.Dev.	10
COMM	24
D	379
E	317
EATM	35
F	173
F/H (Aux)	42
G-1	87
G-2	117
G-Road	38
H	164
LMC	14
M	180
M&O	37
PA	166
"S"	104

TOTAL EXISTING \*3,755

*\* Includes 592 additional parking stalls following A, AA, B, C, D and E renovations ited in Project No. 1.*

Additional Stalls

Additional EATM parking	59 stalls
Additional Gym parking	20 stalls
Additional Lot H	240 stalls
Additional Lot G-2	88 stalls
Additional Lot G-1	37 stalls
Additional Lot F	15 stalls
Additional Aux Parking	402 stalls

Subtotal 861

Parking Loss at Lot CC&S -15 stalls

**Total 4600**

**20. Expansion of Library/Learning Resources Building**

Once the campus reaches 19,000 students, the L/LR building will be too small for the campus and will need to be increased by 50%. The state allowed the building to be sized for only 70% of the load generated by the campus size of the late 1990's, so it will be somewhat undersized even at the time of its opening in 2005.

The building was designed to allow for future expansion on the east and west sides.



L/LR West facade



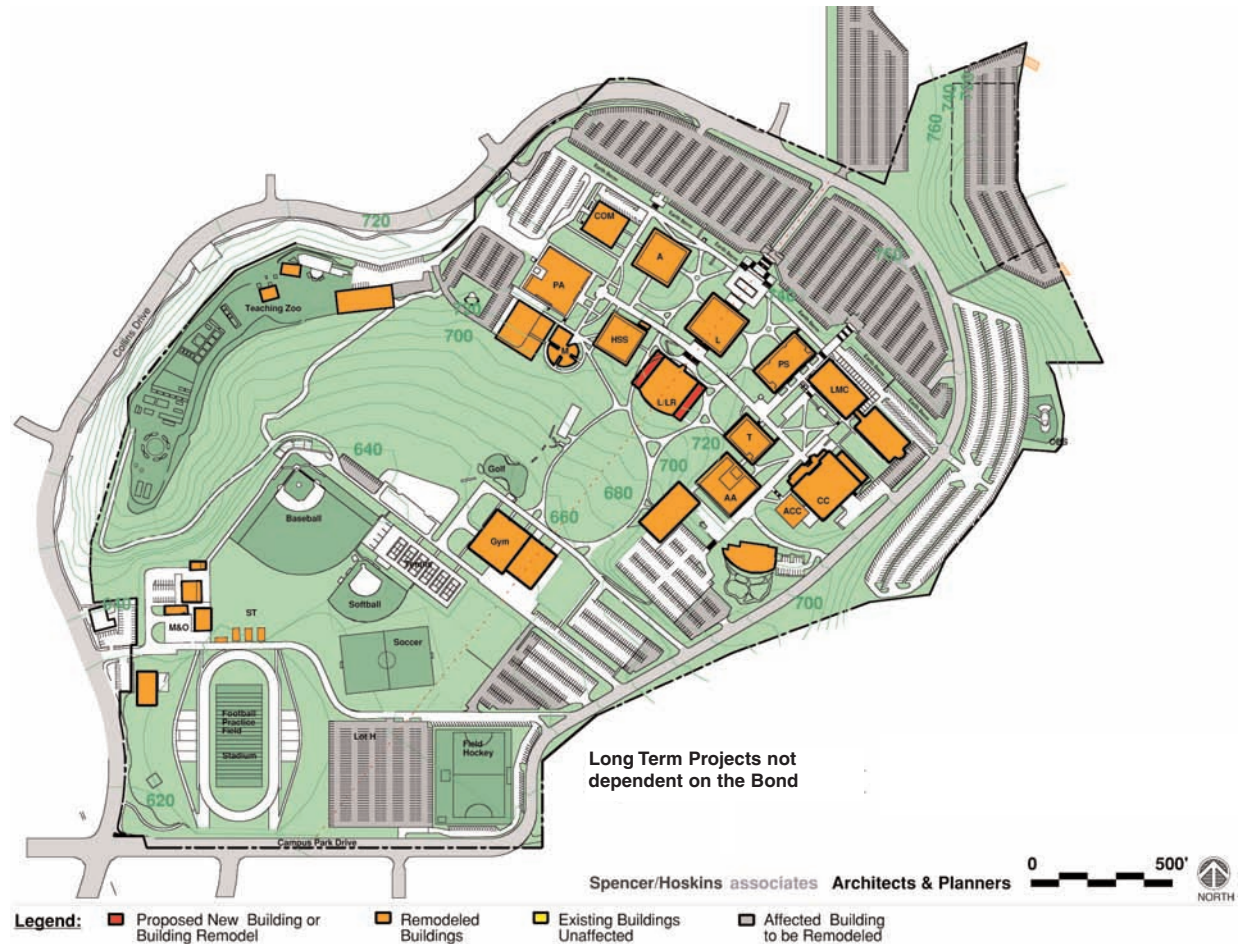
L/LR South facade

**Project Budget & Scope:**

- Future Project: TBD



L/LR third floor reading lounge



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**21. Remodel Campus Entrances**

Overall, the vehicular circulation of the campus allows for adequate circulation along the perimeter. Campus Park Drive and Collins Drive provide great access throughout the perimeter of the campus and into parking areas.

Aesthetically, the entrances should be landscaped to mark the entrance points into the campus and should stand out from the rest of the road. Additional trees, shrubs and flowering plants will help announce the entrance in to the college. At every entrance, in addition to providing directional information to visitors, there needs to be a welcoming sign for visitors.



Overflow signs direct students to overflow parking at peak periods



Various ramps and pedestrian accesses need to meet accessibility codes

**22. Retrofit Remaining Buildings for Code Compliance**

While most physical facilities are slated to be either replaced or remodeled, some remain useful just as they are. However, these remaining facilities still need some attention to extend their useful life.

This project will bring those buildings up to code and current standards of energy usage and interior finishes, so they remain the equal of the new facilities around them.



# Construction Staging Areas and Project Scope Zones

## CONSTRUCTION STAGING AREAS

The construction staging plan was developed to facilitate in the construction phasing and space planning of each project. Each project will require staging grounds, accessibility for deliveries, and storage for materials and parking space for construction crews. It is likely that at some point multiple projects could be under construction simultaneously. The college will need to accommodate for construction space and accessibility, while maintaining a safe environment for students and staff.

The plan to the right shows the planned building projects and the chosen construction staging areas. Where there is no adjacent open land available, the construction staging area will be in nearby parking lots.

The plan indicates project scope zones to demonstrate the area that will be affected during construction. This includes landscape, irrigation, roads, walkways, parking and physical education fields.



## CONSTRUCTION STAGING AREAS

### A: M&O Warehouse

The construction staging site will be located north and east of the planned building. The existing storage containers will be relocated and the existing permanent rounds building must remain in operation. At the completion of the construction, the staging zone could be use for M&O Parking.

### B: EATM Facility

The construction staging site will be located east and west of the building site. The eastern portion will have to be partially graded, but could be used for additional parking and to create pedestrian walkway to connect the EATM facility to the remainder of the campus.

### C: Arts Complex

The construction staging site will be located east of the building site on parking lot M and could take advantage of the EATM eastern construction site. Given the projected delay in constructing the Arts Complex, due to funding limitations, designating a new construction staging area may be necessary when this project receives funding.

### D: Communications Building Remodel

The construction-staging site for this project will be located on the lawn south of the building. The site has good access and will not take up any parking.

### E: Library Remodel

The construction staging site will be located on the lawn areas at the north, east and west perimeter of the building. Construction staging should stay clear of the stair and ramp access from parking lots A & B. Delivery vehicles will use the access road north of the Library and should be limited to that route.

### F: Health Sciences Building

The location of this project will require grading the existing earth mound between parking lot S and the existing Health Science trailers. The grading of this area will provide additional space south of the planned location, including parking lot CC. Parking lot S will be used, with the exception of the last two rows of parking and the fire access. The eastern staging area could be restored and connected to parking lot CC to provide additional parking, provide a connection with parking lot S and provide a formal entrance for the proposed building.

### G: Child Development Center

The construction-staging site will be located on Parking Lot F. The staging area should be located along the northern part of the parking lot to allow the remainder of the parking lot to remain in use. The staging area could take advantage of the playground area of the project during the initial stage of the project to minimize the disruption of parking on parking lot F.

### H: Academic Center

The construction staging area will be located at the southern part of the central lawn area. At the completion of the L/LR building, the upper portion of the central green area will be restored, and the southern half of the area will be reused for the Academic Center construction staging grounds. The site has great vehicular access and will cause fewer disruptions to the students and to campus parking.

### I: "H" Parking Lot Expansion

The construction-staging site will be located at the perimeter of the planned site. The existing lot H could be used for staging through the beginning of construction, to limit the disruption. If additional space is needed, the northern-field areas could be used during off season or vacation times.

### J : P.E. & Gym Upgrades

This project will also take advantage of the southern portion of the open central lawn area for its construction staging site. The site has great access and will not remove any parking.



L/LR construction staging area



Library Learning Resources Building

# 2005 Moorpark College Facilities Master Plan Design Guidelines

## EXECUTIVE SUMMARY

In 1962, the Ventura County Community College District Board of Trustees approved the construction of Moorpark College to better serve the developing populations in the southeast area of the district. Upon selection of the campus site in 1963, which was at the time a relatively rural farmland, a master plan was developed by the architectural firm Daniel, Mann, Johnson and Mendenhall (DMJM) and construction commenced soon after the passing of a 1965 State Bond.

Today, Moorpark College serves over 13,000 students from various cities throughout the county and the adjacent county. The campus environment could best be described as casual, diverse, vibrant and energized as a result of thoughtful planning, consistent architectural and landscape design. The campus offers a variety of spaces which reflect the diversity and character of the students, faculty and staff. With the approval of the Measure S Bond in 2002 by the citizens of the county, the college developed a list of new construction projects. Moorpark College was awarded \$104,239,503 and will add over 205,797 square feet of new construction and remodel to most of the existing buildings. The proposed projects included 8 new buildings, 5 building remodels, infrastructure upgrades and parking.

As the College embarked on a new era of development, design standards based on the college's tradition were established to secure a seamless transition between the existing campus and the planned future campus. It is critical that the college continue the traditional environment and architecture throughout the planned development. The College began the development of their facilities design guidelines when the Master and Facilities Plan was amended to reflect the Measure S Bond projects. These design guidelines are hereby appended to this Facilities Master Plan and are an internal part of this document.

The purpose of the design guidelines is to establish a policy regarding the physical design of future buildings and the definition of exterior spaces. The design guidelines provide background information and define the essential elements of building and campus design, such as scale, site design, style, building colors, building materials, signage and details for future design teams.



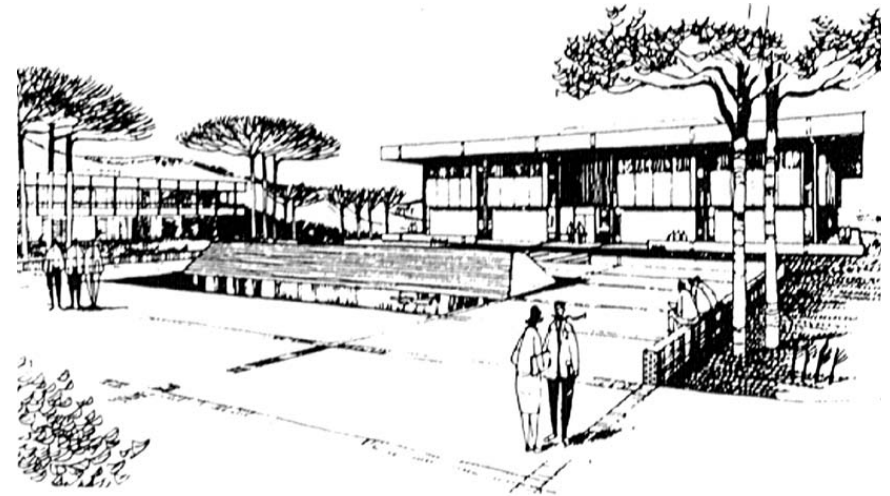
View from the Performing Arts building.

## BACKGROUND

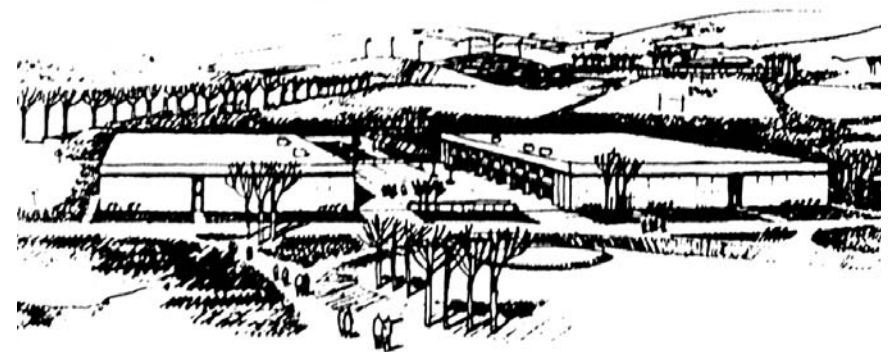
### The Original Master Plan:

The original 1963 facilities master plan was produced by the firm Daniel, Mann, Johnson, Mendenhall Architects (DMJM). The construction of over 39 buildings and over 485,733 square feet during the past four decades has established a standard of quality construction, defined a clear architectural aesthetic throughout the campus, and defined a positive learning environment. The four decades of development have continued to follow the original master plan, which has proved to be successful and consistent with the initial concept. The images to the right are an example of early renderings by the firm DMJM, were critical in updating the 2002 and 2004 Facilities Master Plan and maintaining a consistency with the ideas and spatial quality. Additional renderings, construction drawings and details, will be used throughout this document to provide additional historical references for future designers and planners.

The passing of the Measure 'S' Bond initiative has provided funds for Moorpark College to develop the campus to adequately serve an estimated 19,000 students by the year 2015. The architectural firm Spencer/Hoskins Associates amended the 2002 Facilities Master Plan to reflect the Measure 'S' projects defined by the Moorpark College Facilities Planning Steering Committee. The updated 2004 Facilities Master Plan determined the scope and program for each individual project. The design guidelines were written in conjunction with the master plan and will refer to the master plan document throughout.



Rendering from 1967 illustrates the formal fountain plaza with the two-story Library and the two-story Science building beyond by DMJM Architects.



Rendering from 1967 illustrates the two Gyms flanking the roof plaza by DMJM Architects..



## INTRODUCTION

The purpose of the design guidelines is to establish a policy regarding the physical design of buildings and definition of exterior spaces. With the guidance of the Moorpark College Facilities Planning Steering Committee, the Moorpark College Executive Committee and the Moorpark College Maintenance and Operations Director and supervisors, the following document provides a standard of excellence for future design and construction. This document provides background information and define essential elements of building and campus design, such as scale, site design, style, building colors, building materials, signage and details for future design teams.

The Moorpark College Facilities Planning Steering Committee developed twelve guiding principles for all future building design and planning.

### **Guiding Principles:**

1. The Master Plan 2002 drives the Facilities Master Plan. The Educational Master Plan is revised every three to five years based on program plans completed each year by each college program.

2. By utilizing inclusive processes for training, planning, and decision-making, we will create a knowledgeable and competent community better capable of implementing the Facilities Master Plan.

3. The College's park-like environment and open spaces will be preserved and protected whenever possible.

4. Safety and universal accessibility will be high priorities throughout the campus.

5. Planning and design will focus on flexibility, both pre- and post-construction, to accommodate future campus needs and potential changes.

6. Project design will address and balance environmental impacts both during the construction period and beyond.

7. Interdisciplinary and cross-functional spaces will be created where feasible, to enhance both the learning environment and opportunities for positive interaction among all segments of the college community.

8. Projects will be planned with state-of-the-art technology throughout and, to the extent possible, anticipate future technological advances.

9. Projects will be designed to consider and accommodate students' pathways through the college.

10. New buildings and additions will be designed for aesthetic unity and compatibility with existing buildings.

11. Capital, land, space, equipment, and human resources will be utilized for maximum effectiveness to serve students.

12. Interested members of the campus will participate in a job walk prior to approval of preliminary project plans to better ensure that all possible considerations have been reviewed.

## OBJECTIVES

The design guidelines will build upon the unique history and traditions established throughout the development of the College. This is inclusive of the building construction and the development of exterior spaces. It is imperative for all future development to create a seamless transition between the existing context and any new planned projects. Buildings should fit into the scale and articulation of the existing buildings, and open spaces should take advantage of the unique geography of the campus.

### Objectives

- All new buildings shall adhere to the planning principles, descriptions and locations described on the 2005-2015 Moorpark College Facilities Master Plan.
- All new buildings shall complement and be compatible with the historical aspects of the existing buildings throughout the campus.
- All new buildings shall fit into the overall composition of the campus and provide a visual unity throughout the campus.
- All new buildings shall adhere to the standards for color, materials and design elements as contained in this document developed by Moorpark College.
- All new buildings shall be designed and developed with the financial responsibility to reflect the budgets specified by the facilities master plan and as approved by the College Board and the Facilities Planning Steering Committee.
- All new projects shall reinforce the relationship between landscape and buildings.
- All building and landscape projects shall provide accessibility to the college.



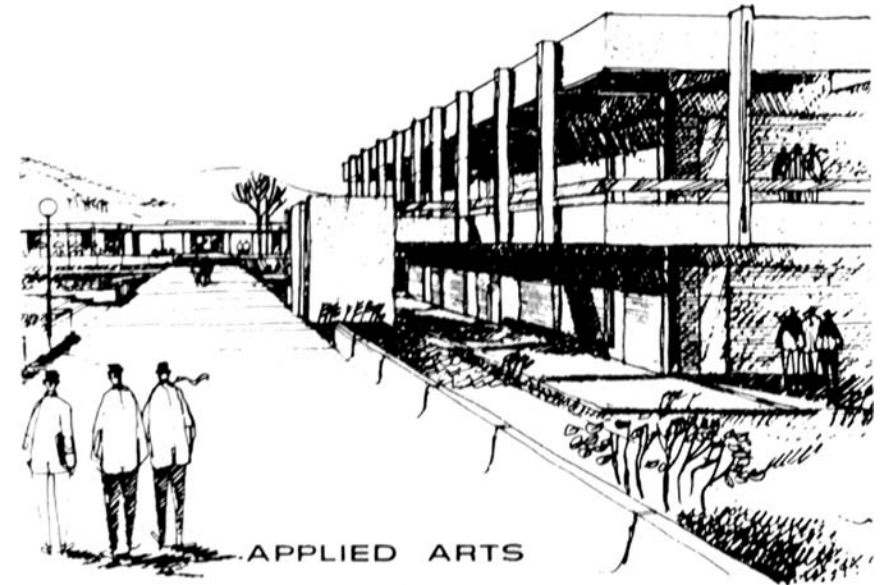
Southeast view of the LMC Building. The building was completed in 1999

- Central open areas shall be restored and where needed shall integrate approved planting, trees, exterior furnishing, lighting and signage.
- The diversity of open spaces for various functions will be re-enforced.
- View corridors along primary campus walkways, open spaces and entrances from parking lots will be maintained.

## CAMPUS HISTORY

Moorpark College was developed in the mid 1960's. In 1965, the city of Moorpark and the nearby cities of Thousand Oaks and Simi Valley were just beginning to develop. The College's original master plan provided sufficient capacity to account for the growth over the past 39 years. The first campus buildings were designed in various sizes according to their function, but remained consistent in design. The campus was planned along two primary axes. The first, north-south axis, provides a direct connection between the primary parking lots to the north (parking lots A, AA, B, and C) and the heart of the campus, where the former Library was located. The second, east-west axis, is more prominent in organizing the campus and connecting all the instructional buildings and the main campus quad. The east-west axis is anchored by the Student Center at the east end and by the addition to the Performing Arts Center in 1995 at the west end.

The campus architecture is contemporary for the time of its construction. There is strong emphasis on the horizontal through the use of long overhangs, ribbon windows, long covered exterior walkways and simple straight rooflines. The College has maintained a consistent and simple palette of materials and colors throughout the past four decades. The best quality of the campus is the successful relationship between the buildings and the surrounding landscape. The articulation of the buildings allow for a pleasant human scale, and the planning and location of the buildings provide access to a variety of exterior spaces and take advantage of the views.

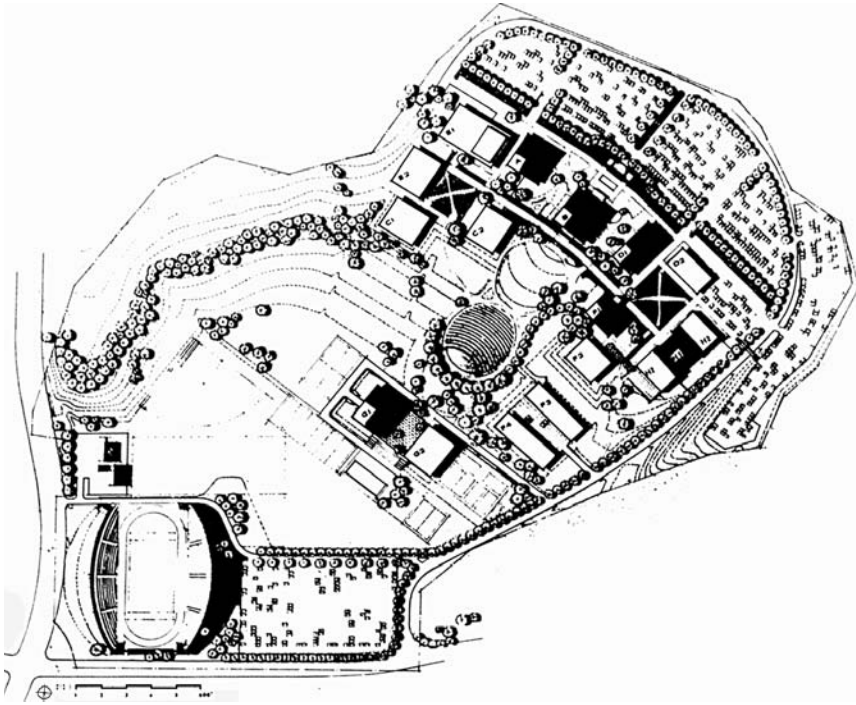


Rendering of Applied Arts Building by DMJM Architects.



Construction photograph showing the Student Center, the Technology building, the Physical Science building, the Library and the Administration building under construction.

EXISTING CAMPUS CONTEXT



Moorpark Master Plan, 1965. Rendered plan by Daniel, Mann, Johnson, Mendenhall Architects (DMJM)

### 1965 Moorpark College Facilities Master Plan Site Design

The original master plan was developed to respond to the topography of the site, taking advantage of the views and opportunities to engage the landscape with the buildings. Well-defined courtyards and open spaces, rows of trees and open spaces for student functions have provided a well balanced environment between the buildings and the open space. This concept has been effective throughout the past four decades and should continue to be the standard for all future site planning and building design.

### 2004 Moorpark College Facilities Master Plan Site Design

The 2004 Master Plan followed the same planning principles to maintain views, respond to the existing topography and provide an equilibrium between new buildings and their relationship to the exterior spaces. New buildings will be arranged to compliment the existing



Moorpark Master Plan, 2004. Rendered plan by Spencer/ Hoskins Associates  
2004 Moorpark College Master Architects

courtyards and define new ones. The master plan follows the original intent for the campus to extend to the south and east and provide better accessibility into the campus at different elevations and allowing the existing central open space to remain virtually untouched. Parking has become a key component in the balanced planning of the campus. Most new planned parking will be distributed throughout the perimeter of the campus, reducing the open green spaces originally planned along the south and east edges. The design of these perimeter parking lots should incorporate additional perimeter planting and trees to help soften the appearance as specified in the landscape section of this document. In addition, each building project should improve the landscape of adjacent open spaces and improve the irrigation system per the proposed irrigation improvement plan in the landscape section of this document.

## CAMPUS DESIGN ENVIRONMENT

The core of the campus was completed in 1967. In this first phase of development, seven new buildings were constructed including two instructional buildings, the Gym, the Administration building, the Student Center, the Library and the Maintenance complex. The Administration building and the Student Center were the only one-story buildings constructed at the center of campus. These two buildings established a very clear example of the campus architectural style, incorporating the 10-foot overhang design throughout the perimeter of the buildings, integrating a colonnade and handrail design along the perimeter and the use of pre-cast concrete panels throughout the eaves. The colonnade fins/columns and handrail curbs were also constructed from pre-cast concrete, which is consistent with the concrete encased structural frame throughout the exterior and interior of the buildings.

The Business Technology and the Physical Science Buildings were the only instructional buildings built during the first phase of development. The buildings were two-stories and like the Administration building, their structural components were concrete encased steel frame with brick infill, with liberal use of architectural and structural pre-cast concrete. The colonnade, overhangs and railing detail were raised to the second floor, providing shade and weather protection to the first floor.

The former Library was a two-story building designed with a steel structural frame, concrete encased columns and brick infill. The facades were designed with narrow horizontal and vertical windows to control horizontal lighting and emphasize the cantilevered pre-cast concrete panels projecting from the second floors. It was the tallest building on campus until the construction of the Performing Arts Center in 1995. It was also the only building to be constructed without exterior corridors. The former Library building was clearly designed to stand alone at the heart of the campus. The distinct facades, scale and location make this a special building to be used in designing new facilities on campus.



The Administration building was constructed in 1967 as part of the first stage of construction. The one story building is the clearest example of the campus architecture.



The former Library building was constructed in 1967 as part of the first stage of construction.

## CAMPUS CHARACTERISTICS

### Characteristics:

The original facilities master plan emphasized the integration of the buildings with the sloping site, taking advantage of the views and opportunities to define interesting exterior spaces. Over the various design and construction generations, buildings have been sited to utilize the site slopes to define seating spaces, landscape, ramps and entry steps.

All original buildings, with the exception of the former Library, concentrate their circulation on the outside by using 10-foot open corridors and colonnades at the perimeter and by locating the stair and elevator towers on the exterior. This allows classrooms to open directly to the exterior and provide shade and weather protection. Although the design does not meet current State Guidelines for efficiency, the exterior corridors have become a symbol of the campus architecture and environment.



The Administration building was constructed as part of the first phase of development in 1967.



LMC building.



The Business Technology building was one of the first two instructional use buildings developed as part of the first phase of development in 1967.

## CAMPUS DESIGN CRITERIA

All future design and construction should contribute to the overall planning of the campus and should reinforce the aesthetics of the campus. The existing buildings have been designed with the same geometry using similar materials, finishes, colors and details. Recent campus master plans have built on the original ideas to integrate open spaces with buildings, provide well-defined landscape features, create clusters of buildings and define courtyards and quads.

Design teams assigned to new building projects have a responsibility to maintain the College's design tradition, as well as to work closely with the College administration in integrating modern materials and construction methods that will improve the safety and efficiency of the College.

Design elements repeated throughout the campus shall continue to be included in the future design of the buildings. Covered walkways with columns, building colors, materials, landscape and site design should be incorporated into the design of future projects.



Building HSS Exterior Walkway. 1975 two-story instructional building.

## OPEN SPACE

Future building projects should incorporate the design of exterior spaces, not limited to the immediate perimeter of the building, but to upgrade the neighboring landscape zones and provide continuity between the existing open spaces. In addition, any buildings providing interior courtyards should provide approved planting and seating. Additional landscape improvement projects shall be included throughout the campus development to improve entries, primary pedestrian walkways, and parking lot areas.



Sloping central open lawn with integrated designed seating areas with benches and lighting

## Design Criteria

- Create a variety of open spaces to support different activities.
- Relate/ link new open spaces to existing ones.
- Provide appropriate furniture and lighting.
- Integrate design of ramps with stairs to provide the American Disabilities Act accessibility.
- Maintain consistency with other campus landscape materials, furniture, and lighting.
- Provide signage and wayfinding identifiers.



Moorpark College campus core from the 2004 Master Plan image



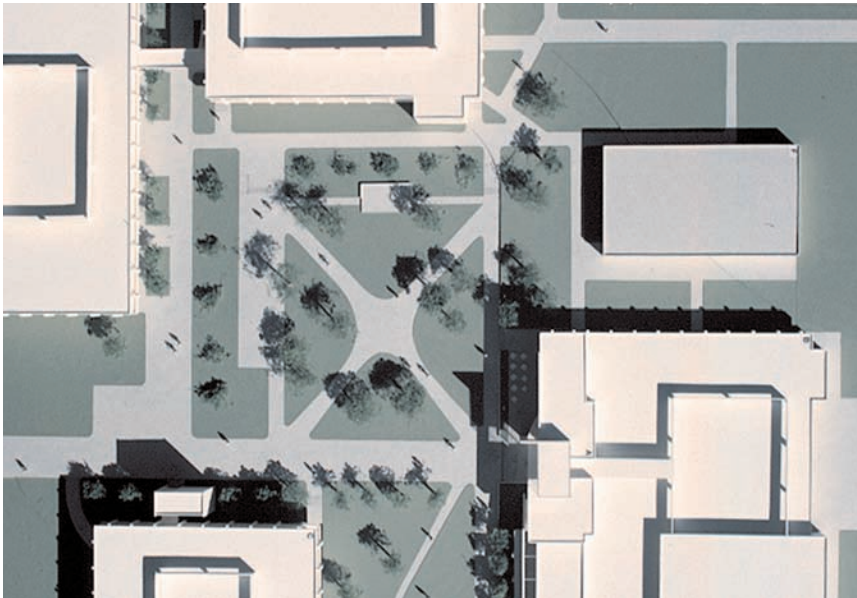
## EXTERIOR QUADS

The existing quad is defined by four permanent buildings and the Health Science, EOPS and Financial Aid portable buildings. The regular geometry, bisecting walkways and placement of trees makes it an inviting and kinetic space. The quad also connects to a variety of smaller open spaces and courtyards throughout its perimeter. The stage on the northern end of the space allows it to be utilized for major College events. The image below shows a study of the future development of the Health Science Center and the possible implementation of an additional courtyard connected to the central quad. The new courtyard design makes use of a similar geometric shape and provides a strong connection between the perimeter and the center of campus.

### Design Criteria

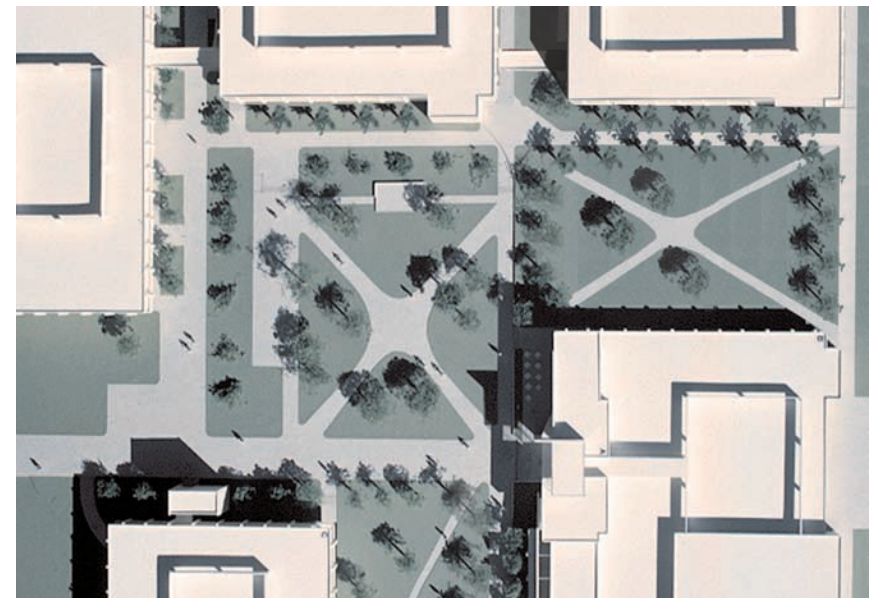
- Allow pathways within the large open spaces.
- Orient buildings towards the open courtyards
- Make open spaces accessible
- Respect the formal geometry of open spaces and building locations.
- Allow planting at the perimeter
- Provide green lawn spaces
- Provide shade trees

#### EXISTING QUAD



Existing Campus Core Quad

#### RECOMMENDED QUAD ADDITION



Suggested Campus Core Quad Addition/ Extension

## INTERIOR COURTYARDS

The Humanities and Social Sciences Building (HSS) and the Applied Arts Building (AA), two of the first instructional buildings, are two prime examples of early courtyard buildings to take advantage of the local climate. The HSS building is a two story structure, with the courtyard on the second floor. This courtyard provides a smaller and more intimate space for students to gather or study and provides natural lighting to the offices and classrooms on the second floor. The courtyard, while successful in many aspects, lacks landscape and hardscape definition to soften its appearance. The AA building, a single story building, has a smaller courtyard, which does incorporate landscape and seating. This courtyard provides a more attractive environment and maintains the use of natural light.

New buildings may include interior courtyards where the program allows. These courtyards should consider the following criteria.

### Design Criteria

- Incorporate approved planting on ground floor construction
- On second floor construction provide hardscape design and raised planters or pots with approved planting
- Provide approved seating to be incorporated into the overall design

### NOT RECOMMENDED COURTYARD



Humanities and Social Sciences Building second floor courtyard with concrete floors

### RECOMMENDED COURTYARD



Applied Arts Building Courtyard with integrated planting floor design and seating areas

## SEATING AREAS

There is no sense of 'leftover' space throughout the campus. Every open area, between buildings, at the perimeter of buildings, where grade changes occur, and transitional spaces is either a designated seating area or landscaped. This can be attributed to the commitment by the College and the maintenance/operations department to maintain the open feeling of the campus. The seating areas throughout the campus range from formal to casual spaces, fixed seating to movable benches. The design of these small spaces between instructional buildings becomes as important to students as the classrooms. For example, exterior eating areas provide an alternative for students to take advantage of the favorable local climate.

The College first integrated low, horizontal pre-cast concrete benches throughout the designated sitting areas. The benches had a strong relationship to the campus architecture and provided continuity with the retaining concrete walls. However, the College most recently adopted the blue metal benches as a standard for benches and fixed seating throughout the campus. These have provided more flexibility for relocating the furniture.

### Design Criteria

- Integrate seating areas with the site design of the building project
- Provide a continuity between existing outdoor spaces and new designed seating areas
- Provide approved furniture
- Incorporate concrete benches where site allows
- Provide lighting and trash receptacles
- Provide approved planting

Seating area at the southwest corner of the Central Quad



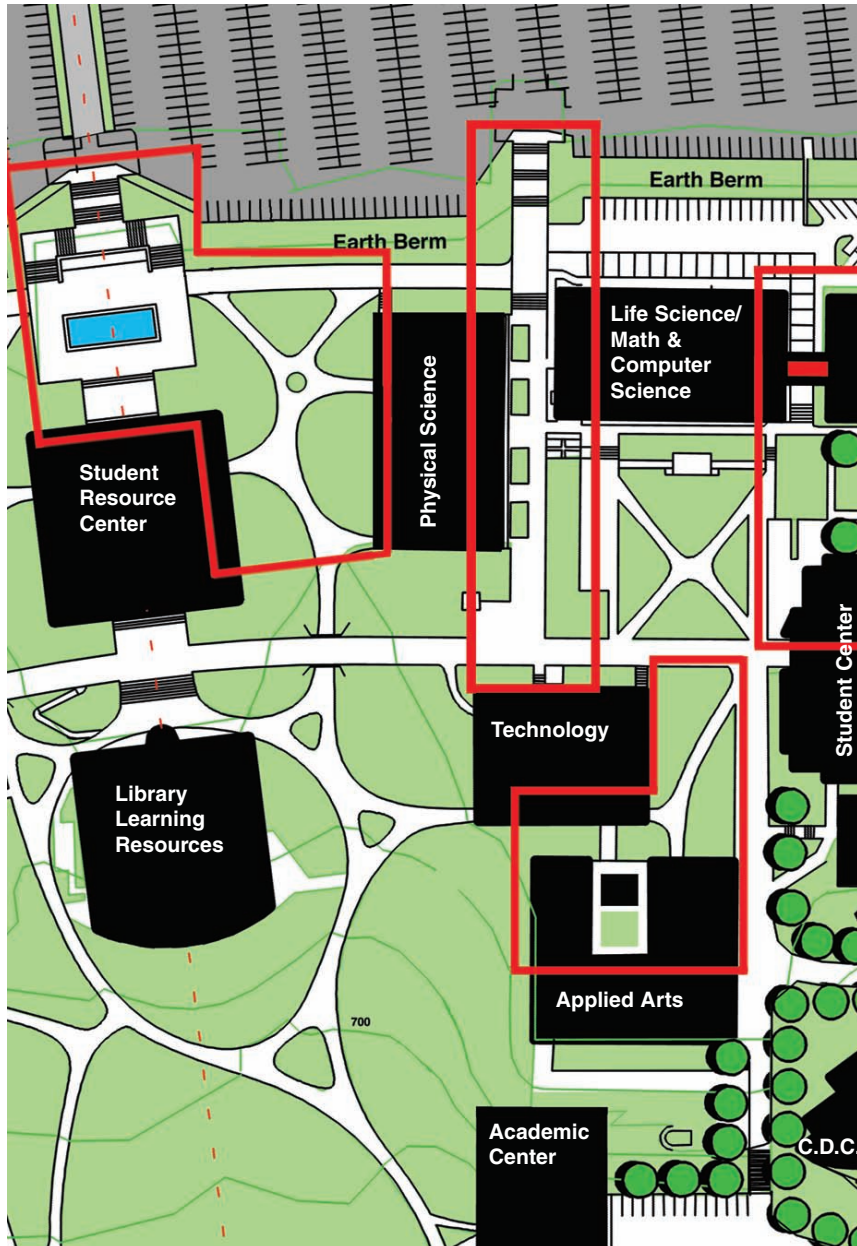
Seating area outside the Student Center, west of the Central Quad



Seating area at the Central Quad area



## RELATIONSHIP BETWEEN EXTERIOR SPACES



The campus has many courtyards, seating areas and lawns that are connected to one another and organized by a grid of walkways. Outdoor spaces have a strong relationship to each other.

The image to the left shows the figure ground of the northeast corner of the campus, with the dominance of the open space design over the buildings. The campus is much more about the definition and articulation of the open spaces and therefore, the simple geometric buildings help define these spaces.

Future building projects, landscape and infrastructure upgrades should maintain the organizational characteristics of the campus and reinforce the standing tradition of outdoor space definition. New sitting areas, courtyards and lawn areas should continue to relate to the walkways and provide connection to the surrounding buildings and spaces.

### Design Criteria

- Provide accessibility to open spaces
- Include appropriate landscape and site furniture in open spaces
- Provide trees along pedestrian walkways for reinforcement and shade

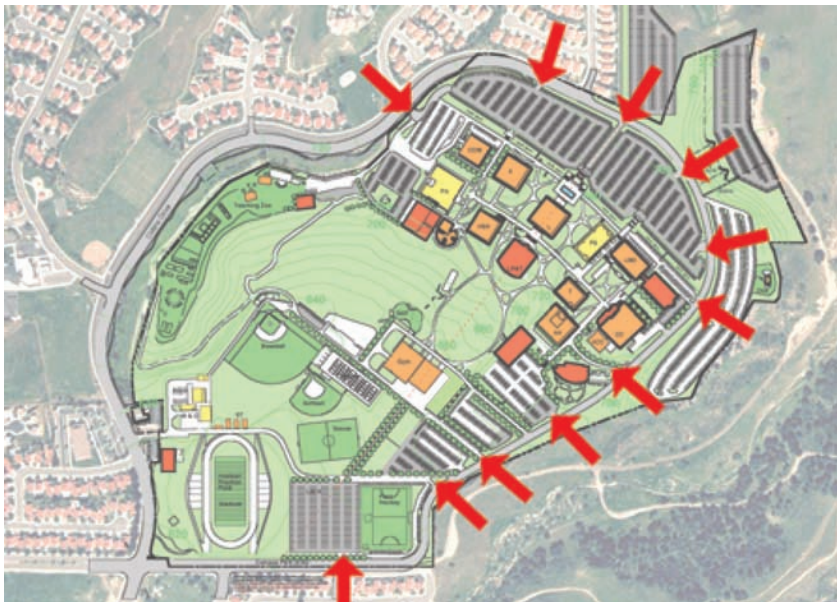
## COLLEGE ENTRANCES

Moopark College campus has 11 different student entrances, located along Collins Drive, Campus Road and Campus Park Drive. The two roads merge into one another and provide a complete loop around the entire campus. Various vehicular entry points are necessary to provide adequate accessibility to different levels throughout the campus. Parking accessibility has also contributed to the numerous entries.

Future projects along the perimeter of the campus should provide a reasonable scale and help better define entry points into the campus. New projects should also incorporate adequate signage for wayfinding and maps to facilitate in orienting new students and visitors.

Additional projects will be needed to improve the existing entries and set a hierarchy for every entry. The photo below shows the main entrance off Campus Road. Additional trees should be added to announce the entry, along with a monumental entry sign and additional directional signage for parking and visitor orientation.

New entries may be needed due to future college development at the perimeter or if any adjacent development takes place. Any additional entries should consider the same standards listed above and maintain a good connection between the exterior loop road and the center of the campus.



College Entry Points



Campus Primary Vehicular Entry

## SITE STAIRS AND PEDESTRIAN ACCESS

The campus pedestrian north entries shown on the lower right plan were designed to provide a grand entry into the core of the campus. The wide and gently stepped stairs create a dramatic and powerful experience for new visitors. The steps are connected to the main pedestrian walkways of the campus and therefore provide better organization. Future landscape and infrastructure projects should not disturb the scale or design of the existing stairs. Future entry points should use similar scale, landscape, hardscape, materials and lighting.

### Design Criteria

- Mature trees should be planted at entries to provide better definition and shading
- New stepped entries should be wide and maintain gentle steps
- New entries should match the paving pattern and use of brick
- New entries should use similar planting to match the existing
- New entries should use similar lighting to match existing and meet the required illumination standards
- New entries should provide furniture or concrete cast seating to match existing



Stairway from northern parking lot B into the LMC building



Primary pedestrian entries and stairways

## PLAZAS

Moopark College campus has two plazas, one located at the north entrance north of the Library and the second located over the PE locker rooms east of the Gymnasium. The north plaza and its large fountain have become one of the symbols of the College. It provides a large open space with built-in concrete seating at the perimeter and along the fountain. The plaza could be better integrated into the former Library space. Future upgrades to the former Library should establish a grand north entrance to provide a connection between the plaza and the building.

The south plaza also provides a large open space, which serves as an excellent outdoor foyer for the Gymnasium. The plaza has trees planted in concrete planters to provide shade and places to sit. The plaza also provides views of the valley to the south and to the campus and mountains to the north and northeast.

Improvements and additions to the Physical Education facilities-the gymnasium, locker rooms, tennis courts and future fitness center-should be integrated into the use of this plaza. The fitness center should have access to the plaza at the upper level. The views from the plaza should not be obstructed by the development of new buildings to the north or south.

### RECOMMENDED



Entry Plaza north of the former Library

### RECOMMENDED



PE PLaza located over the locker room east of the Gymnasium

## COLLEGE VIEWS

The college's primary views are to the south and southwest. The campus core location at the top of the slope and the orthogonal arrangement of buildings provide direct views throughout most of the campus. Buildings have been planned to mildly step down along the natural slope. This allows most two-story buildings to capture some direct views or make it easier to look across for diagonal views of the hills to the southeast and southwest.

### Design Criteria

- Follow planning criteria to locate buildings
- Follow planning criteria for building height and sizes
- Provide open spaces that take advantage of the views
- Orient buildings and building functions to take advantage of the views where possible



Campus Primary Views



Panoramic view of the campus.



## SCALE

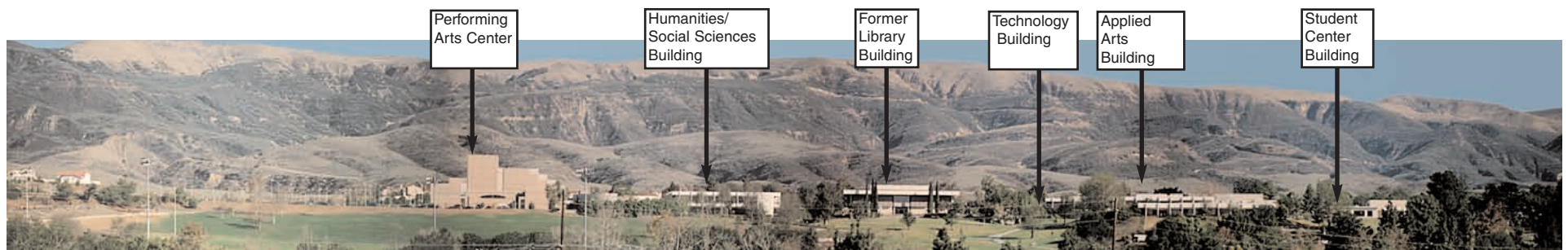
Until the Performing Arts Center was completed in 1995, the former Library was the tallest and largest building on the campus. The Performing Arts Center should continue to be the tallest building and an icon for the College. The new Library/Learning Resources (LLR) building is approximately the same height as the former Library building, 41 feet tall. The former Library is being remodeled to eventually serve as a One-stop Center. The three buildings, the Performing Arts Complex, the Library/Learning Resources building and the future One-stop Center would maintain a higher profile and larger scale. Their size, height and location also provide good points of reference for organization. The remaining buildings to be constructed should be either one or two stories and should serve as a backdrop to the larger prominent buildings.

### Design Criteria

- New building projects shall not exceed the building height of 41 feet
- Follow planning criteria in the 2005-2015 Facilities Master Plan for building heights and sizes



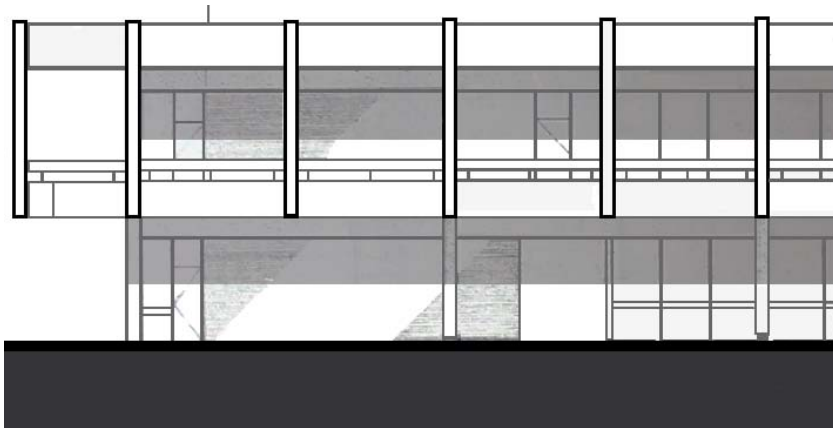
Performing Arts Center. This building is located at the western edge of the core campus. The building was completed in 1995 and is currently the tallest building on campus.



## CAMPUS ARCHITECTURE

Since 1967 ten new permanent facilities have been constructed, five for instruction and the Performing Arts Center in 1995, also partly used for instruction. The Applied Arts building was constructed in 1970, the Humanities and Social Sciences building and the Music building in 1975, the Communications building in 1990 and the Life Science-Math-and Computer Science (LMC) building in 1999. The Library/Learning Resources building was completed in 2005, and the Warehouse was completed in 2006. The Child Development Center is currently under construction and is scheduled for completion in Fall 2006. These buildings are the most recent accepted designs by the college. With the exception of the Performing Arts Center, all other buildings have maintained a consistent design aesthetic, color palette and use of materials.

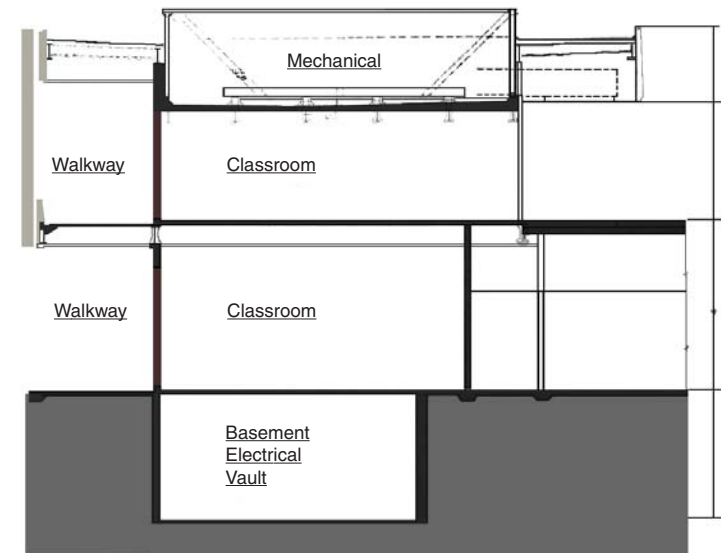
All future construction projects should maintain the current standard of colors, details and materials, thus preserving the integrity of the campus architecture and its history.



Typical two story building facade with cantilevered second floor, exterior corridor, and colonnade.

### Design Criteria

- Follow established color palette
- Follow established material
- Follow the existing order and design of the exterior pre-cast colonnade
- Provide exterior corridors
- Provide adequate parapet and mechanical screens to be consistent with existing buildings
- Provide consistent railing design to match existing railing



Typical two story building section with cantilevered second floor exterior corridor and colonnade, rooftop mechanical penthouse and basement electrical vault.

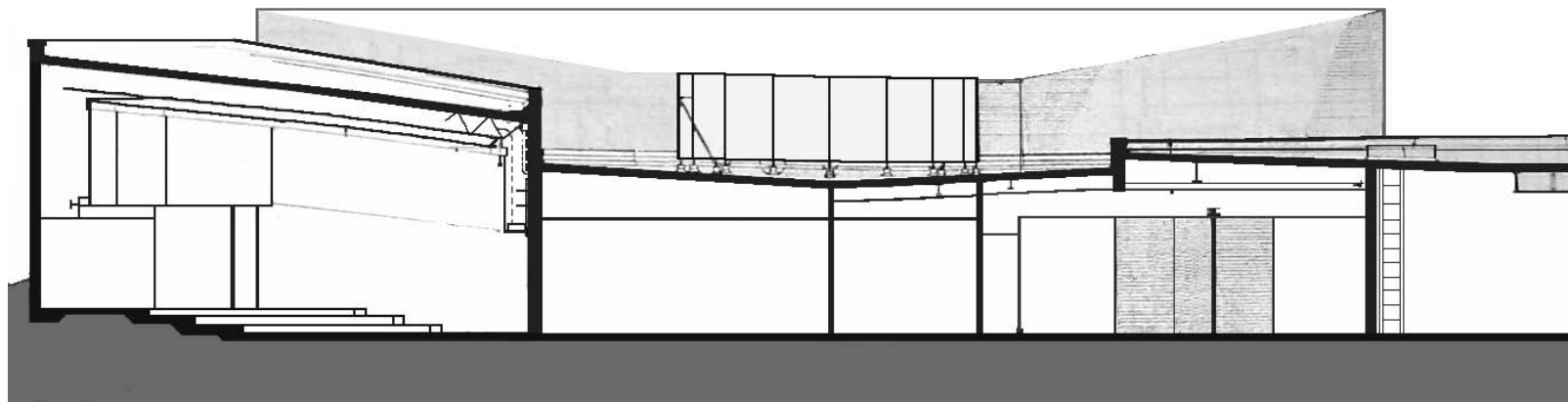
## MUSIC BUILDING

In 1975 the Music building became the first building to depart from the established orthogonal building design. The building was designed in a radial form with four wings for music instruction. This irregular building form was designed to meet the acoustical demands for music instruction. The use of painted brick throughout the exterior maintained some consistency with other buildings throughout the campus.

The building is located on the southwest corner of the campus core. The planned development of a new EATM Building and an Arts Complex south of the Music building will make the Music building an important link to the main campus core. The new building projects should incorporate the Music building into their development and take advantage of the southwest views.



The Music Building is the only building on campus with a different geometry and sloped rooflines. The building was completed in 1975.



Building section through the Music building.

## PERFORMING ARTS CENTER

The building's large scale and rusticated surface texture provides an iconic figure on campus. Constructed in 1995, it was a departure from the aesthetic of light-colored, smooth-finished pre-cast concrete, exterior courtyards and walkways. Instead, this building was constructed using split-faced concrete block or concrete masonry units.

Although the building is successful in scale, the use of a split-face block along the exterior and at the colonnade makes it stand apart from the rest of the campus. In addition, the stair and ramp system to the main lobby of the theatre breaks the relationship to the main level of the college.

The building was very successful in integrating different functions for the performance center and for instruction. The building has also been very successful in accommodating performances and extending its use to the community.

The building shall remain an icon and maintain its scale and mass proportions relative to the rest of the campus. New projects near it should not compete in scale, but rather should attempt to bridge the scale and styles of the remainder of the campus and the Performing Arts Center.



Performing Arts Center front entry



Performing Arts Center rear facade and loading service dock

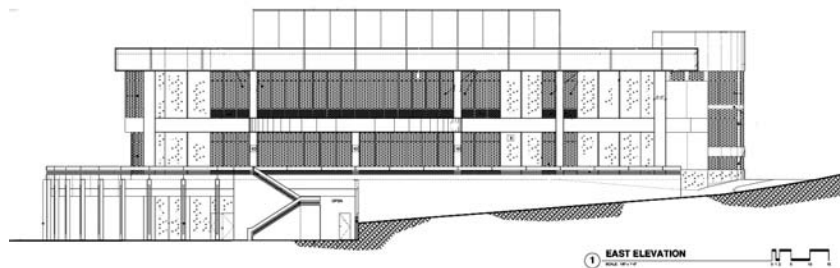
## BUILDING WINDOWS

Most existing buildings lack openings, such as windows and additional glazing on exterior doors, that take advantage of the campus views, landscape and natural lighting. The new Library Learning Resources building has introduced larger openings along all four facades, which provide a visual connection between the interior of the building and the campus. The design of fenestration on all new buildings shall consider adding more openings only if the quality of light gained is energy efficient.

### Design Criteria

- Provide full story glass in areas without any direct sunlight
- Use glass doors at corridors or foyer entries
- Avoid using clerestory windows exclusively
- Maintain a balance between energy consumption and the amount of doors and windows added to a space

### RECOMMENDED



Top : Library Learning Resources Building East Facade. Bottom Left: New Library Learning Building East Facade Computer Rendering Study. Bottom Right: Student Center West Facade

### NOT RECOMMENDED



Top: Communication East Facade. Bottom: Existing Library East Facade

## DAYLIGHT

Moorpark is located in a coastal valley with mild climate. In addition to the favorable climate, the campus location receives sunlight most of the year. The former Library building was originally designed to take advantage of the sunlight by using skylights at the central open space reducing electrical cost and providing natural ambient light. The space requirements allowed for a larger open space to be designed, which could take advantage of natural lighting. This feature was removed during construction and regular lights were added. More attention should be given to the application of natural light where its feasible.

The Applied Arts building and the Humanities and Social Sciences Building were designed with courtyards, which provide natural light to the offices and classrooms. The use of courtyards limits double-loaded corridors and allows interior facing classrooms to obtain natural light. In addition, the courtyards provide additional studying and socializing space.



Central open space in the library.



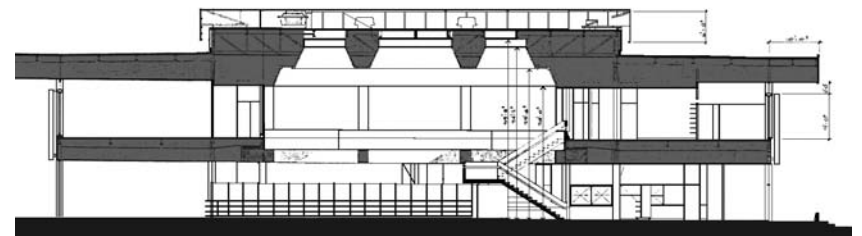
Staircase at the central open space in the library.

### Design Criteria

- Provide controlled daylighting
- Provide natural light to classrooms and laboratories
- Make use of interior courtyards to provide natural light to interior spaces
- Integrate skylights, light shelves to provide natural light where appropriate and feasible
- Use overhangs and sun screens to help control sunlight



New Library/ Learning Resources building with overhang and sun screen design.



Original building section drawing through the Library. The building was originally designed with a system of skylights that illuminate the central open spaces throughout the day.

## COVERED WALKWAYS

All new buildings should consider, where feasible, incorporating the design of exterior walkways to be consistent with the existing design elements, details, colors, materials and dimensions. Handrail, guardrails and stairs incorporated in the design of the walkways should remain consistent with the existing campus and the standards outlined in this document.

### Design Criteria

- Provide 10' overhangs
- Provide stairs and guardrails where required
- Avoid the use of alternative materials and colors, unless approved by the College
- Avoid changing the spacing of the columns and the depth of the covered walkway

### RECOMMENDED



Covered walkway at the first floor of the Administration Building



Covered walkway at the second floor of the Humanities Building

### NOT RECOMMENDED



Wood framed and stucco finish colonnade at the Communications building



Theater colonnade constructed using colored and textured concrete masonry block.

## CAMPUS COLORS

Moorpark College has adopted a color palette, which all future building projects should incorporate.

### Colors

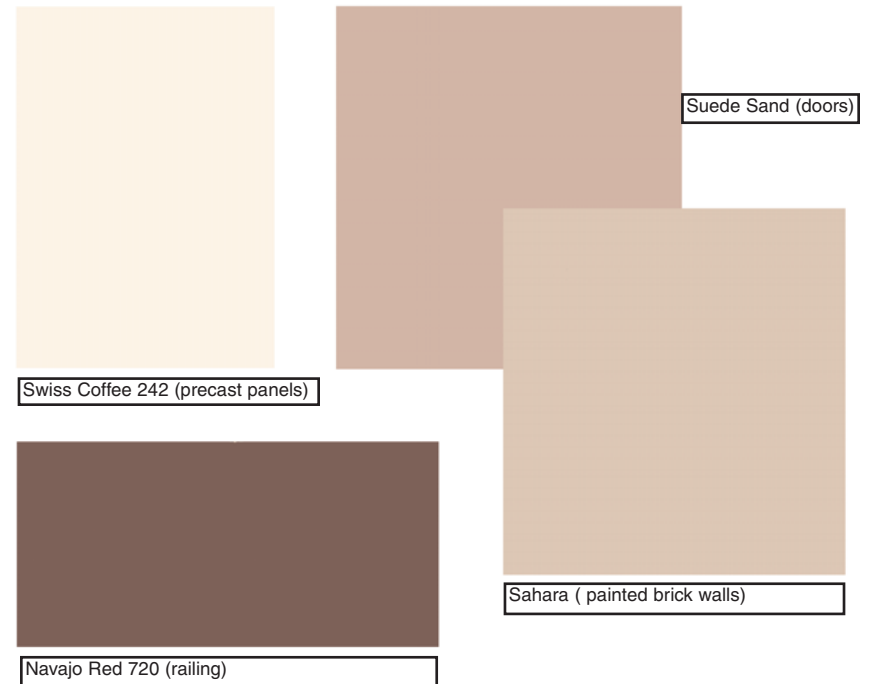
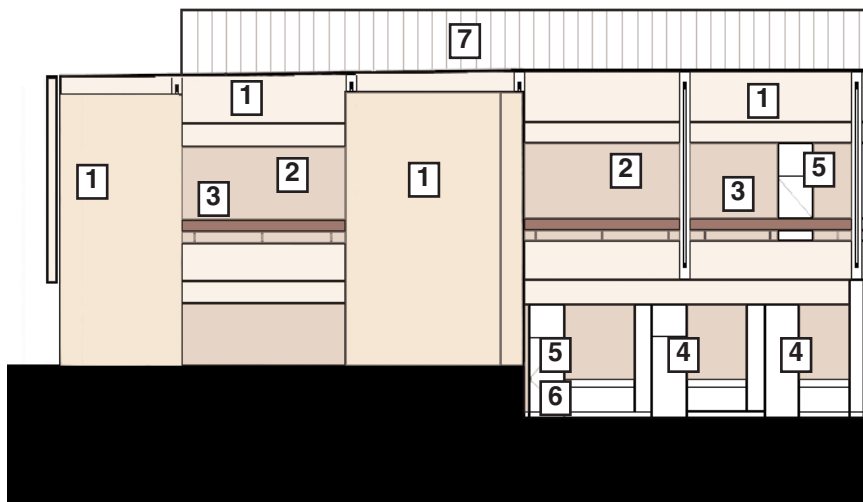
1. 242 Swiss Coffee  
ICI DULUX/ DECRATREND
2. SP 513 Sahara  
DUNN EDWARDS
3. 720 Navajo Red  
ICI DULUX/ DECRATREND
4. Aluminum Storefronts:  
ANODIZED - BRONZE

5. DOORS: 5193 Suede Sand  
ICI DULUX/ DECRATREND

Door Jamb: COFFEE  
ICI DULUX/ DECRATREND

6. Automatic Doors:  
ANODIZED - BRONZE

7. Metal Equipment Screen  
BY AEP-SPAN "PARCHMENT"  
242 Swiss Coffee  
ICI DULUX/ DECRATREND



Moorpark College approved color palette



## CAMPUS MATERIALS

Most campus buildings are constructed with painted brick and concrete. The use of other alternative materials is strongly discouraged. In order to preserve the consistency of the campus architecture and style.

### Recommended Materials:

- Painted brick
- Painted 4" high block
- Painted pre-cast concrete
- Painted cast-in-place concrete
- Painted stucco finish

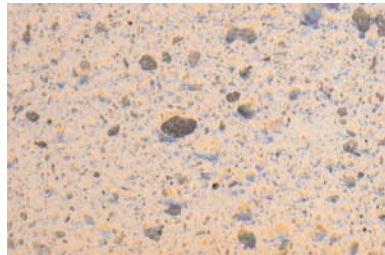
### Not Recommended Materials:

- Avoid using materials not consistent with other campus projects and not approved by the College
- Avoid using finishes not consistent with campus buildings
- Clay facing brick
- Split-faced masonry units
- Any type of siding
- Metallic finishes
- Shingles

### RECOMMENDED



Music Building exterior painted brick finish

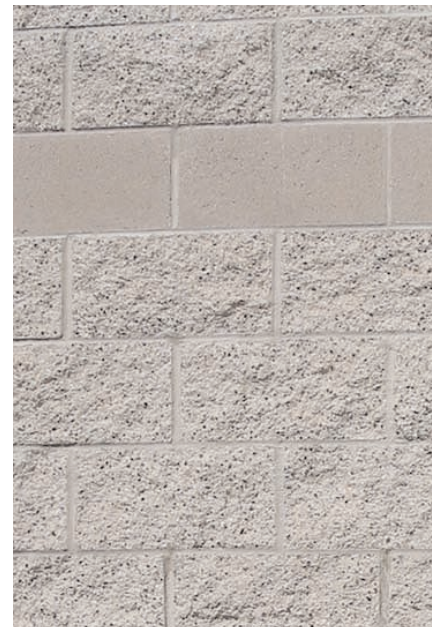


Aggregate sample for pre-cast concrete panels

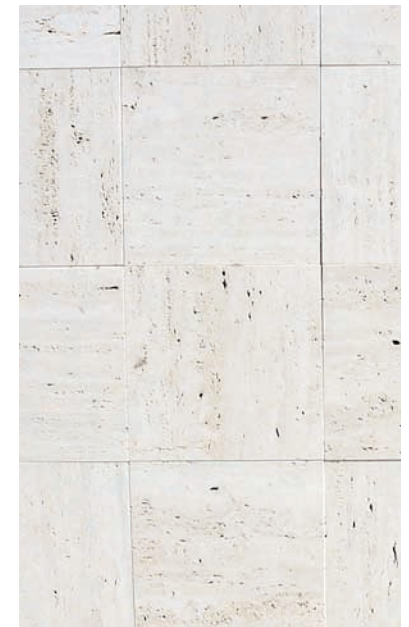


Administration Building exterior painted brick finish, concrete clad and stucco column finish, and store-front window finish at facades.

### NOT RECOMMENDED



Performing Arts Center 'split-face' concrete block facade



ACCESS Center limestone tile facade finish

## ROOFLINES AND MATERIALS

### Recommended:

- Provide consistent eaves and roof lines and use materials that are consistent with existing eaves and roof systems
- Follow existing pre-cast pattern on eaves
- Maintain consistent colors and textures
- Maintain campus building scale

### Not Recommended:

- Sloped roofs
- Clay or slate roof finishes
- Metallic finishes on eaves or roofs
- Flat facades without articulation
- Alternative eaves design and mechanical equipment screening

### RECOMMENDED



Existing Technology Building pre-cast panel design at the eaves

### NOT RECOMMENDED



ACCESS Center exterior west facade

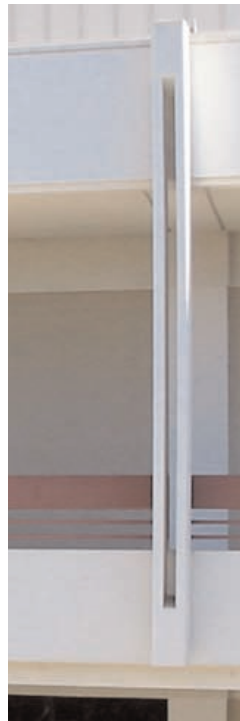
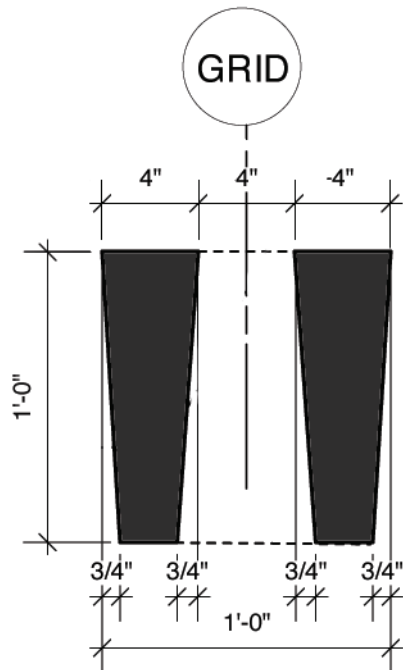


Communications Building exterior east facade with stucco mechanical screen

## BUILDING DETAILS

The campus has adopted the use of fins/columns throughout the perimeter of buildings on the first or second floor. This design element should be considered where appropriate, according to the scale and the use of the building to reflect the existing conditions. The fins are primarily decorative elements, although they do serve as structural support in some cases. The fins have specific dimensions and taper in depth. The drawing below shows the fin measurements with an overall 1'-0"x1'-0" perimeter and 3/4" tapering at each end of the fin section.

### RECOMMENDED



## Design Criteria

- Provide fin columns where appropriate
- Colors, materials and textures should be approved by the College at the design phase of the project
- The integration of new columns on buildings shall respond to the scale and articulation of existing buildings

### RECOMMENDED



Top Left: LMC Building second floor railing and pre-cast concrete fin. Top Right: Student Center south exterior colonnade. Bottom: LMC south facade with colonnade

## GUARDRAIL AND HANDRAIL DETAILS

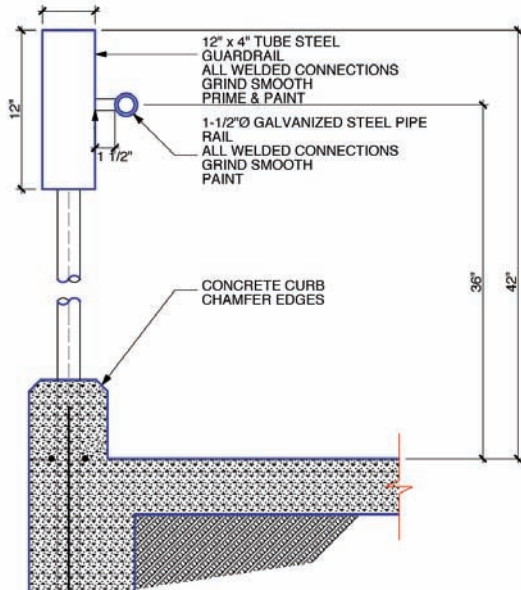
The railings should remain consistent throughout the campus. The original railing was constructed of laminated wood. However, this detail no longer meets code; therefore, a new railing detail has been adopted. The new railing was designed to match the 12" top section, but in tube steel. Two horizontal steel sections have been added to meet the code compliance of 4" or less for openings. In addition, a 1-1/2" pipe piece was included at all the railings to meet the code. New construction projects should continue to use the established standards and colors.



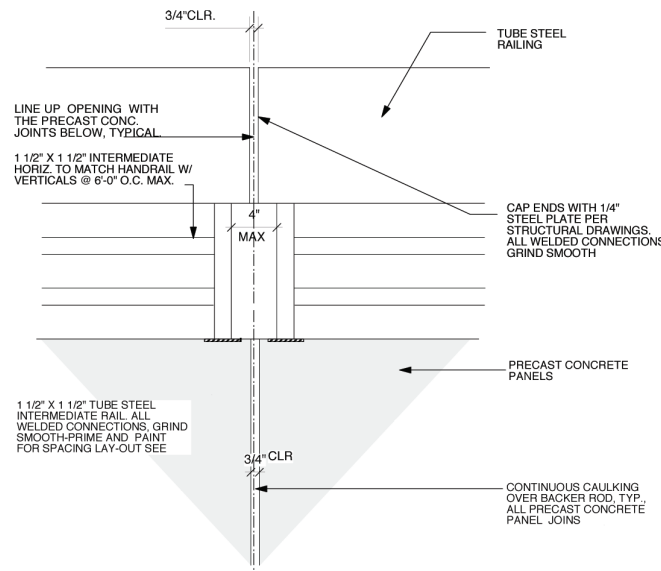
Original wood guardrail and pre-cast detail at the first floor Administration building



Original wood handrail



New approved tube steel site guardrail and handrail



New approved tube steel second floor railing



Tube steel guardrail and pre-cast detail at the second floor

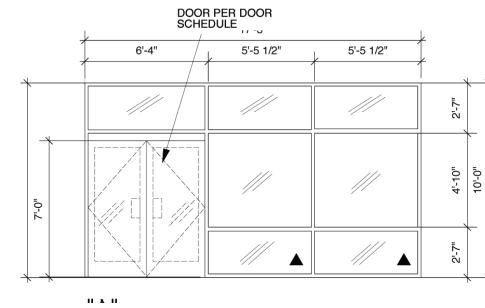
## CAMPUS DOORS AND WINDOWS

Future building designs will require more glazing for additional natural light into entries lobbies and classrooms. The design and location of large windows and doors shall be studied to consider the best energy use. The integration of storefront window systems and glass doors will soften the building facades and provide a visual connection of the interior with the exterior.

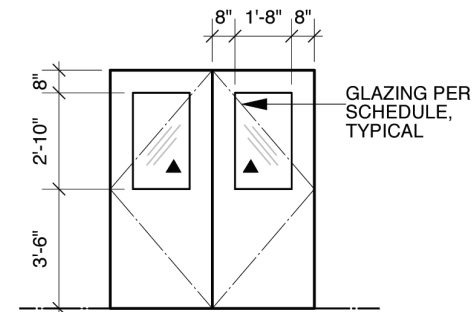
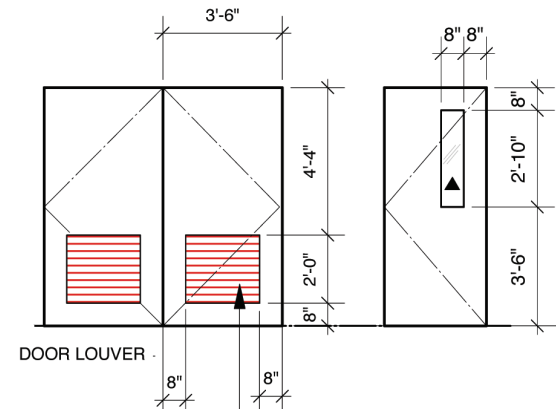
One example is the LMC Building. The design of the north facade integrates continuous windows at the second floor faculty offices and provides floor to ceiling windows throughout the first floor to provide natural light without any direct sunlight.



LMC Building north facade



Example of glazing at entry with storefront window system and glass doors



Example of doors with integrated glazing and door louvers.

## CLASSROOM NATURAL LIGHTING AND FINISHES

Most existing classrooms open directly to the outside and have clerestory windows, side door window panels or no windows at all. Limiting the amount of windows creates darker classrooms dependent on artificial lighting. The picture at the bottom right shows an existing classroom with no windows and artificial lighting only.

Clerestory windows are successful when used in combination with light shelves to reflect the light onto the ceiling. The current classrooms with clerestory windows are not as successful due to the 10-foot overhangs at the perimeter of the buildings. The design of future classrooms should integrate and evaluate the use of the overhangs and provide larger openings where possible and where it is energy efficient.

### Design Criteria

- The design should take advantage of sunlight through window openings at the perimeter or through the use of skylights
- Classroom window openings shall integrate passive light control features to regulate and take advantage of the available sunlight
- Interior paint finishes, colors, flooring, ceiling and lighting shall be consistent with existing standards, and shall provide durable products approved by the Maintenance and Operation Department
- All classroom equipment and furniture shall be durable and consistent throughout. Lab furniture shall meet the necessary requirements and safety regulations

### RECOMMENDED



Computer Science Laboratory at Antelope Valley College, is a good example of controlled lighting using glass block and vertical windows and sun walls adjacent to the windows to provide diffused light.

### NOT RECOMMENDED



Existing classroom with no windows to provide natural light

## CLASSROOM NETWORK AND ACOUSTICS

As the college develops larger classrooms they should include improved network for instruction. In addition, larger lecture halls need to be adequately designed for acoustics and adequate lighting for the different disciplines.

The picture on the bottom left is an example of a lecture hall designed at Glendale Community College. The lecture hall seats about 120 students and is designed in a radial stepped seating arrangement, with vaulted ceiling and controlled lighting to allow for projections and note taking. The lecture hall has also integrated direct network access to each student station and for the instructor. The shape of the ceiling provides better sound quality

A sink can be integrated into the instructor's station for science classes to use. The lecture hall could be used by almost every discipline on campus and provides a flexible well-used and efficient space.

### Design Criteria

- Provide state-of-the-art network, light and sound control at the instructor's station
- Provide college approved seating
- Provide projecting system
- Provide raised floor system where applicable

### RECOMMENDED



Glendale Community College science lecture hall with integrated network connections for web-cast lectures, adequate equipment for digital instruction, stepped sitting with internet access for laptop computers, sloped ceiling for better acoustics and controllable lights.

### NOT RECOMMENDED



Existing lecture classroom with TV and VCR cart and overhead projector.

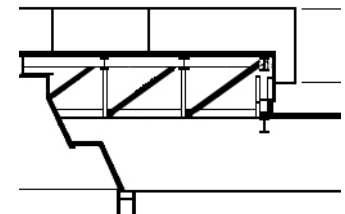
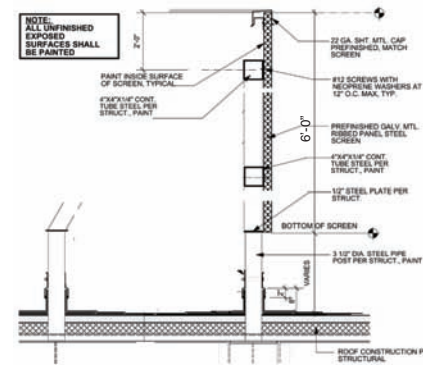
## MECHANICAL SCREENS

Moorpark College requires all buildings to be designed with individual roof mechanical equipment. When roof-mounted cooling and heating systems are installed, the College requires every building to provide a six foot high galvanized metal frame, Kynar panel finish and ribbed panel screen.

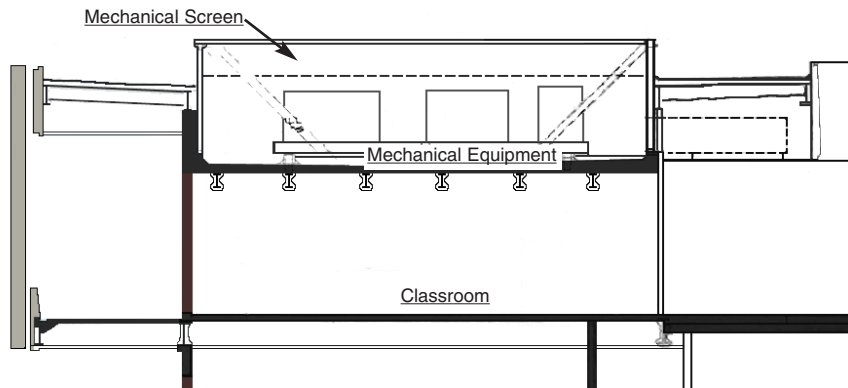
The design of the mechanical screen has been implemented on every building on campus since 1965. It is a common feature that was most recently used on the design of the new Library/Learning Resources building.

### Design Criteria

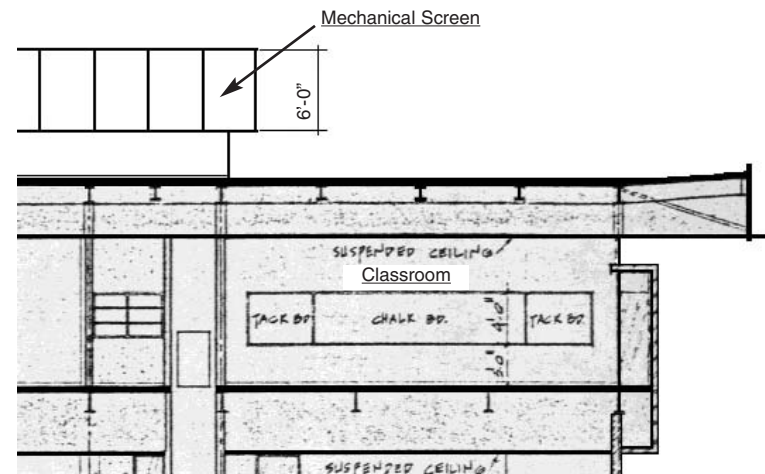
- Provide 6-foot tall galvanized metal frame, Kynar panel finish and ribbed panel screen
- Paint all exposed finished surfaces with approved color



Left: LLRC mechanical screen detail  
Right: Library section detail



Humanities building section with mechanical equipment screen



Library section with mechanical equipment screen



## BUILDING INTEGRATED DETAILS

Current buildings have integrated water fountains, public telephones, vents and fire extinguishers along the perimeter of the building. Most existing buildings have their primary circulation at the perimeter and, therefore, have integrated many student amenities into the building design. The benefit of this is access to telephone and drinking water lines already integrated into the building rather than running new lines underground to adjacent open areas or pedestrian walkways. It should be noted that changes in technology have reduced the number of pay phones needed on campus. New pay telephone installs will take place only in high demand areas.

Most of the original buildings have separate mechanical rooms at the perimeter, which require vents along the facade. The vents were designed into the overall composition of the façade and are consistent throughout most of the buildings. Most buildings since 1967 have roof mounted HVAC systems that require appropriate screening.

### Design Criteria

- Provide water fountains, and fire extinguishers along exterior corridors or at main pedestrian walkways
- Maintain consistent colors, finishes and details with the remainder of the campus buildings



Built-in water fountain and recessed water hose connection and fire extinguisher onto the side of the building at exterior corridors



Administration building mechanical room exterior vents at north facade



Former Library building mechanical room exterior vents at north facade

## EXTERIOR FURNITURE

Moorpark College has a mix of landscape furniture throughout the campus. Most recently, the College integrated blue metal benches and tables throughout the campus. In addition, many landscape areas throughout the campus use pre-cast concrete benches to relate to the many concrete retaining walls.

### **Benches and Tables:**

#### **Tables:**

- Provide ADA accessible tables
- Should be durable and weather resistant and easily maintained
- Should be powdercoated and painted to match existing furniture
- Provide table tops with durable materials and easily cleaned surfaces

### **Benches:**

- Provide ADA accessible benches
- Should be durable, weather-resistant and easily maintained
- Should be powder-coated and painted to match existing furniture

### **Concrete benches:**

- Shall be 15-18" in height and meet ADA requirements
- Should match concrete finish of existing benches

### RECOMMENDED



Top Left: Pre-cast concrete bench  
Top Right: Single metal bench  
floor mounted  
Bottom: Metal Bench and Table

### RECOMMENDED



Combination metal and concrete  
panel trash receptacle



Existing recycling receptacles

## EXTERIOR FURNITURE

### **Patio Umbrellas:**

-Should be durable weather-resistant, capable of withstanding high winds and easily maintained

### **Trash Receptacles:**

-Provide college approved weather-resistant, and easily maintained concrete and metal trash receptacles  
 -Should accommodate location, use and sizes  
 -Provide recycling receptacles according to College's standards.

### **Bicycle Racks:**

-Should be durable, weather-resistant, and easily maintained  
 -Use embedded and surface mounted to match existing

## EXTERIOR LIGHTING

Exterior lights should be designed to provide lighting levels required by national standards. All new fixtures should follow the existing standard and should be located on all walkways and road access to improve safety and accessibility. The College will be reviewing alternative fixtures that would provide better lighting levels and are more energy efficient.

### **Design Criteria**

- Provide pedestrian light, pole, height and clear globe head to match existing fixtures
- Provide street and parking light, pole, height with cobra head type to match the existing fixture
- All exterior, pedestrian, parking and street lighting shall be high intensity discharge (HID) lamps and electronic ballasts

### NOT RECOMMENDED



Metal Trash Receptacle on a concrete pad



Floor mounted wood bench and table.

### RECOMMENDED



Existing campus walkway pole light fixture, information case, campus wayfinding map and newspaper stand.

## CAMPUS LANDMARKS

Future campus projects and landscape improvement projects will provide opportunities for additional landmarks. The integration of landmarks adds to the character of the campus, provides points of orientation and defines individual open spaces. Some existing landmarks, like the Earth Shell, could be incorporated into the Arts Complex and parking lot reconfiguration to provide better access and programming.

The College has numerous possibilities for future landmarks throughout the campus. Some may include:

- At each end of Raider Walk, in front of the theater and the College Center.
- In front of the new Library/ Learning Resources building
- At the new lawn area south of the new Health Sciences building.

-At new or remodeled entrances:

- East of the new Health Sciences building
- East of the new Child Development Center
- At the new entrance to the Zoo and EATM Center
- At the northeast corner of the new Arts Center
- At the new F parking lot entrance to the campus

The College shall approve any landmarks, involving students, staff and faculty in the development and design.



Campus sculpture located opposite of the central quad



Dedication plaque in the garden east of the Administration building



Photovoltaic installation at north campus entrance



Earth Shell amphitheater

## CAMPUS SIGNAGE

The following section will address the condition of the existing signage program at Moorpark College. The College Campus Sign System could be divided into three categories. The first involves the vehicular wayfinding signs primarily located along Collins Road and Campus Park Drive. These include traffic signs, accessibility symbols and parking. The second are pedestrian wayfinding, which include locator directory and map, pedestrian directional and international symbol for access. The last, building signs, includes all exterior and interior signage on a building. The overall sign system should allow new visitors to reach the edge of the campus and find their destination without having to circle the campus more than once and further aggravating the traffic flow.

The campus has a variety of sign styles that have been implemented throughout the different eras of development. On February 20, 1997 the campus published a Campus Sign System Master Plan Report documenting the state of the signs and providing conceptual design ideas for implementing an architectural sign system master plan. The document established some guidelines for signage that are reflected on some of the most recent building projects and campus improvements, but has not been implemented throughout the remainder of the campus. This is due in part to the lack of planning and implementation information provided by the report along with serious budget constraints. The published report was the first part of the overall master plan process. A second report that was to include the budget forecasting and implementation planning was never completed by the design team. In order to fully implement a consistent signage program throughout the campus, the signage master plan should be completed and then implemented to upgrade or replace signs throughout the campus. This task should become part of the work plan for the Campus Environment Committee.



Campus entry sign

The consistency of the signs throughout campus will graphically organize the campus and will achieve better results in orienting visitors and providing better accessibility. Many buildings were constructed with less stringent codes for signage and accessibility and need to comply with current accessibility laws. As the college continues to expand, it will be critical to provide adequate and well-planned signage for the convenience and well being of users.

## VEHICULAR WAYFINDING

Some of the problems related to vehicular wayfinding at Moorpark College are related to the lack of paved parking and need to use athletic fields or adjacent dirt fields for overflow parking. It is difficult to provide adequate and consistent signs and graphics for spaces continually changing. In addition, many codes, rules and regulations have changed over the past 39 years, which take time to implement and there are often layers of signs which need to be removed or updated. The college has done an outstanding job in implementing the major signs at the perimeter of the campus. These large white and blue signs, not only provide concise and important information, but their size and location makes them impossible to miss.



Standard signs at perimeter road for campus building locations and parking accessibility.



### Design Criteria

- Provide large white and blue signs at the perimeter of campus where new entrances are developed or where existing entrances do not have any. Update the existing signs where new buildings are added/renovated
- All traffic signage should be located in a visible area, not blocked by any landscape or additional signs
- Avoid redundancy by adding additional signs that provide the same information
- Maintain the College standards for signage and follow the existing pattern of signs as best suits every situation or project
- The College must approve all new signage



Banner sign for overflow parking through the first weeks of each semester

## EXAMPLES OF VEHICULAR WAYFINDING SIGNS



Parking Lot S entrance signs



Perimeter road traffic signage



Parking Lot CC signage



Parking Lot CC signage



Parking Lot S signage



Parking signage.



Parking Lot D & E signage

## PEDESTRIAN WAYFINDING

Since a comprehensive signage master plan was not completed, the majority of the campus pedestrian signs are located at the original campus core. There are no additional maps throughout new parking areas and where portable classrooms are located on the southern end of campus or near the PE facilities. The campus will continue to develop additional pedestrian directories and maps based on the Master Plan to provide better orientation for new students and visitors.

The current pedestrian maps are either mounted on the campus newspaper stands, on steel poles or light poles. Throughout the campus core, the newspaper stands are fabricated out of metal and are painted blue to match the College's colors. The original maps were mounted on steel poles and are still located throughout the campus. There are banners mounted on the light poles throughout campus entrances. These should be implemented at new entrances and corridors where exterior light poles are used.

Existing maps should all be upgraded to reflect any additional buildings. New maps should be located near a site light and should match one of the existing types.

### Design Criteria

- Provide large white and blue signs at every pedestrian campus entrance
- Provide updated campus maps at every campus entrance
- Designate space for students to display announcements and not deface building facades, campus features or landscape
- Provide additional newspaper stands throughout new areas of development with updated campus maps
- Coordinate locations maps and signs with exterior light implementation to provide adequate lighting for signage
- All signs should meet code compliance and should be approved by the College.



Building Administration west entrance with banners



Pedestrian entrance orientation sign



Campus maps and College Newspaper stand.



Campus maps and on steel pipe column.



## BUILDING SIGNAGE

Building signage is relatively consistent throughout the campus, with few exceptions. The main problems are the location and color of the signs. Examples not recommended in the future include the following: 1) Silver color building name signs that do not contrast well against the light-colored walls, 2) Building signs that are located out of eye level and with graphics too small to read.

During the first days of school or during conferences, paper signs with bold colorful letters are hung near the entrances of buildings to help identify them.

### Design Criteria

- Building name sign must have 10" letters
- Signs must be cast aluminum, 3/4" thick with medium bronze anodized finish



LLR Building

## NOT RECOMMENDED



Small sign with building name and information located on the second floor railing of the Humanities and Social Sciences building.



Grey metallic building sign and additional blue sign placed on the northern stair and elevator tower of the Humanities and Social Sciences building.

## LANDSCAPE DESIGN GUIDELINES

### INTRODUCTION

The purpose of the following section of the Landscape Design Guidelines is to establish a uniform criteria for the landscape phased implementation of the Moorpark College 2004 Master Plan and avoid the common problems associated with phased campus construction. Common problems are typically related to new construction and the interface with existing facilities and may include interim irrigation water management required during construction, impacts on existing mature trees/shrubs due to proposed grading design, the relationship of future and current planting. The infrastructure section of the 2004 Moorpark Master Plan contains a section dedicated to the technical aspects related to landscape, irrigation and grading. These may include the creation and/or exacerbation of storm water drainage problems, location of construction staging area(s) and the associated impacts.

These guidelines will provide design professionals with the foundation required to create a consistent and integrated approach to the planning and development of all future phased landscape projects on the Moorpark College campus.

As the college has experienced some difficulty in growing and/or maintaining certain plant species, the guidelines include both a matrix of acceptable plant material and a prohibited plant material list. Design professionals shall review both documents prior to initiation of the planting design.



Sloped lawn area south of the Humanities and Social Sciences building



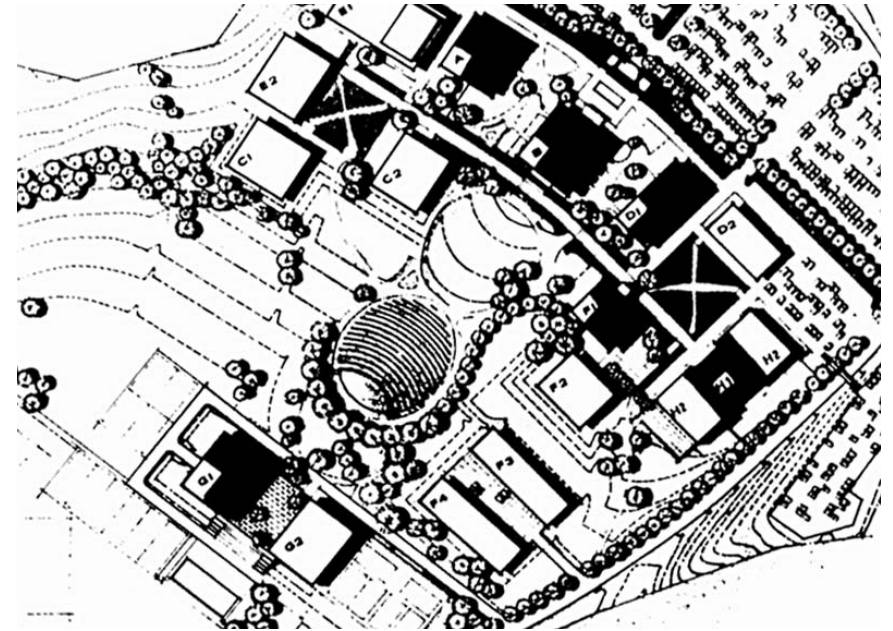
Central east west promenade facing east at the Student Center (future Student Union)

## LANDSCAPE

### BACKGROUND

From the conception of the campus plan in 1963, the central sloping lawn area was to remain open for activities and aesthetic values. The plan indicated the use of additional planting along the eastern edge of the open space, where there is high pedestrian traffic. The slope lawn area was to be terraced for planning activities and even instructional spaces.

The Moorpark College's 2005-2015 Facilities Master Plan includes a proposal for converting the central open space into a space for activities by partially terracing the topography and using a system of ramps and walkways. The plan would include additional planting and landscape improvements.



Original Master Plan Central Landscape Plan



Open sloped lawn area.



Proposal for Central Landscape Area, 2004 Master Plan Landscape Section

## LANDSCAPE

### LANDSCAPE AND HARDSCAPE ORGANIZATION

The landscape at Moorpark College has been designed to emphasize the organization grid of the campus plan. The orthogonal system of circulation paths and promenades and the location of the buildings is re-enforced by rows of trees, linear planters, long strips of lawn area and paving. The image on the right shows the landscape arrangement west of the central quad. The pedestrian promenade is emphasized by the use of brick inlay stripes and defined by the use of brick planters with large shade trees. The large trees provide a transition space between the main pedestrian walkway and the perimeter colonnade of the Physical Science building. East of the promenade is a lawn area with four trees and roses shrubs planted on a grid system. This space also provides a transition between the pedestrian walkway and the main quad.

The use of brick on walkways is an important feature throughout the campus. It is not only used to emphasize walkways, but it is used throughout important places of gathering and primary building entrances. In the image at the bottom right, brick was used to emphasize the importance of this space at the northern entrance to the former Library. It provided a strong connection between the front fountain plaza and the existing former Library.



Proposal for Central Landscape Area, 2004 Master Plan Landscape Section



Proposal for Central Landscape Area, 2004 Master Plan Landscape Section

## PLANTING AREAS AND SITE WALLS

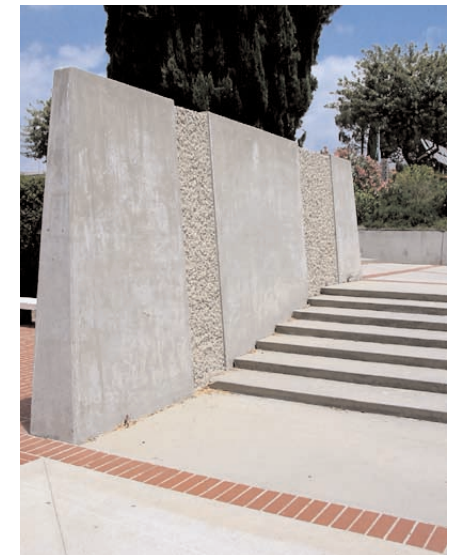
The College has been successful in integrating a variety of planting throughout the campus. The planting palette helps define articulate and comfortable spaces within sometimes difficult sloped areas. The topography has provided opportunities to integrate and design site walls and grand steps.

The campus is not only defined by its regular system of promenades and landscape features. There is also a consistency in the planting throughout the perimeter of the buildings and used to conceal mechanical equipment or to accent “leftover” spaces in awkward intersections or areas not accessible to pedestrians. To maintain the consistency and the tradition of the campus landscape definition, the following pages 80-84 will offer plant palettes selected by the grounds department at Moorpark College. It is imperative that the selected landscape architect work in close relationship with the grounds staff and follow the protocol as described on page 87 to achieve the best results.

The design of the site walls, although not consistent throughout the entire campus, provides an excellent precedent for the type of detail that is expected at the Moorpark College. Pour-in place concrete walls are tapered at the top and the finish alternates to fit the site specific condition. Along the bridge, lights were formed directly at the base of the walls. The walls are an excellent example of function and space articulation using simple unfinished materials. New walls should also incorporate design features to deter vandalism, such as skateboard grinding and others.



Proposal for Central Landscape Area, 2004 Master Plan Landscape Section



Proposal for Central Landscape Area, 2004 Master Plan Landscape Section

## LANDSCAPE UPGRADE ZONES PLAN

The plan on the opposite page (page 81) provides various landscape improvements to be implemented throughout the different phases of development.

**A:** Improve signage and planting at all major entries and intersections. Upgrade parking lot landscape and provide more evergreen trees for parking lot shade.

**B:** Provide for student breakout areas with tables and possible exterior wireless lap top connections. Create private small open spaces for outdoor music practices and larger open spaces for student interaction.

Vary areas for sun exposure throughout different times of the year. Provide viewing areas with adequate flowering accent trees, benches, and exterior lighting. Design exterior space for possible future outdoor concerts.

**C:** Provide landscape backdrop planting for transition into the zoo. The new EATM Building shall be landscaped with larger trees to mark an important entrance point to the Zoo and EATM facilities.

**D:** Enhance the campus loop road and create a Boulevard-like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**E:** Provide more deciduous trees at the entry for winter sun and summer shade. Provide continuous planting along sidewalks and more small seating areas in between buildings.

**F:** Maintain the open campus feel upon the completion of the Library Remodel. Reinstall adjacent turf and planting areas, restore pedestrian walkways, provide additional planting at the base of the building. The goal of this area is to maintain the visual connection when entering from the northern/upper parking lots into the campus. Update the campus key plans and provide additional ones at new campus entry points.

**G:** Maintain the open plaza turf space for major student events. Provide seating areas with tables and benches. Create small private student study spaces between the existing buildings.

Provide landscape at the perimeter of the Health Science Building and create an accessible entry with planting.

**H:** Provide seating areas under building overhead and additional outside student study areas. Provide handicap access to all seating and gathering areas and maintain the open vista to the lower campus.

**I:** The CDC building project shall include the adjacent access road as well as the nearby slope south of the Student Center damaged during the course of construction. Provide outdoor tables and seating spaces for students, instructors and parents.

**J:** Upon completion of the construction, the project staging area shall be restored to its original state.

**K:** Provide outdoor seating spaces adjacent to the Gym. Provide a tree-lined pedestrian walkway to connect the Gym with the Field Hockey, Football Field, Lot H, Lot G-2 and PE play fields and tennis courts. The walkway should provide adequate lighting and seating areas

**L:** Provide shade trees and perimeter planting for future parking lots. Provide appropriate lighting for all future parking lots and parking expansions.



Graduation setup at the central campus quad



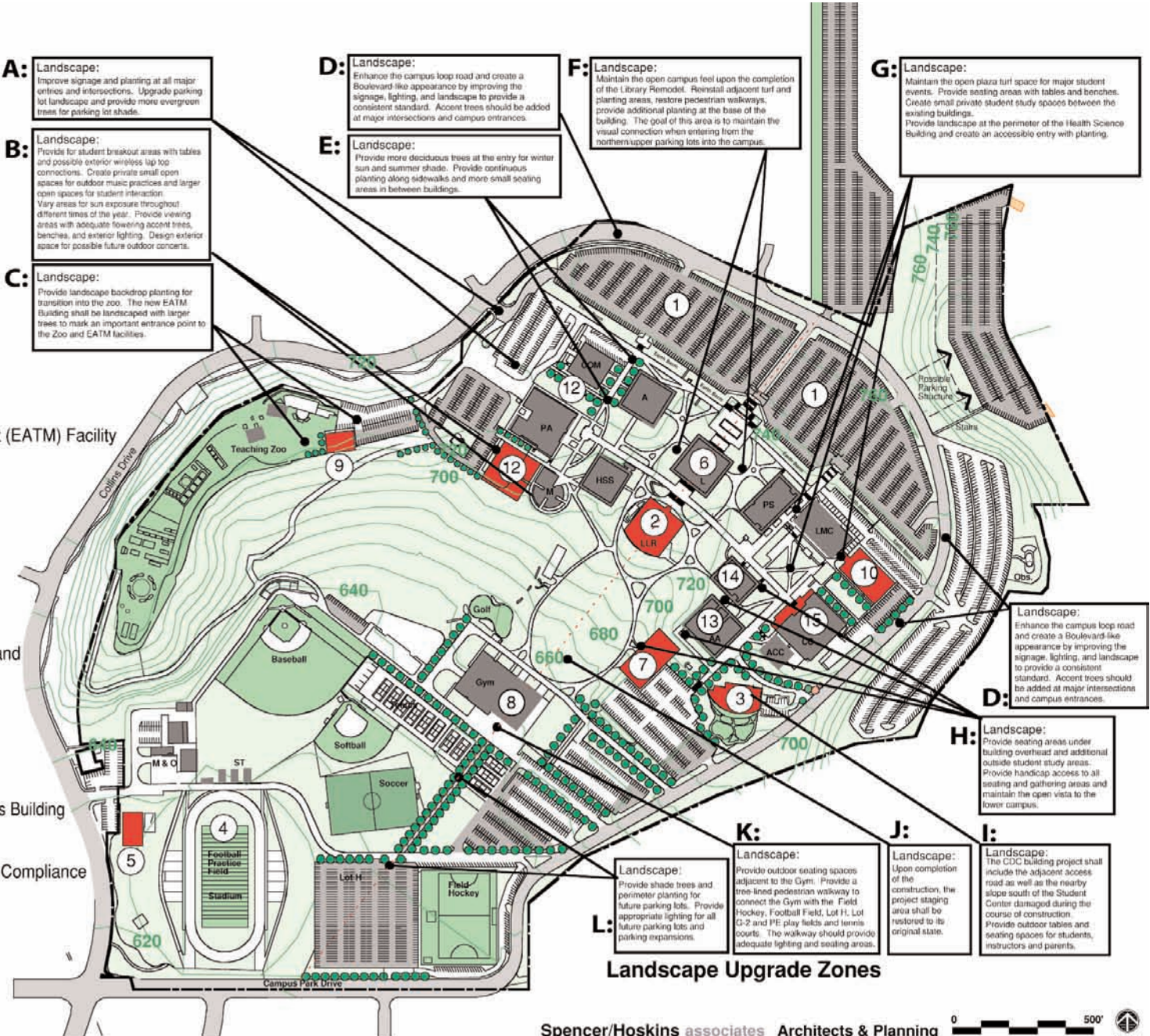
Lawn area with trees east of the existing Library



**Moorpark College  
2005- 2015 Facilities  
Master Plan  
19,000 Student Campus**

**Bond Projects**

1. Parking Lots A, AA, B, C, D, E
2. Library/Learning Resources Building
3. Child Development Center
4. Track & Field Improvements
5. Warehouse
6. Library Renovation
7. Academic Center
8. Physical Education Renovation
9. Exotic Animal Training & Management (EATM) Facility
10. Health Sciences Complex
11. Conejo Valley Center
12. Arts Complex and Communications Building Remodel
13. Secondary Effects: Applied Arts
14. Technology Building Modernization
15. Student Center (Union) Remodel/Expand
16. Simi Valley Center
17. Infrastructure Update Projects
18. Landscape and Irrigation
19. Parking Projects
20. Expansion of Library/Learning Resources Building
21. Remodel Campus Entrances
22. Retrofit Remaining Buildings for Code Compliance



**A:** Landscape:  
Improve signage and planting at all major entrances and intersections. Upgrade parking lot landscape and provide more evergreen trees for parking lot shade.

**B:** Landscape:  
Provide for student breakout areas with tables and possible exterior wireless lap top connections. Create private small open spaces for outdoor music practices and larger open spaces for student interaction. Vary areas for sun exposure throughout different times of the year. Provide viewing areas with adequate flowering accent trees, benches, and exterior lighting. Design exterior space for possible future outdoor concerts.

**C:** Landscape:  
Provide landscape backdrop planting for transition into the zoo. The new EATM Building shall be landscaped with larger trees to mark an important entrance point to the Zoo and EATM facilities.

**D:** Landscape:  
Enhance the campus loop road and create a Boulevard like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**E:** Landscape:  
Provide more deciduous trees at the entry for winter sun and summer shade. Provide continuous planting along sidewalks and more small seating areas in between buildings.

**F:** Landscape:  
Maintain the open campus feel upon the completion of the Library Remodel. Reinstall adjacent turf and planting areas, restore pedestrian walkways, provide additional planting at the base of the building. The goal of this area is to maintain the visual connection when entering from the northern upper parking lots into the campus.

**G:** Landscape:  
Maintain the open plaza turf space for major student events. Provide seating areas with tables and benches. Create small private student study spaces between the existing buildings. Provide landscape at the perimeter of the Health Science Building and create an accessible entry with planting.

**D:** Landscape:  
Enhance the campus loop road and create a Boulevard-like appearance by improving the signage, lighting, and landscape to provide a consistent standard. Accent trees should be added at major intersections and campus entrances.

**H:** Landscape:  
Provide seating areas under building overhead and additional outside student study areas. Provide handicap access to all seating and gathering areas and maintain the open vista to the lower campus.

**L:** Landscape:  
Provide shade trees and perimeter planting for future parking lots. Provide appropriate lighting for all future parking lots and parking expansions.

**K:** Landscape:  
Provide outdoor seating spaces adjacent to the Gym. Provide a tree-lined pedestrian walkway to connect the Gym with the Field Hockey, Football Field, Lot H, Lot G-2 and PE play fields and tennis courts. The walkway should provide adequate lighting and seating areas.

**J:** Landscape:  
Upon completion of the construction, the project staging area shall be restored to its original state.

**I:** Landscape:  
The CDC building project shall include the adjacent access road as well as the nearby slope south of the Student Center damaged during the course of construction. Provide outdoor tables and seating spaces for students, instructors and parents.

**Landscape Upgrade Zones**

Spencer/Hoskins associates Architects & Planning

Legend:  Existing Buildings  Proposed Building Projects

0 500' NORTH

## LANDSCAPE

**DO NOT PLANT LIST**

TYPE	BOTANICAL NAME	COMMON NAME	REASON FOR FAILURE
<b>GROUNDCOVERS</b>			
	Ajuga reptans	Carpet Bugle	Unsuccessful
	Baccharis pilularis	Coyote Bush	Unsuccessful
	Festuca rubra	Creeping Red Fescue	Hard to maintain
	Festuca species	All fescues	Hard to maintain
	Gazania species	Gazania	Old fashioned and overplanted
	Herdera species	All ivy species	Poisonous and obtrusive
	Opiopogon japonicus	Mondo Grass	Hard to maintain
	Sollya heterophylla	Australian Bluebell Creeper	Unsuccessful
<b>SHRUBS</b>			
	Agave species	Agave species	To hard to maintain, obtrusive
	Bamboo / Sasa species	All bamboo species	To hard to maintain, obtrusive
	Callistemon species	Bottlebrushes	Overplanted on campus
	Camellia species	Camellias	Aphids, mold, thrips
	Centranthus rubrum	Jupiter's Beard	Unsuccessful
	Dondonaea viscosa	Hopseed Bush	Scale, aphids
	Euryops species	Euryops Daisies	Unsuccessful
	Hibiscus species	Hibiscus	Aphids, mold, thrips
	Juniperus species	Juniper species	Old fashioned and overplanted
	Nerium species	Oleander	Oleander scorch
	Photinia species	Photinia	Aphids, mold, thrips
	Pittosporum species	Mock Oranges	Overplanted on campus
	Raphiolepis species	Indian Hawthorn	Overplanted on campus
	Rhododendron species	Azaleas	Aphids, mold, thrips
	Rose	Roses	Keep to established beds
	Xylosma species	Xylosma	Overplanted on campus
<b>TREES</b>			
	Ceratonia siliqua	Carob trees	Filthy
	Citrus	Citrus (all fruit trees, except @ EATM)	Attractive nuisance and filthy
	Eucalyptus species	Blue, Lemon, Paperbark, etc.	Prone to lerr psyllid
	Fraxinus species	Ashes	Aphids and mold
	Ginkgo biloba	Ginkgo	No females
	Jacaranda mimisifolia	Jacaranda	Filthy
	Lagerstroemia indica	Crape Myrtle	Overplanted on campus
	Malus	Apple (all fruit trees, except @ EATM)	Attractive nuisance and filthy
	Pinus canariensis	Canary Island Pine	Overplanted on campus
	Pinus halepensis	Allepo Pine	Overplanted on campus
	Pinus radiata	Monterey Pine	Turpentine & Bore Beetles
	Platanus species	Sycamores	Overplanted on campus
	Populus species	Poplars	Invasive rooting
	Pyrus species	Pear species	Fireblight
	Quercus agrifolia	Coastal Live Oak	Not in lawns
	Schinus species	Pepper trees	Filthy
	Ulmus species	Elms, except Chinese	Fireblight



**Opiopogon japonicus/  
Mondo Grass**



**Sollya heterophylla/  
Australian Bluebell Creeper**



**Agave species/  
Agave species**



**Bamboo/ Sasa species/  
Bamboo**



**Ulmus species/  
Elms**



**Ginkgo biloba/  
Ginkgo**



# LANDSCAPE

## PLANT MATERIAL MATRIX

BOTANICAL AND COMMON NAMES	FLOWERS	THORNS	HEDGE / BARRIER	SPECIMEN FOCAL IN COURTYARDS	IN LAWNS	ALONG WALKS	FOR DRY AREAS	BANK COVER	SCREENING	WINDBREAKS	FULL SUN	PART-SUN & SHADE	FULL SHADE	ATTRACTS BEES	FRUIT, BERRIES, PODS	POISONOUS
<b>TREES (Evergreen / Small to 20 ft.)</b>																
<i>Acacia farnesiana / Sweet Acacia</i>		Y														
<i>Geijera parviflora / Australian Willow</i>																
<i>Laurus nobilis / Grecian Laurel</i>																
<i>Lysiloma thomberi / Featherbush</i>		Y														
<i>Olea europaea "Majestic Beauty" / Fruitless Olive</i>																
<i>Pittosporum phylliraeoides / Willow Pittosporum</i>		Y														
<i>Podocarpus macrophyllus / Japanese Yew</i>																
<i>Prunus caroliniana / Carolina Laurel Cherry</i>		W														
<i>Rhus lancea / African Sumac</i>																
<i>Tecoma stans / Yellow Bells</i>		Y														
<i>Thevetia peruviana / Yellow Oleander</i>		Y														
<b>TREES (Deciduous / Small to 20 ft.)</b>																
<i>Albizia julibrizzen / Silk Tree</i>		P														
<i>Bauhinia forficata / White Butterfly Orchid Tree</i>		W														
<i>Cercidium floridum / Blue Palo Verde</i>		Y														
<i>Cercidium microphyllum / Little-Leaf Palo Verde</i>		Y														
<i>Chilopsis linearis / Desert Willow</i>		M														
<i>Lysiloma thomberi / Featherbush</i>		W														
<i>Melia azedarach / Chinaberry</i>		LP														
<i>Parkinsonia aculeata / Mexican Palo Verde</i>		Y														
<i>Tamarix aphylla / Tamarisk</i>																
<i>Vitex agnus-castus / Chaste Tree</i>		BWP														
<i>Zizyphus jujuba / Chinese Date</i>		Y														
<b>TREES (Evergreen / Medium 20 - 35 ft.)</b>																
<i>Casuarina stricta / Mountain She-Oak</i>																
<i>Cupressus arizonica / Arizona Cypress</i>																
<i>Geijera parviflora / Australian Willow</i>																
<i>Liqustrum lucidum / Glossy Privet</i>		W														
<i>Magnolia grandiflora / Magnolia</i>		W														
<i>Pinus pinea / Italian Stone Pine</i>																
<i>Pinus thunbergiana / Japanese Black Pine</i>																
<i>Prosopis species / Mesquite</i>		Y														
<i>Rhus lancea / African Sumac</i>																
<i>Tamarix aphylla / Tamarisk</i>		WPO														
<i>Ulmus parvifolia "Sempervirens" / Chinese elm</i>																

BOTANICAL AND COMMON NAMES	FLOWERS	THORNS	HEDGE / BARRIER	SPECIMEN FOCAL IN COURTYARDS	IN LAWNS	ALONG WALKS	FOR DRY AREAS	BANK COVER	SCREENING	WINDBREAKS	FULL SUN	PART-SUN & SHADE	FULL SHADE	ATTRACTS BEES	FRUIT, BERRIES, PODS	POISONOUS
<b>TREES (Deciduous / Medium 20 - 35 ft.)</b>																
<i>Albizia julibrizzen / Silk Tree</i>		P														
<i>Cercis canadensis / Eastern Redbud</i>		P														
<i>Chorisia speciosa / Floss Silk-Tree</i>		ORW														
<i>Melia azedarach / Chinaberry</i>		LP														
<i>Morus alba / Mulberry (Fruitless var. only)</i>																
<i>Pistache chinensis / Chinese Pistache</i>																
<b>TREES (Evergreen / Tall 35 - 100 ft.)</b>																
<i>Araucaria bidwillii / Bunya-Bunya</i>																
<i>Casuarina cunninghamiana / River She-Oak</i>																
<i>Cedrus atlantica "Glauca" / Atlas Cedar</i>																
<i>Cedrus deodara / Deodar Cedar</i>																
<i>Chorisia speciosa / Floss Silk-Tree</i>		ORW														
<i>Cupressus sempervirens / Italian Cypress</i>																
<i>Ficus microcarpa / Indian Laurel Fig</i>																
<i>Grevillea robusta / Silk Oak</i>		YO														
<i>Magnolia grandiflora / Magnolia</i>		W														
<i>Pinus pinea / Italian Stone Pine</i>																
<i>Pinus thunbergiana / Japanese Black Pine</i>																
<i>Quercus agrifolia / Coast Live Oak</i>																
<i>Quercus engelmannii / Pasadena Oak</i>																
<i>Quercus suber / Cork Oak</i>																
<b>TREES (Deciduous / Tall 35 - 100 ft.)</b>																
<i>Ginkgo biloba / Ginkgo Tree (male only)</i>																
<i>Pistache chinensis / Chinese Pistache</i>																
<i>Quercus lobata / Valley Oak</i>																
<i>Quercus virginiana / Southern Live Oak</i>																
<i>Robinia ambigua "Purple Robe" / Purple Robe Locust</i>		PP														
<i>Robinia pseudoacacia / Black Locust</i>		W														

# LANDSCAPE

## PLANT MATERIAL MATRIX

BOTANICAL AND COMMON NAMES	FLOWERS	THORNS	HEDGE / BARRIER	SPECIMEN FOCAL PT. IN COURTYARDS	IN LAWNS	ALONG WALKS FOR DRY AREAS	BANK COVER	SCREENING	WINDBREAKS	FULL SUN	PART-SUN & SHADE	FULL SHADE	ATTRACTS BEES	FRUIT, BERRIES, PODS	POISONOUS
<b>SHRUBS (Evergreen / Small to 3 ft.)</b>															
<i>Abelia grandiflora</i> "prostrata" / <i>Prostrate Abelia</i>	W														
<i>Buxus japonica</i> / <i>Japanese Boxwood</i>															
<i>Carissa grandiflora</i> / <i>Natal Plum</i>	W														
<i>Euonymus fortunei</i> / <i>Euonymus</i>															
<i>Justicia species</i> / <i>Mexican Honeysuckle</i>	RO														
<i>Lantana camara</i> / <i>Lantana</i>	W Y O R														
<i>Myrtus communis</i> "Compacta" / <i>Compact Myrtle</i>															
<i>Nandina domestica</i> "Nana" / <i>Heavenly Bamboo</i>	W														
<i>Pyracantha</i> k. "Santa Cruz" / <i>Santa Cruz Firethorn</i>	O														
<i>Santolina chamaecyparissus</i> / <i>Lavender Cotton</i>	Y														
<i>Santolina virens</i> / <i>Green Santolina</i>	Y														

<b>SHRUBS (Evergreen / Medium to 3 - 6 ft.)</b>															
<i>Abelia grandiflora</i> / <i>Glossy Abelia</i>	W														
<i>Atriplex canescens</i> / <i>Saltsage, Chamiso</i>	Y														
<i>Atriplex lentiformis</i> "Breweri" / <i>Brewer saltbush</i>	Y														
<i>Atriplex lentiformis</i> / <i>Quail Bush</i>	Y														
<i>Caesalpinia species</i> / <i>Bird of Paradise</i>	O														
<i>Carissa grandiflora</i> / <i>Natal Plum</i>	W														
<i>Cassia artemisioides</i> / <i>Feathery Cassia</i>	Y														
<i>Cotoneaster lacteus</i> / <i>Red Clusterberry</i>	W														
<i>Elaeagnus ebbingei</i> / <i>Ebbing Silverberry</i>	S														
<i>Leucophyllum frutescens</i> / <i>Texas Ranger</i>	P M W														
<i>Ligustrum japonicum</i> "Texanum" / <i>Texas Privet</i>	W														
<i>Myrtus communis</i> / <i>True Myrtle</i>															
<i>Nandina domestica</i> / <i>Heavenly Bamboo</i>	W														
<i>Osmanthus fragrans</i> / <i>Sweet Olive</i>	O														
<i>Plumbago auriculata</i> / <i>Cape Plumbago</i>	B														
<i>Simmondsia chinensis</i> / <i>Jojoba</i>															
<i>Viburnum tinus</i> "Lucidum" / <i>Dwarf Laurustinus</i>	P														

BOTANICAL AND COMMON NAMES	FLOWERS	THORNS	HEDGE / BARRIER	SPECIMEN FOCAL PT. IN COURTYARDS	IN LAWNS	ALONG WALKS FOR DRY AREAS	BANK COVER	SCREENING	WINDBREAKS	FULL SUN	PART-SUN & SHADE	FULL SHADE	ATTRACTS BEES	FRUIT, BERRIES, PODS	POISONOUS
<b>SHRUBS (Evergreen / Large to 6 ft. + )</b>															
<i>Coccolus laurifolius</i> / <i>Coccolus</i>															
<i>Cotoneaster lacteus</i> / <i>Red Clusterberry</i>	W														
<i>Elaeagnus ebbingei</i> / <i>Ebbing Silverberry</i>	S														
<i>Laurus nobilis</i> / <i>Grecian laurel</i>															
<i>Ligustrum japonicum</i> "Texanum" / <i>Texas Privet</i>	W														
<i>Ligustrum lucidum</i> / <i>Glossy Privet</i>	W														
<i>Olea europaea</i> "Majestic Beauty" / <i>Fruitless Olive</i>															
<i>Platycladus orientalis</i> / <i>Arborvitae</i>															
<i>Pyracantha koidzumii</i> "Victory" / <i>Victory Firethorn</i>	O														
<i>Rhus ovata</i> / <i>Sugar Bush</i>	W														
<i>Syringa persica</i> / <i>Persian Lilac</i>	L														
<i>Viburnum suspensum</i> / <i>Sandankwa Viburnum</i>	P														
<i>Viburnum tinus</i> / <i>Laurustinus</i>	P														
<b>GROUNDCOVERS</b>															
<i>Atriplex semibaccata</i> / <i>Australian Saltbush</i>															
<i>Euonymus fortunei radicans</i> / <i>Trailing euonymus</i>															
<i>Lantana montevidensis</i> / <i>Trailing lantana</i>	L W														
<i>Osteospermum fruticosum</i> / <i>Trailing African daisy</i>	P W														
<i>Pyracantha</i> k. "Santa Cruz" / <i>Santa Cruz Firethorn</i>	O														
<i>Rosmarinus officinalis</i> "Prostratus" / <i>Dwarf rosemary</i>	B														
<i>Teucrium chamaedrys</i> "Prostratum" / <i>Germander</i>	R P W														
<i>Trachelospermum asiaticum</i> / <i>Asian star jasmine</i>	W														
<i>Trachelospermum jasminoides</i> / <i>Star jasmine</i>	W														

### PLANT MATRIX LEGEND

Plant Matrix Legend: (Flower Color)	
Symbol	Color Code
B	Blue
L	Lavender and/or Purple
M	Magenta
O	Orange
P	Pink
R	Red
S	Silvery
W	White
Y	Yellow

by Oasis Landscape Architecture and Planning

## LANDSCAPE

### CAMPUS LANDSCAPE AND PLANTING INFORMATION FOR SITE ASSESSMENT AND VISIT

#### \*\*Available for Design Professional's Review

\_\_ Campus Site Plan (2004 Master Plan) – Review the exact phasing and phased areas to determine the impact on the current scope of work. Take note of all construction staging areas. Include these areas in those phases.

\_\_ Centralized Controller Master Plan

\_\_ Planting Plan (Master Plan As-built)

\_\_ Irrigation Plan (Master Plan As-built)

\_\_ Demolition Plan (Proposed)

\_\_ Existing Utility Plan

\_\_ Aerial Survey, Topography Maps and/or Grading Plan (with field-shot elevations taken at existing trees)

\_\_ Soils Map and Types

\_\_ Drainage Systems

\_\_ List of Inherent Site Plant Diseases and Pests (insects, rodents, fungi, etc.)

\_\_ Water Availability, Pressure and Tests

\_\_ Soil Tests

\_\_ Site Photos of the Construction Site

#### PLANTING PLAN

\_\_ It is mandatory for the Landscape Architect to walk the campus to get the “feel” of the existing landscape and observe first-hand those plants that are thriving and those which are not. Inspect all trees to remain or be removed. Visually review the scope and impact of the proposed project.

\_\_ For planting selections, refer to the Moorpark College Plant Matrix, pages 83-84. Additional and alternative plant selections and suggestions are

encouraged. The Matrix shall be expanded based on newly-identified plant performance.

\_\_ Refer to the Do Not Use Plant List, page 82 for plants to avoid.

\_\_ To conserve water, backfill amendments and mulching of individual plants and planting beds shall be utilized throughout.

\_\_ Contact the M&O Director, Mr. John Sinutko at Phone:(805) 378-1454 Fax: (805) 378-1593 for answers to questions and to gather additional information.

\_\_ To discourage plant diseases and mortality rates, planting bed themes should display a variety (heterogeneous) rather than a mass (homogeneous) planting of one type of plant.

\_\_ “Standard” themes (eq. Raphs, Pittosporum, Gazania, Agapanthus, Daylilies, etc.) are discouraged.

\_\_ Plants that will climb, overlap eaves, have inherently shallow and/or invasive roots, excessive branch, fruit and/or litter drop, are poisonous and disease prone are discouraged.

\_\_ Evergreen shrubbery (flowering or not) is encouraged

\_\_ Deciduous and/or evergreen trees are encouraged

\_\_ Deciduous trees should be used in middle of lawns.

\_\_ Tree canopies shall not overlap hardscapes.

\_\_ Theme will reflect a clean appearance.

\_\_ Plant theme overall must display continuity throughout the campus. However, using a variety of “new” plants is encouraged.

\_\_ Turf will be used in large, generally level areas, as this allows for additionally-needed and usable space. Maintenance is also decreased.

\_\_ Plant material selections must reflect the ability to survive high wind and heat, possible foot traffic, and dusty conditions.

\_\_ Selective native plant material shall be approved by campus staff prior to use.

\_\_ Plant selections shall be drought tolerant, when and where possible.

\_\_ Master-planting in each hydro-zone shall reflect matched precipitation irrigation requirements, (i.e., no water-loving plants shall be planted in a drought tolerant plantings and vise-versa.)

\_\_ Discuss all plant selections with campus grounds maintenance director prior to final design decisions. Refer to the LANDSCAPE DESIGN APPROVAL LIST, pages 83-84-for systematic approval of planting plan.



## LANDSCAPE

### IRRIGATION UPGRADES

The existing irrigation system has been upgraded numerous times throughout the development of the campus. The result is a fragmented system that presents difficulties for the maintenance personnel and creates inconsistencies with the equipment and controllers. The graphic proposal on the opposite page will provide various loops controlled by new, upgraded or existing controllers that will manage determined areas.

The implementation of this system could be phased into the development of each project, but should look at this plan to understand the overall intent and how it affects each individual project. In addition, page 60 provides specific information for irrigation equipment.

- A:** Replace stand alone clock, and add new 48 station controller. Connect back to the M&O building. Add flow sensor and master valves.
- B:** Replace stand alone clock, and connect to new 48 station controller at the M&O building.
- C:** Stub water and wires for Zoo area off EATM.
- D:** Replace existing stand alone clock, and add a 48 station clock .
- E:** Add new flow sensor and master valve and connect to existing controller.
- F:** Add wire drops for future parking lot irrigation.
- G:** Enlarge mainline and backflow device. Add flow sensor and master valve connecting to music building clock.
- H:** Add wire to HSS Building.
- I:** Split irrigation point of connection (2 back flows). Add flow sensors and master valves for both back flows, and existing controllers.

**J:** Upsize proposed controller from 24 stations to accommodate adjacent existing valves.

**K:** Replace stand-alone clock, and connect to new 48 station at CDC.

**L:** Add flow sensor and master valve, and connect to existing controller.

**M:** Upgrade existing clock with 48 station and connect to flow sensor and master valve.

**N:** Connect valves to new 48 station controller at the CDC Building.

**O:** Install new 48 station controller at CDC Building to replace the existing 12 station at the Student Center.

**P:** Replace existing stand-alone clocks and add single 48 station clock, and connect to flow sensor master valve.

**Q:** Add phone line off Gym.

**R:** Wire drops and landscape stub outs for frontage.



Quad are set up for graduation commencement



Garden and lawn arrangement at the center of campus



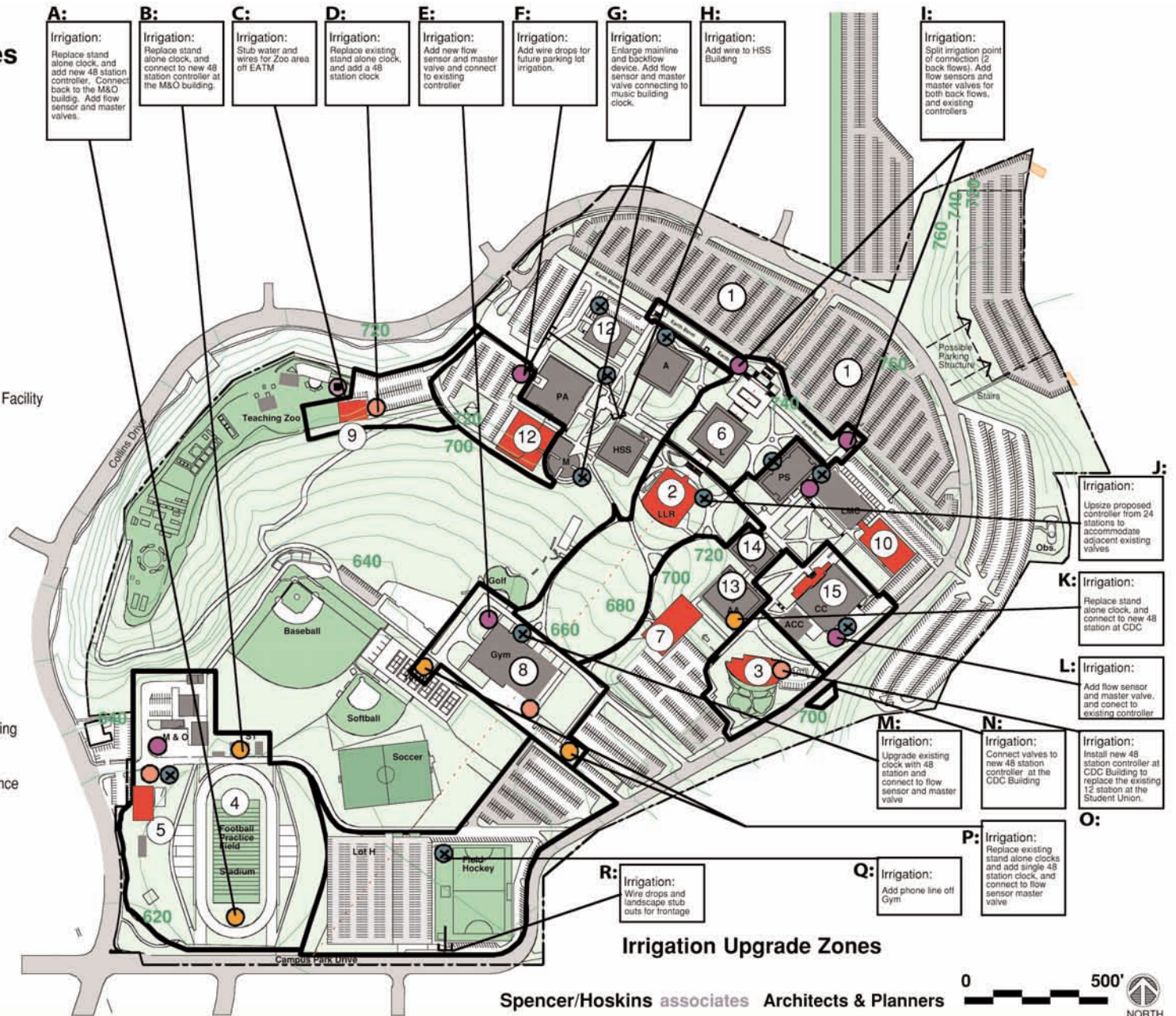
Landscape Area Southwest of the P-Building



**Moorpark College  
2005-2015 Facilities  
Master Plan  
19,000 Student Campus**

**Bond Projects**

1. Parking Lots A, AA, B, C, D, E
2. Library/Learning Resources Building
3. Child Development Center
4. Track & Field Improvements
5. Warehouse
6. Library Renovation
7. Academic Center
8. Physical Education Renovation
9. Exotic Animal Training & Management (EATM) Facility
10. Health Sciences Complex
11. Conejo Valley Center
12. Arts Complex and Communications Building Remodel
13. Secondary Effects: Applied Arts
14. Technology Building Modernization
15. Student Center (Union) Remodel/Expand
16. Simi Valley Center
17. Infrastructure Update Projects
18. Landscape and Irrigation
19. Parking Projects
20. Expansion of Library/Learning Resources Building
21. Remodel Campus Entrances
22. Retrofit Remaining Buildings for Code Compliance



**Legend:** ● New Clocks (48 stations) ● Stand Alone Clocks ● Shut Off ● Back Flows ● RM-DX Rain Master Clocks ● Existing Buildings ● Proposed Building Projects

## LANDSCAPE

### CAMPUS IRRIGATION INFORMATION FOR SITE ASSESSMENT AND VISIT

#### IRRIGATION PLAN

-Place IRRIGATION BACKGROUND DESIGN DATA, (see page 90 for template) on final irrigation plan verifying the following information:

-On-site water pressure (static and working)

-PSI info provided and verified

-By whom and dates provided

-On-site water line size, pipe type and location(s)

-Mainline inspection(s) and dates

-Review interfacing (phased) irrigation system(s) with maintenance staff.

-Temporary disconnections and/or re-routing of any interim irrigation mainlines and/or system(s) shall be clearly delineated on the plan, both as notes, as well as diagrammatically. The intent will be clearly indicated that those lines temporarily re-routed shall be either re-connected to provide continued permanent service, or be abandoned as per plan intent.

-Determine per the irrigation master plan phasing that those controllers to be replaced and/or added, have been clearly depicted as such.

-Verify that all master shut-off valves and/or flow-sensors will be, or are provided for in a particular phase and are separated between the individual controllers and water points of connection.

-All irrigation systems shall be designed for reclaimed water use, utilizing non-potable / purple pipe and associated hardware.

-Recycled water and irrigation systems shall be designed to meet and/or exceed all local and/or state codes.

-Hydro zone water use calculations

-Irrigation system valves and water-zone areas shall be depicted using matrixes on standard forms on the final irrigation plan(s)

-Irrigation water allowance calculations shall be noted.

-Irrigation signage on campus (to educate the student-body & public regarding reclaimed water use)

-Irrigation system tie-in to future phases shall be depicted.

-Establish a water budget as it relates to the over-all campus master irrigation plan.

-Irrigation water allowance calculation (See attached irrigation water calculation sheet.)

-Irrigation equipment: Refer to Moorpark College Grounds Department "Irrigation Standardization" list, updated November 14, 2003. Utilize as listed.

-Provide for winter freezing protection of backflow device(s)

-Provide lockable cage(s) for protection of backflow device(s)

-Note all (POC's) point of connections and water pressure (static and working)

-Master-irrigation plan shall reflect for each planting area matched precipitation irrigation requirements, (i.e., no water-loving plants shall be planted in a drought tolerant plantings and vise-versa)

#### Landscape Construction Development Plan

-Establish a phased work perimeter. Note on the plans to fence or cordon off specimen trees or plants and/or areas to remain undisturbed during construction. If desirable area(s) are, or will be impacted, mitigation measures shall be noted and/or depicted on both the irrigation and planting plan, defining the complete restoration to same. (Reference Pre-Construction Site Pictures)

-The landscape contractor for each and any phase shall be responsible for all on-going plant maintenance of the existing landscape within the phased scope of work boundaries, as well as any job related "construction staging area(s)". Said work shall include, but not be limited to the following: mowing, watering, pruning, fertilizing, and pest control as necessary to maintain the existing landscape to campus standards. The existing landscape maintained under this note, shall be returned to campus jurisdiction in as good or better condition than prior to construction activities. Site photographs and job walks shall be conducted to memorialize site conditions prior to construction. Upon approval and acceptance of the existing landscaped area(s) by the Project Architect and campus M&O Director, the campus shall immediately resume maintenance of these areas.

-Upon landscape completion of each phase, the landscape contractor shall maintain the newly installed landscape for the period noted in the specifications.

-Existing trees, other plantings and irrigation hardware within the construction and staging area(s) to remain, shall be shown on this LANDSCAPE

CONSTRUCTION DEVELOPMENT PLAN. The final as-built plan(s) shall reflect their inclusion.

-The final grading plan shall interface with previously noted existing plants “to remain”. No cut and/or fill at existing trees and/or shrubs within canopy driplines, labeled to remain shall take place.

**Details & Specifications**

-Refer to District’s Standards, page 90

**AS-BUILT PLANS STANDARDS GUIDELINES**

-Irrigation Controller Charts: Final irrigation chart shall depict all hydrozones for each controller with a separate color. Chart(s) shall be clearly defined, easily read and hermetically sealed within 20 mil thick plastic for water-proofing. The plan/chart shall be reduced to either fit easily within the controller itself, or be installed within a separate waterproof, keyed containment box, provided and mounted on the controller pedestal or on a wall adjacent to same. Clearly define the box as the location for the Irrigation Controller Chart.

-Pre-construction, construction, and post-construction photo-booklet.

-Verify that all plants labeled “to remain” are in good condition at the completion of construction.

-Verify that all drainage problems have been remedied.

-The Landscape Contractor is to submit the following irrigation mainline and wire routing as-built information on a clean final field as-built plan, provided by the Landscape Architect. The Landscape Architect shall CAD draft the final information submitted by the Landscape Contractor for final submittal to the Architect and/or College as requested. All submitted CAD information shall be per the district’s standards.

**-Minimum As-built Field Information Required:**

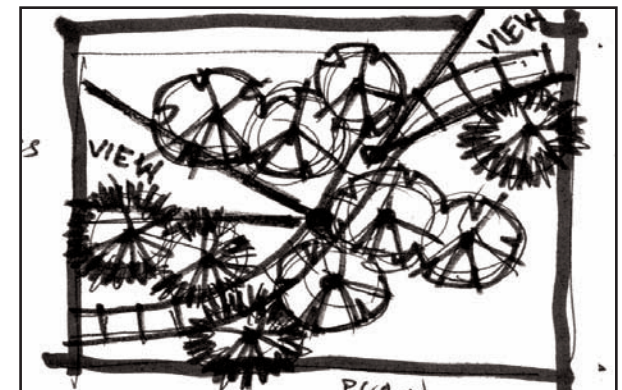
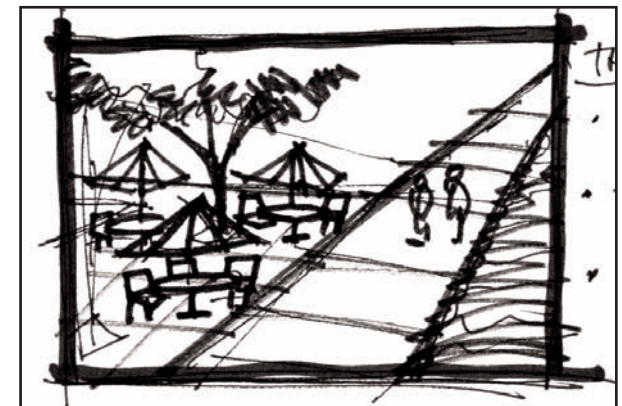
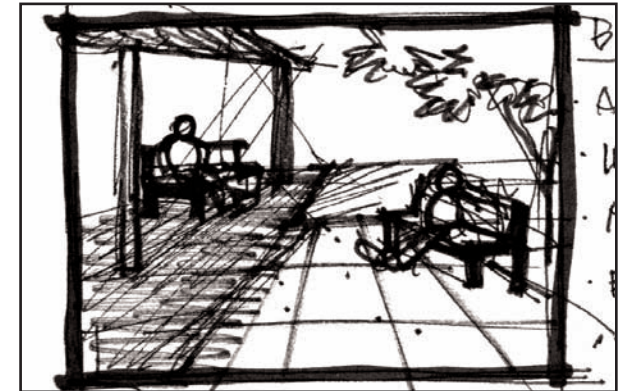
The following shall be located by triangulating from a minimum of (2) two permanently fixed points, submitted, and recorded as noted above:

- All valves and/or manifolds
- Boxes (eq. isolation valves / wire splices, etc.)
- Controllers
- Moisture sensors
- Backflow devices
- Points of connection
- Mainline & wire runs / directional changes
- Sleeve locations / hardscape under crossings

-Upon final walk-through with the Landscape Architect, and a Rainmaster representative shall approve all controllers and connections. Sign and date IRRIGATION BACKGROUND DESIGN DATA box acknowledging approval. See page 90.



Central quad during graduation setup



Sketch design for walkways with proposals for sitting areas, and planting

# IRRIGATION LIST

ITEM	MANUFACTURER	MODEL NUMBER	NON-POTABLE
Automatic Controller (Include flow-sensor and master valve connection per clock)	Rainmaster	Evolution DX2 Hardline or cell com line SS Enclosure	n.a.
Backflow Preventer	Febco	825/825YA Galvanized pipe assembly	Tag
Electric Valves	Rainbird	EFB-CP KBI BTU-T upstream King Bros./3M Connectors	NP-HAN
Electric Valve Boxes	Applied Engineering	1320-1G2G with extensions (traffic rated, locking lids)	1L2L Lavender
Isolation Valves	American AVK	Gate valve with 2" square handle (at mains/sub-mains) in 12" round traffic rated box	Tag Lavender
Control Wire		14 ga.-600v. direct burial (min.) White common, black lead	n.a.
Spray Sprinklers	Rainbird	1800 series (SAM-PRS)	NP-Cover
Rotary Sprinklers	Rainbird Hunter	Talon PGM, PGP, I-10, I-20, I-40	n.a. R
Slopes	Toro	300 series	n.a.
Impact Sprinklers	Rainbird	Cast iron/brass assembly	n.a.
Mainline/Lateral Pipe	Various	Sch.40 PVC	Purple
Fittings	Various	Sch.80 PVC (Sch.40 Galv. where specified)	n.a.
Sprinkler Risers	Various	Sch.80 PVC (triple-swing joint for pop-ups)	n.a.
Quick Coupler Valves	Rainbird	33DLRC (10" round traffic rated box)	33DNP Lavender
Flow Sensor	Data Industrial	IR-220P	n.a.

**LANDSCAPE DESIGN APPROVAL LIST:**  
Place on Construction Document Cover Sheet (sample template)

Description	Information	Approval / Personnel	Authorized Signature(s)	Date(s)
SUBMITTAL DESIGN PHASE	Project: Location: Phase:	____ Grounds ____ Maintenance ____ Architect	_____ Sign _____ Title	Submitted: / /
DESIGN DEVELOPMENT PHASE	NOTES:	____ Grounds ____ Maintenance ____ Architect	_____ Sign _____ Title	Submitted: / /
CONSTRUCTION DEVELOPMENT PHASE	NOTES:	____ Grounds ____ Maintenance ____ Architect	_____ Sign _____ Title	Submitted: / /
DSA BACKCHECK FINAL	NOTES:	____ Grounds ____ Maintenance ____ Architect	_____ Sign _____ Title	Submitted: / /

**IRRIGATION BACKGROUND DESIGN DATA** Place on Irrigation Plan (sample template)

Description	Information	Authorized Personnel	Authorized Signature(s)	Date(s)
IRRIGATION PRESSURE VERIFICATION	Pipe Type Location: _____ inches _____ _____ PSI Static PSI Working PSI	____ City of Moorpark ____ Campus Maint. Personnel ____ Fire Dept. ____ Other	_____ Sign _____ Title	
REVIEWED IRRIGATION MASTER PLAN			_____ Sign _____ Title	
FINAL IRRIGATION PLAN ACCEPTANCE	NOTES:	____ Campus Staff ____ Landscape Arch't ____ Rainmaster Representative	_____ Sign _____ Title	

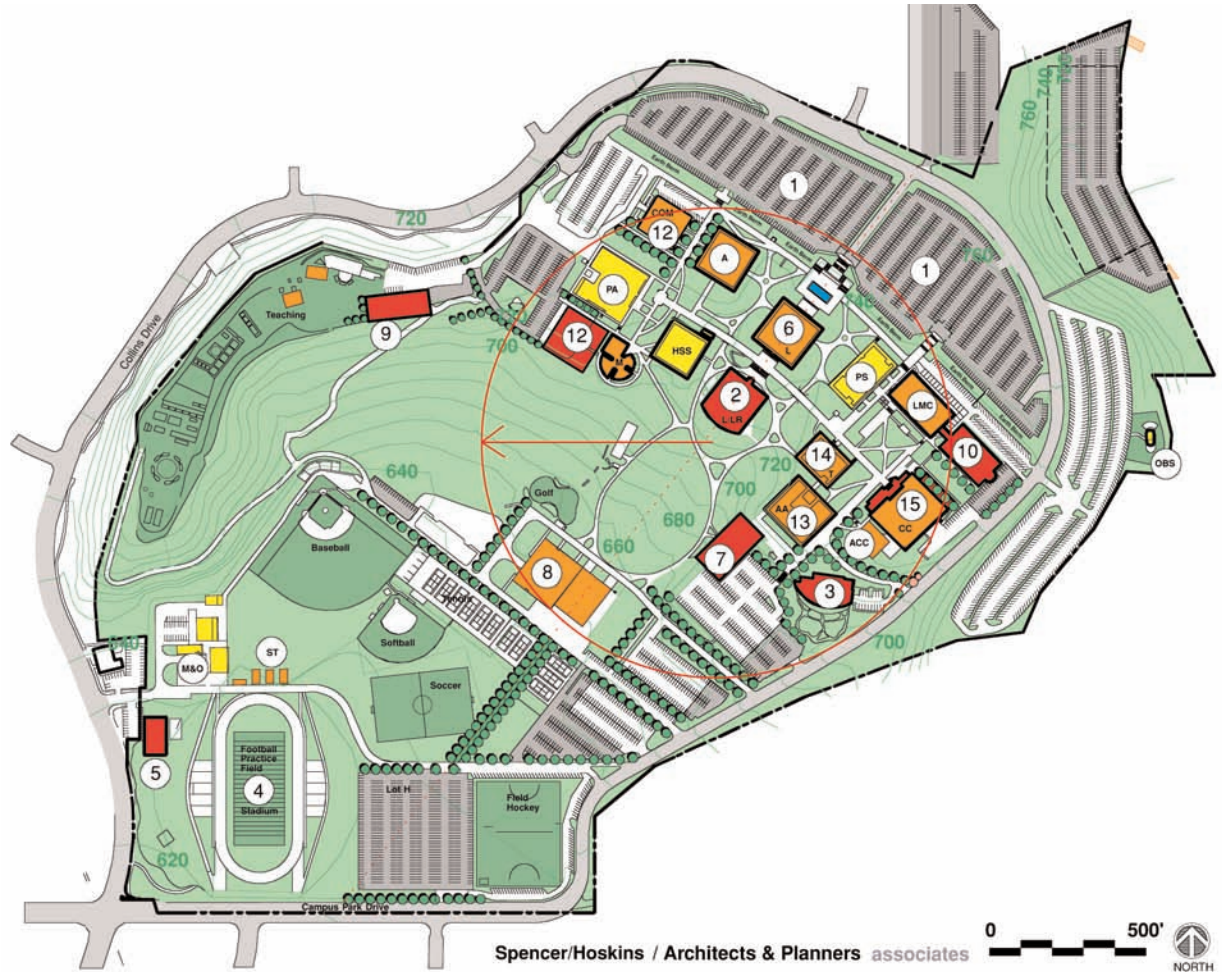


# **Moorpark College Facilities Master Plan 2005 - 2015**

## ***Appendix***

# Moorpark College Facilities Master Plan 2005-2015 - Appendix

This appendix provides information relative to the process of the facilities planning in this document. The following pages contain plans that re-enforce the conceptual ideas and planning principles behind the planning of Moorpark College. The plans provide information critical to the location of future building projects and definition of exterior spaces. Some plans also provide additional planning for pedestrian and vehicular circulation, parking, emergency vehicle access and emergency phone systems, construction phasing and landscape development.



**Legend:** ■ Proposed New Building or Building Remodel ■ Remodeled Buildings ■ Existing Buildings Unaffected  Affected Building to be Remodeled  Additional and Upgraded Parking

Spencer/Hoskins / Architects & Planners associates 0 500' NORTH

**Master Plan Projects**

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>1. Parking Lots A, AA, B, C, D, &amp; E</li> <li>2. Library/Learning Resources Building</li> <li>3. Child Development Center</li> <li>4. Track &amp; Field Improvements</li> <li>5. Warehouse</li> <li>6. Library Renovation</li> <li>7. Academic Center</li> <li>8. Physical Education Renovation</li> </ul> | <ul style="list-style-type: none"> <li>9. Exotic Animal Training and Management (EATM) Facility</li> <li>10. Health Sciences Complex</li> <li>11. Conejo Valley Center</li> <li>12. Arts Complex &amp; Communications Building Remodel</li> <li>13. Secondary Effects: Applied Arts</li> <li>14. Technology Building Modernization</li> <li>15. Student Center (Union) Remodel/Expand</li> </ul> | <ul style="list-style-type: none"> <li>16. Simi Valley Center</li> <li>17. Infrastructure Update Projects</li> <li>18. Landscape and Irrigation</li> <li>19. Parking Projects</li> <li>20. Expansion of Library/Learning Resources Building</li> <li>21. Remodel Campus Entrances</li> <li>22. Retrofit Remaining Buildings for Code Compliance</li> </ul> |
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**Existing Buildings**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>M&amp;O Maintenance &amp; Operations</li> <li>PA Performing Arts Theater</li> <li>A Administration</li> <li>HSS Humanities and Social Sciences Building</li> <li>LMC Life Science and Math Center</li> <li>PS Physical Science</li> <li>T Business and Technology Building</li> </ul> | <ul style="list-style-type: none"> <li>AA Applied Arts Building</li> <li>ACC Student Support</li> <li>GYM Gymnasium</li> <li>ST Stadium Annex Modular Classrooms</li> <li>EATM EATM Program Administration, Storage, and Zoo grounds</li> <li>OBS Observatory</li> </ul> |
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## CAMPUS ORIENTATION

The diagram to the right shows that buildings and open space are placed to reinforce the strong north to south pedestrian promenades transgressing campus. Serving to connect this primary circulation piece to the campus edges are east to west pathways. The north to south and the east to west pathways allows a strong connection between the central open area and the rest of the campus.



**Master Plan Projects**

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|--|--|

# ORIENTATION

Orientation on a campus can be established with the use of access points and information kiosks. The diagram to the right shows the placement of such tools throughout the campus entries. When compared with the previous diagram, it becomes apparent that the pedestrian access points are located at the beginning of the pathways and the campus information kiosks are distributed along these pathways. Visitor information is placed at intersections of vehicular pathways to orient visitors.



**Master Plan Projects**

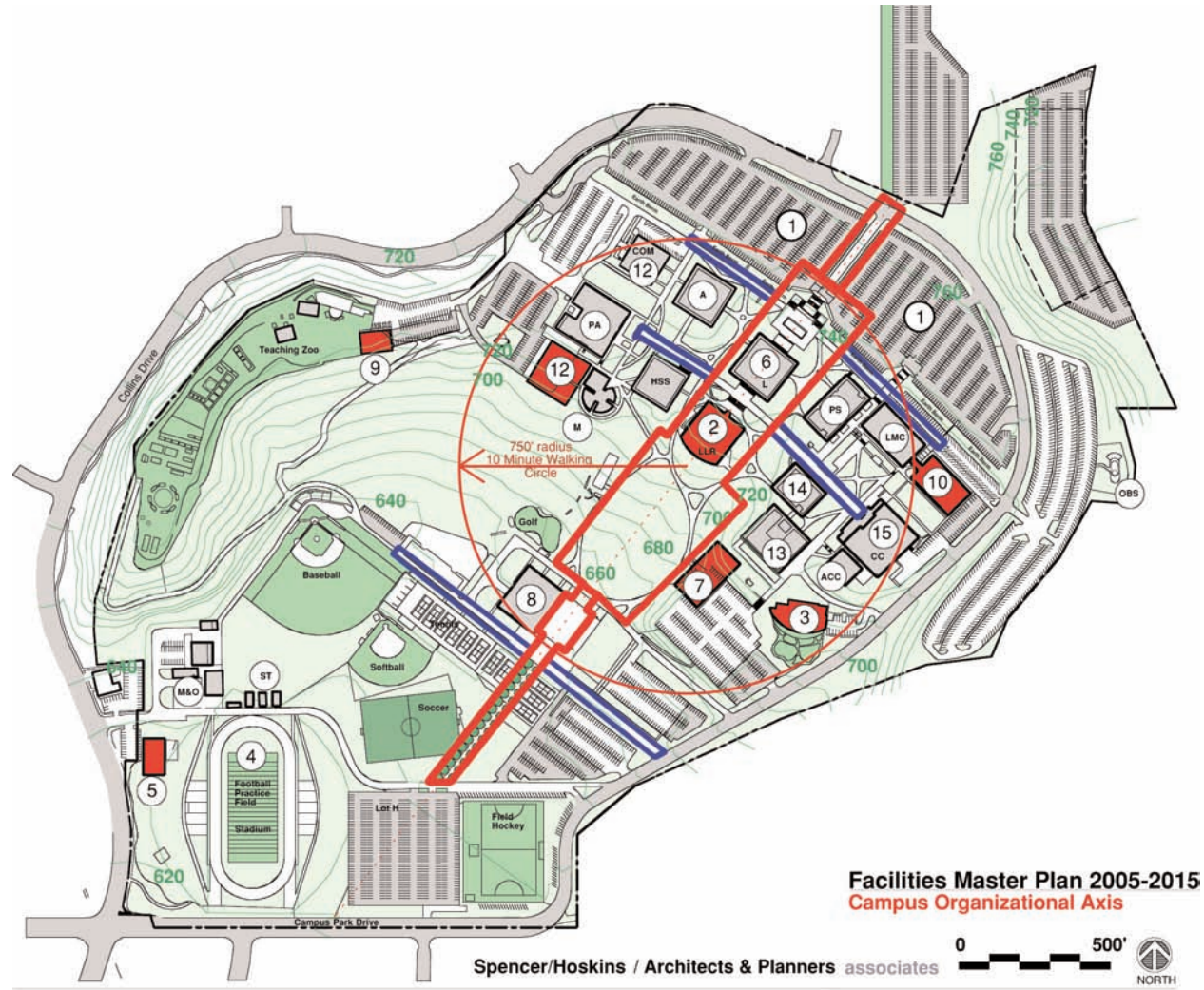
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| T Business and Technology Building          |  |

# CAMPUS ORGANIZATIONAL SPINE

The previously mentioned pathways also serve the function of organizing and holding together the campus. Buildings and open space locations are formed by the strong north to south axis as well as the east to west axis.



Facilities Master Plan 2005-2015  
Campus Organizational Axis

Spencer/Hoskins / Architects & Planners associates



Legend: ■ Proposed New Building  Existing Buildings  Additional and Upgraded Parking

**Master Plan Projects**

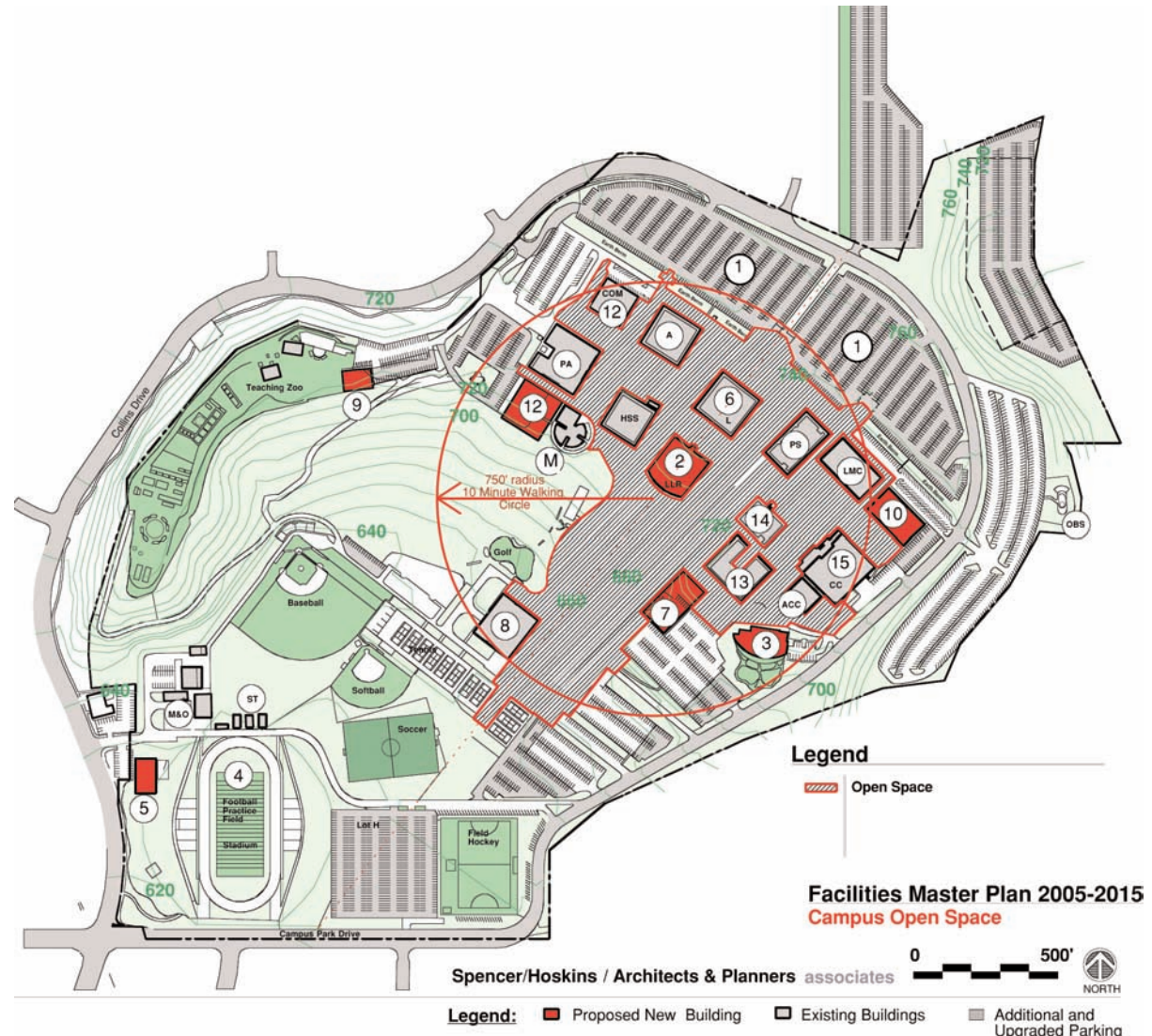
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**Existing Buildings**

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|--|--|
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|--|--|

# CAMPUS OPEN SPACE

The original campus plan allowed the campus density to be balanced between the number of single story buildings, two-story buildings and the definition of exterior promenades and quads. This master plan identifies the importance of the balance and therefore has proposed to use more multiple story buildings, as well as using the edges of the campus and the sloped areas to build and integrate into the overall plan to maintain an acceptable amount of exterior space. The open spaces allow interaction between individuals and groups, provide orientation, and facilitate security by creating clear lines of sight.



**Master Plan Projects**

- |  |  |  |
|--|--|--|
| 1. Parking Lots A, AA, B, C, D, & E    | 9. Exotic Animal Training and Management (EATM) Facility | 16. Simi Valley Center                               |
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**Existing Buildings**

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| T Business and Technology Building          |  |

# PEDESTRIAN CIRCULATION PLAN

The primary pedestrian circulation on campus follows the north to south axis as well as the east to west axes with added circulation from the physical education area at the south end of the campus. The secondary circulation occurs from the various entrances and parking lots at the perimeter of the campus. The tertiary circulation occurs at the campus's edges by pedestrians entering campus or near the football stadium, stadium annex, the field hockey field and the M&O facilities.



**Legend**

- Primary Pedestrian Campus Access
- Primary Pedestrian Circulation Path
- Secondary Pedestrian Circulation Path
- Tertiary Pedestrian Circulation Path

**Facilities Master Plan 2005-2015  
Pedestrian Circulation Plan**

0 500' NORTH

**Spencer/Hoskins / Architects & Planners associates**

**Legend:** ■ Proposed New Building   ■ Existing Buildings   ■ Additional and Upgraded Parking

**Master Plan Projects**

- |  |  |  |
|--|--|--|
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| PS Physical Science                         | OBS Observatory  |
| T Business and Technology Building          |  |

# VEHICULAR CIRCULATION PLAN

Primary vehicular circulation brings cars from the entrances along Campus Park Drive which circles the campus. Campus Park Drive allows adequate distribution of vehicles through the perimeter of the campus and to the existing parking lots. It also provide a complete loop system which relieves congestion at peak times.

Secondary roads are primarily located off the main road at the perimeter and provide primary access to the parking lots. The college has a system of restricted roads throughout the campus and along the sloped hillside for maintenance vehicles. The additional restricted roads allow maintenance and police to access different points of the campus without having to use Campus Park Road during peak traffic times.



**Master Plan Projects**

- |  |  |  |
|--|--|--|
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| T Business and Technology Building          |  |



## PUBLIC TRANSPORTATION

The Transit Center on the west edge of campus near the Communications building provides access to the campus by those using public transportation. With its location and convenient road access, it allows the large constituency of physically challenged and elderly visitors adequate and efficient access to the College.



**Master Plan Projects**

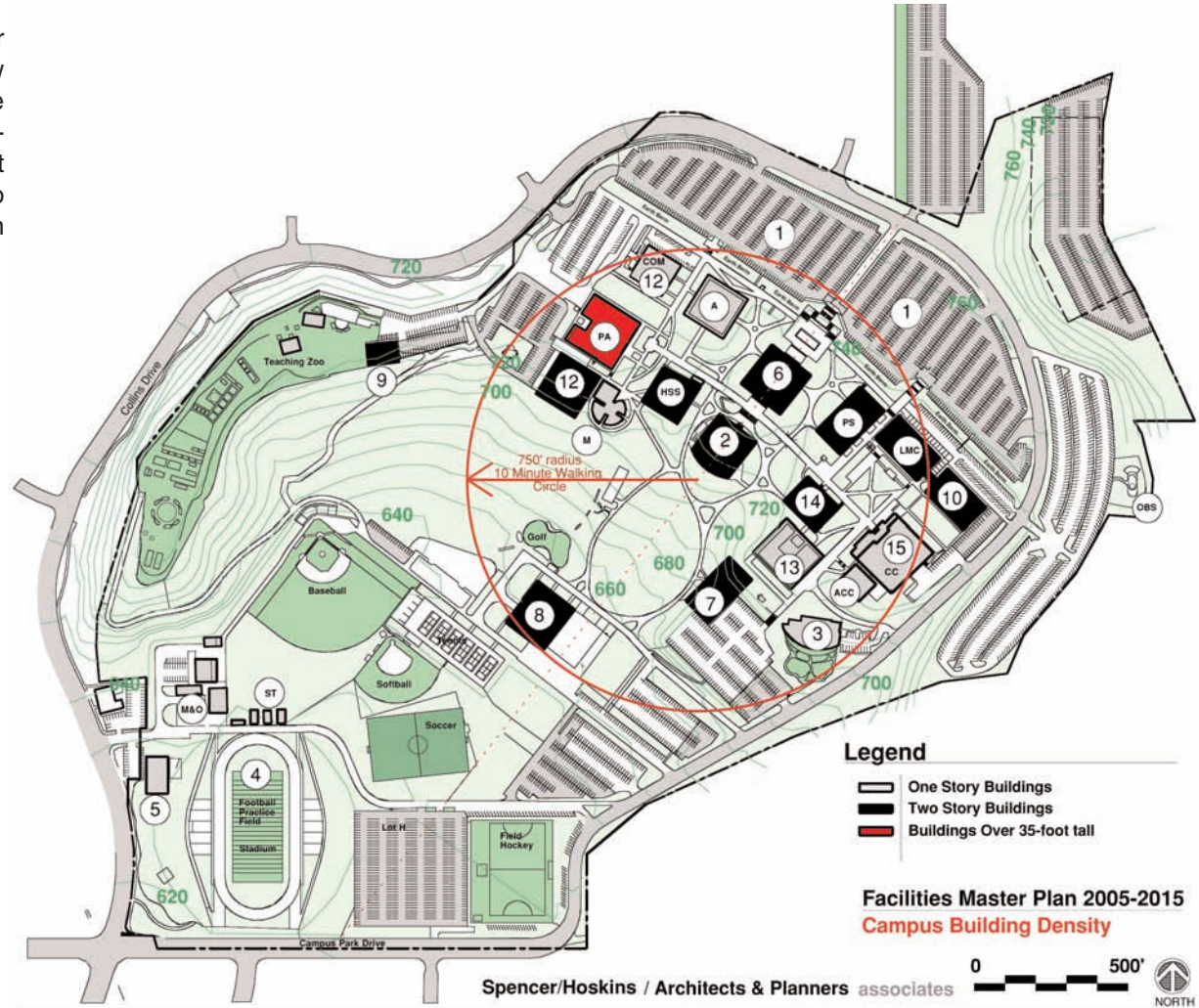
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# CAMPUS BUILDING DENSITY

The college has maintained a successful balance in their density throughout the past four decades. Most new buildings will be multi story with few exceptions to take advantage of the level areas and to maintain a consistency with the existing campus. The image to the right demonstrates a final campus plan with a majority of two story buildings organized around open quads and open pedestrian promenades.



**Master Plan Projects**

- |  |  |  |
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# EMERGENCY VEHICLE ACCESS

Limited access roads from the entrances to the campus core along with Campus Park Drive serve to provide emergency access to most of the buildings. Secondary and restricted vehicular paths, as defined in the previous diagrams, provide access to additional annex portable buildings at the south of campus and to physical education fields and facilities. All new buildings were located to use the existing emergency vehicle access pathways.



**Master Plan Projects**

- |  |  |  |
|--|--|--|
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## EMERGENCY PHONE ACCESS

The diagram to the right shows the open, wide pedestrian pathways that aid in general and handicapped accessibility. The widening of the pathways served to better define the pedestrian circulation throughout campus. It also created an opportunity to incorporate landscape features and lighting along the pathways which creates better quality of space.



Existing emergency call station, parking lot B



**Master Plan Projects**

- |  |  |  |
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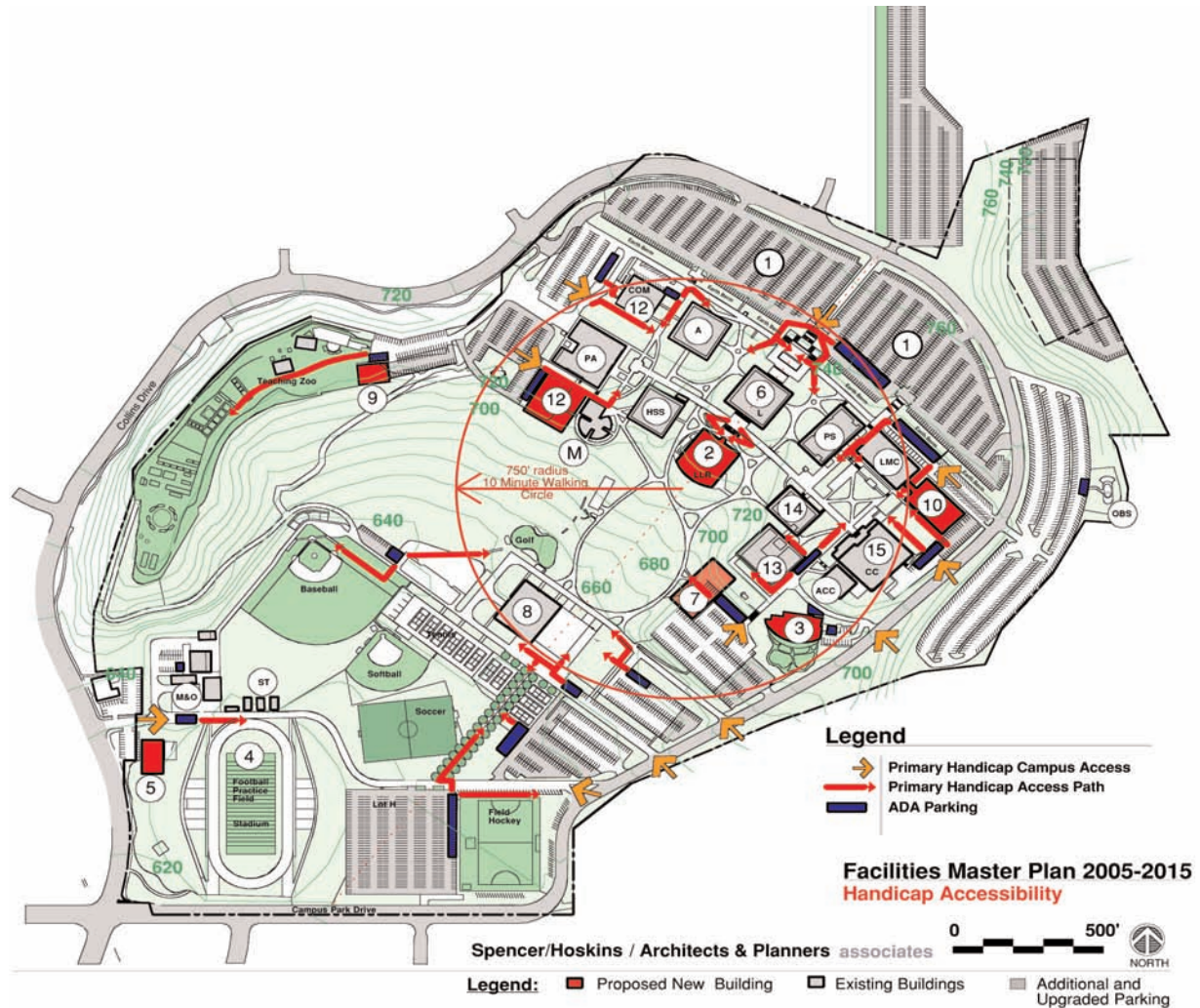
# HANDICAP ACCESS

Moorpark College was constructed on a relatively steep site. This usually presents many problems for accessibility, without the extensive use of ramps and elevators. The college's original planning to provide a loop road with access to perimeter parking and connections between parking areas and the campus core, has made it possible to maintain accessibility to most areas and buildings throughout the campus. The designation of handicapped parking throughout the campus, as demonstrated on the image to the right, also provides adequate accessible parking at every level and facility throughout the campus.

New buildings will continue to provide adequate parking and accessibility. New buildings shall also adhere to new "Universal Design" standards. Existing buildings and site conditions should also be upgraded using universal guidelines where needed. Throughout the planned construction phases of the campus adequate planning and coordinating should take place not to disturb the accessibility to all functioning facilities.



Handicap accessible parking on parking lot B and C



**Master Plan Projects**

- |  |  |  |
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# CONSTRUCTION STAGING PLAN

The diagram to the right shows the various construction staging sites that will be affected by the development of the corresponding building project. Two main concerns, are the phasing of the projects and the affect on students, staff and existing utility infrastructure. The second concern is the loss of parking during the construction of many of the projects. The phasing of new building projects and parking projects will be critical to maintain a good parking ratio with the number of students.

The construction phasing sites located on the map to the right were chosen as close as possible to the building projects and are considered most efficient in providing easy access for construction, freeing up the existing pedestrian and vehicular access and area that should be planned by each individual project to restore the landscape and irrigation.



**Master Plan Projects**

- 1. Parking Lots A, AA, B, C, D, & E
- 2. Library/Learning Resources Building
- 3. Child Development Center
- 4. Track & Field Improvements
- 5. Warehouse
- 6. Library Renovation
- 7. Academic Center
- 8. Physical Education Renovation

- 9. Exotic Animal Training and Management (EATM) Facility
- 10. Health Sciences Complex
- 11. Conejo Valley Center
- 12. Arts Complex & Communications Building Remodel
- 13. Secondary Effects: Applied Arts
- 14. Technology Building Modernization
- 15. Student Center (Union) Remodel/Expand

- 16. Simi Valley Center
- 17. Infrastructure Update Projects
- 18. Landscape and Irrigation
- 19. Parking Projects
- 20. Expansion of Library/Learning Resources Building
- 21. Remodel Campus Entrances
- 22. Retrofit Remaining Buildings for Code Compliance

**Existing Buildings**

- M&O Maintenance & Operations
- PA Performing Arts Theater
- A Administration
- HSS Humanities and Social Sciences Building
- LMC Life Science and Math Center
- PS Physical Science
- T Business and Technology Building

- AA Applied Arts Building
- ACC Student Support
- GYM Gymnasium
- ST Stadium Annex Modular Classrooms
- EATM EATM Program Administration, Storage, and Zoo grounds
- OBS Observatory

# LANDSCAPE PLAN

The diagram to the right shows the plans for landscaping which includes preserving the central green lawn area as well as the quality of open spaces on campus. Additional planting will be provided throughout the open pedestrian access and other open areas to enhance the space. This will include large trees in large open areas. Finally, landscape improvements are needed throughout the campus entrances.



**Master Plan Projects**

- |  |  |  |
|--|--|--|
| 1. Parking Lots A, AA, B, C, D, & E    | 9. Exotic Animal Training and Management (EATM) Facility | 16. Simi Valley Center                               |
| 2. Library/Learning Resources Building | 10. Health Sciences Complex                              | 17. Infrastructure Update Projects                   |
| 3. Child Development Center            | 11. Conejo Valley Center                                 | 18. Landscape and Irrigation                         |
| 4. Track & Field Improvements          | 12. Arts Complex & Communications Building Remodel       | 19. Parking Projects                                 |
| 5. Warehouse                           | 13. Secondary Effects: Applied Arts                      | 20. Expansion of Library/Learning Resources Building |
| 6. Library Renovation                  | 14. Technology Building Modernization                    | 21. Remodel Campus Entrances                         |
| 7. Academic Center                     | 15. Student Center (Union) Remodel/Expand                | 22. Retrofit Remaining Buildings for Code Compliance |

**Existing Buildings**

- |   |   |
|---|---|
| M&O Maintenance & Operations                | AA Applied Arts Building                                  |
| PA Performing Arts Theater                  | ACC Student Support                                       |
| A Administration                            | GYM Gymnasium   |
| HSS Humanities and Social Sciences Building | ST Stadium Annex Administration, Storage, and Zoo grounds |
| LMC Life Science and Math Center            | OBS Observatory   |
| PS Physical Science                         |   |
| T Business and Technology Building          |   |

**ACKNOWLEDGEMENTS: 2003-04 MOORPARK COLLEGE FACILITIES PLANNING PROCESS****STEERING COMMITTEE MEMBERS**

<b>Dr. Eva Conrad</b>	Co-chair, President	<b>Dr. Ruth Hemming</b>	Interim Vice-President, Business Services
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<b>Nabil Abu-Ghazaleh</b>	Dean, Student Learning	<b>Star Hunter</b>	Coordinator, Tech Prep
<b>Dean Adams</b>	Computer Specialist	<b>Dr. Karen Jensen</b>	Coordinator, Health Sciences
<b>Jeanne Bailey</b>	Institutional Advancement Officer	<b>John Keever</b>	Athletic Director
<b>Jeff Baker</b>	Academic Senate Vice-President & Instructor, English	<b>Dr. Dolly Kessner</b>	Instructor, Music
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<b>Dr. Dennis Cabral</b>	Executive Vice-President, Student Learning	<b>Karin Leyba</b>	Administrative Assistant IV
<b>Louise Christener-Hadaway</b>	Executive Assistant, to the President	<b>Linda McDill</b>	Instructor, Sociology
<b>Linda Cravens</b>	Coordinator, Child Development Center	<b>Tim McGrath</b>	Dean, Student Learning
<b>Patti Dozen</b>	Instructor, Learning Assistance, Academic Computing	<b>Fabienne McPhail-Naples</b>	Dean, Student Learning
<b>Dr. Rex Edwards</b>	Instructor, Economics	<b>Sharon Miller</b>	Student Activities Specialists II
<b>Jeff Erskine</b>	Supervisor, Network & Technical Services	<b>Mary Mills</b>	Instructor, Computer Information Systems
<b>Patricia Ewins</b>	Coordinator, ACCESS	<b>Inajane Nicklas</b>	Dean, Student Learning
<b>Deanna Franke</b>	Instructor, Chemistry	<b>Al Nordquist</b>	Interim Vice-President, Business Services
<b>Dr. Judith Gerhart</b>	Dean, Student Learning	<b>Paul Pagson</b>	Coordinator, EOPS
<b>John Gray</b>	Instructor, Photography	<b>Del Parker</b>	Instructor, Physical Education
<b>Debbie Heaslip</b>	Vice Chair – Moorpark College Foundation/President, Alpha Gamma Sigma	<b>Dr. James Peddie</b>	Instructor/ Department Chair, Exotic Animal Training and Management
		<b>Linda Porter</b>	Administrative Assistant III
		<b>LaDonna Righetti</b>	Administrative Assistant II
		<b>Brenda Shubert</b>	Dean, Student Learning
		<b>John Sinutko</b>	Director, Maintenance & Operations



**ACKNOWLEDGEMENTS: 2003-04 MOORPARK COLLEGE FACILITIES PLANNING PROCESS**

<b>Maureen Solheim</b>	Administrative Assistant II
<b>Joan Thompson</b>	Instructor, Music
<b>Gary Wilson</b>	Instructor, Exotic Animal Training Management

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<b>Mark Dombrowski</b>	Grounds Supervisor
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<b>Douglas G. Graham AIA, CDS</b>	The JCM Group, Vice-President
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<b>Raymond L. Juncosta</b>	The JCM Group, Vice-President/Project Estimator

**VCCCD BOND MANAGEMENT**

<b>Dr. Handel Evans</b>	VCCCD Program Director
<b>Leslie Dickey</b>	VCCCD Project Director

**CONSULTANTS**Civil Engineering:

<b>Mohammed Hasan</b>	Hasan Engineers, Principal Civil Engineering Consultant
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Electrical Engineering:

<b>Nestor Ignacio</b>	TMAD Engineers, Principal Civil Engineering Consultant
-----------------------	---

**Miguel Aguirre**

TMAD Engineers, Principal Civil Engineering Consultant
---

Landscape Architect:

<b>Michael L. Cripe, ASLA</b>	Oasis Associates, Inc., Principal Landscape Architect Consultant
-------------------------------	---

**MASTER ARCHITECTS**Authoring Firm:

<b>Stephen Hoskins, AIA</b>	Spencer/Hoskins associate Principal Architect
-----------------------------	--

<b>James Spencer, AIA</b>	Spencer/Hoskins associate Principal Architect
---------------------------	--

<b>Pablo Garcia</b>	Spencer/Hoskins associate Project Designer & Planner
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<b>Claudia Juarez</b>	Spencer/Hoskins associate
-----------------------	---------------------------

<b>Leah Malvar</b>	Spencer/Hoskins associate
--------------------	---------------------------

**ACKNOWLEDGEMENTS: 2005-2015 Facilities Master Plan****VENTURA COUNTY COMMUNITY COLLEGE  
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John Sinutko, Director Maintenance & Operations  
Janeene Nagaoka, Graphic Artist  
Linda Porter, Administrative Assistant  
Dean Adams, Photographer

## Master Architects:

Kristina Hoskins, Spencer/Hoskins associate  
Master Plan Layout/Graphics

## The JCM Group

Richard Jones, Project Manager