

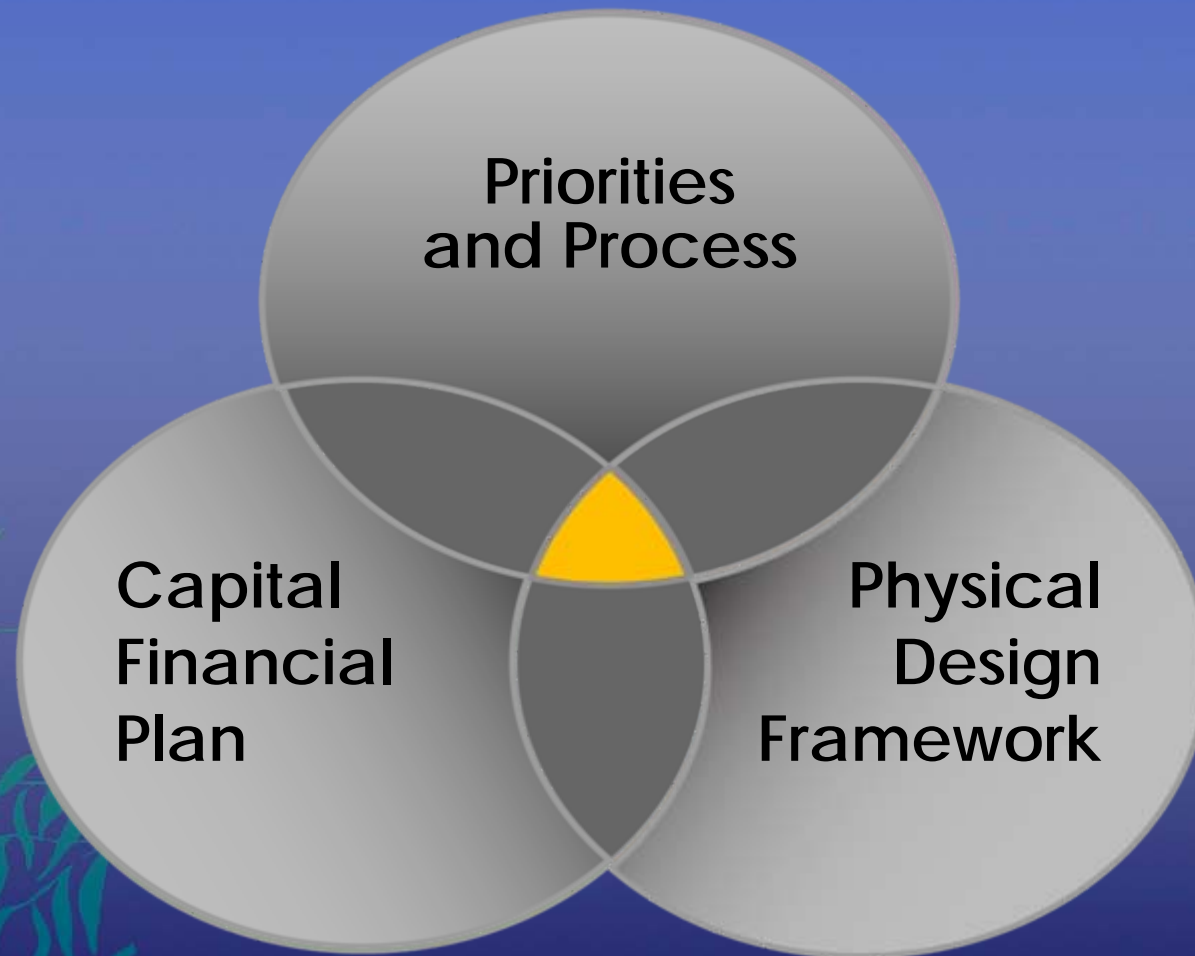


**UC San Diego**  
**Pilot Phase of the**  
**Redesigned Capital Process**

**Committee on Grounds and Buildings**

**March 17, 2009**

# Agenda



# Campus Setting



**“A truly University oriented city, with the natural advantages of climate and site here present, can provide compelling attractions to teachers and students alike.” – City of San Diego (1959)**

# Academic Program



## Academic Affairs

Six Colleges  
Graduate Programs  
Professional Schools  
-International Relations  
-Management

## Health Sciences

Medicine  
Pharmacy  
Medical Centers

## Marine Sciences

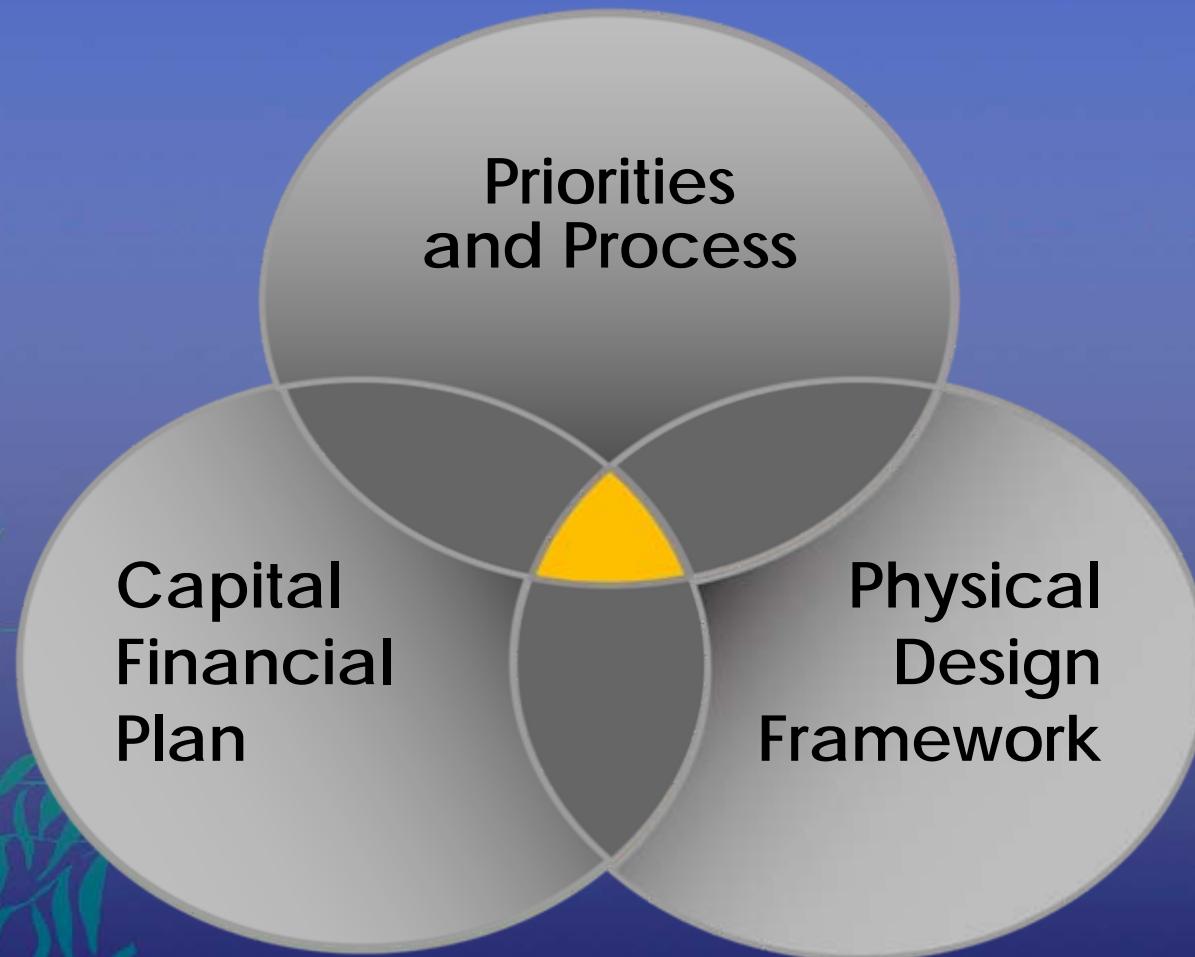
Scripps Institution  
of Oceanography

# Collaborative Campus Process



- Campus/Community Planning Committee
- Design Review Board
- Capital Outlay and Space Advisory Committee
- Planning Advisory Committees
- Building Advisory Committees

# Agenda



# Capital Program Goals

- Address key priorities
  - construct new space
  - modernize buildings and renew infrastructure
- Plan with financial prudence
- Achieve functional and aesthetic goals
- Increase use of sustainable materials and renewable energy, and minimize life cycle costs

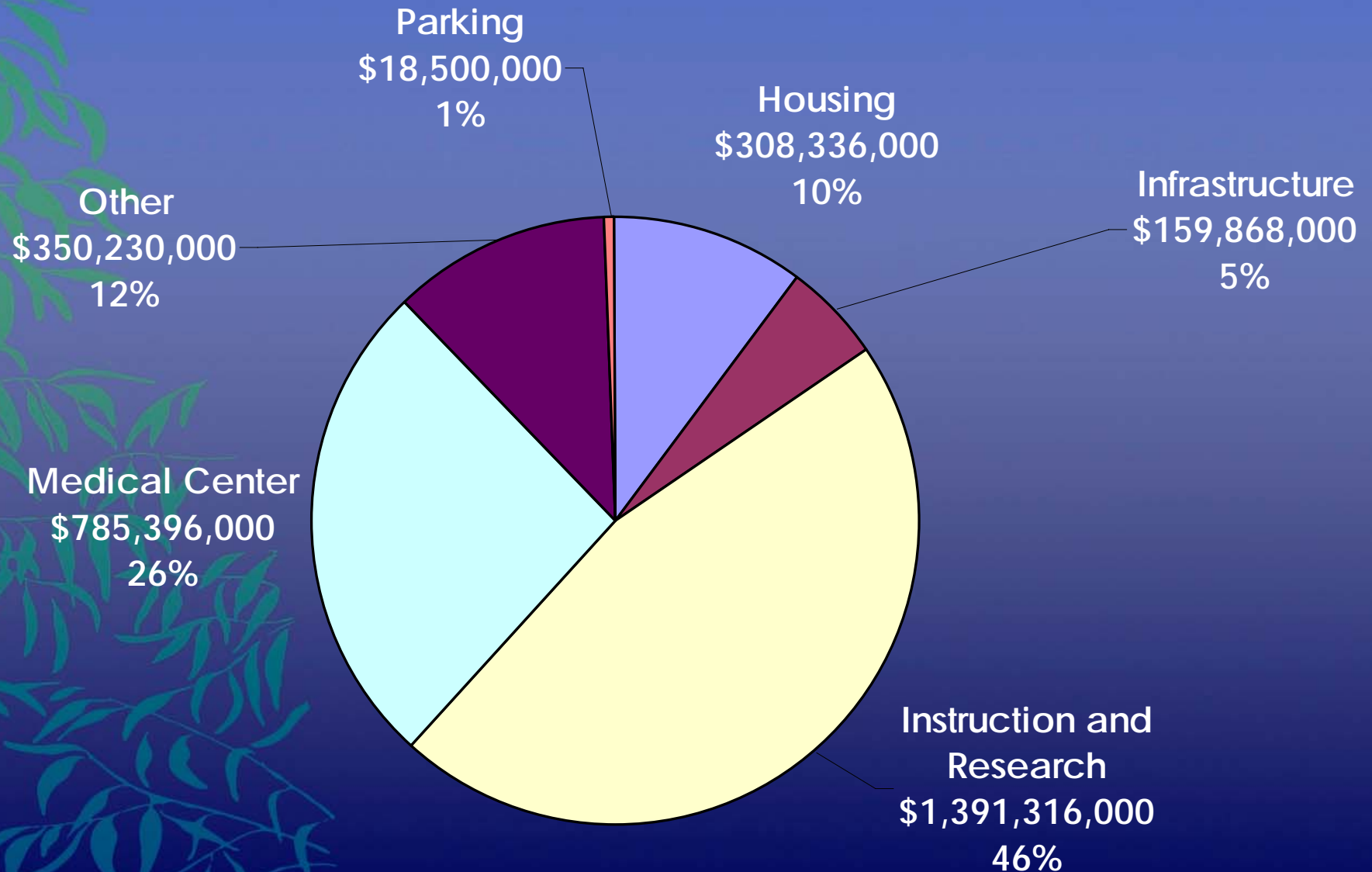
# Capital Financial Plan, 2008-18

- Total Value of \$3.014 Billion
  - \$2.276 billion (or 76%) non-State resources
  - \$738 million (or 24%) State resources



# Capital Financial Plan, 2008-18

## Breakdown by Function



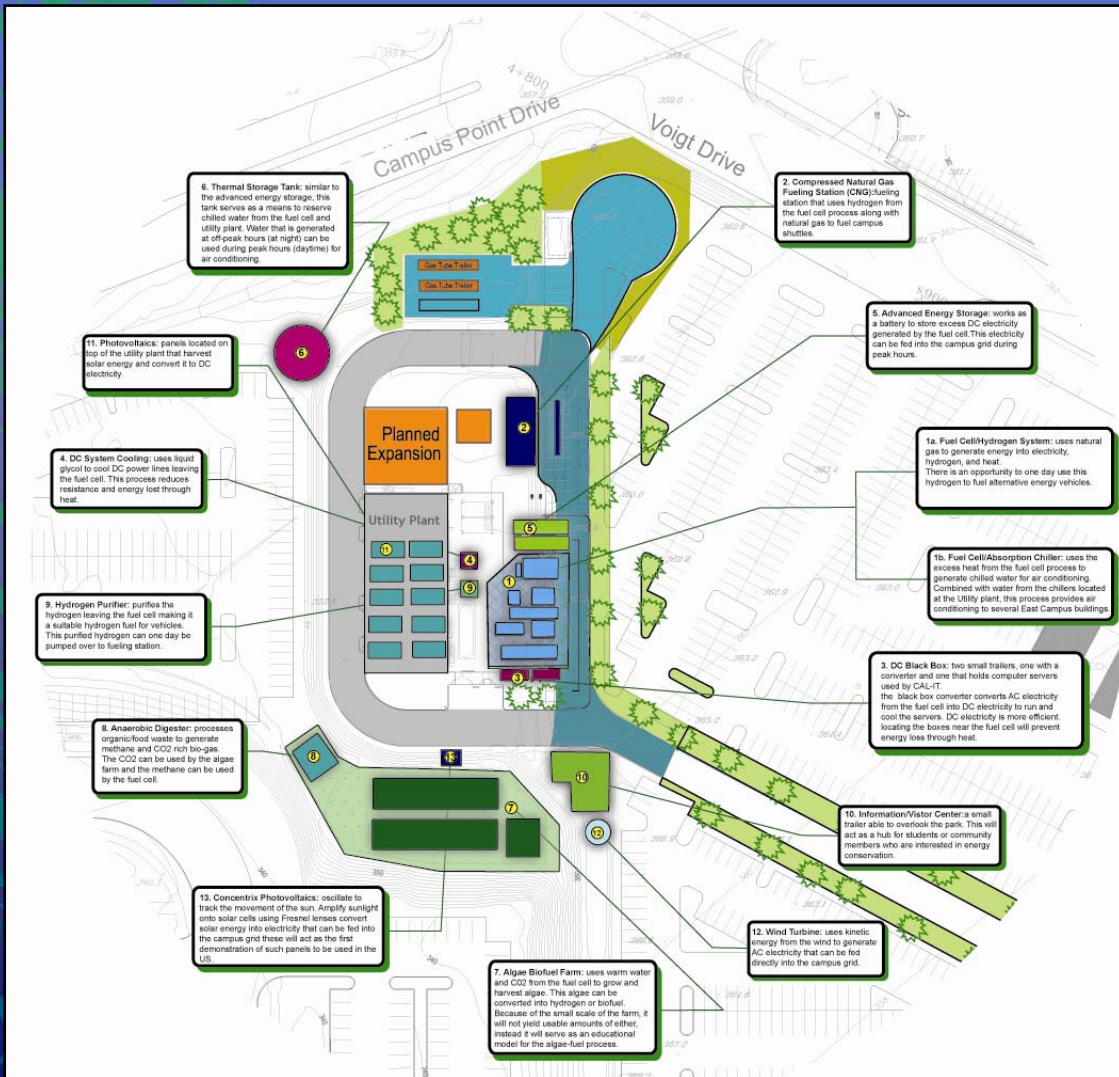
# Capital Financial Plan, 2008-18

- Value By Improvement Type
  - New facilities = \$2.335 billion (or 77%)
  - Renovations = \$ 412 million (or 14%)
  - Infrastructure = \$ 267 million (or 9%)
- External Financing (Total = \$1.223 Billion)
  - Medical Center = \$468 million (or 39%)
  - Academic = \$405 million (or 33%)
  - Housing = \$296 million (or 24%)
  - Infrastructure = \$ 55 million (or 4%)

# Sustainability

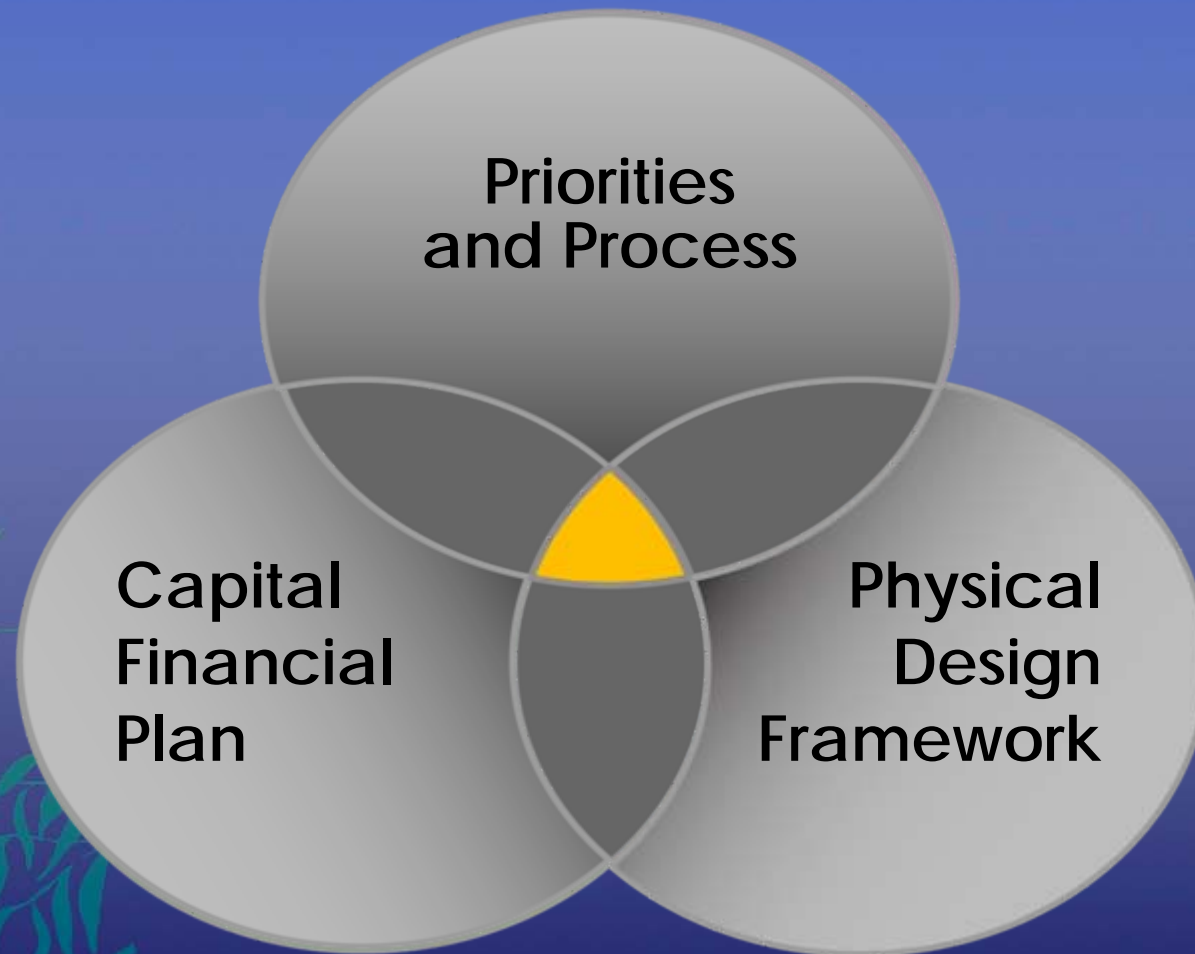
- Conforming with UC Policies
- Implementing Sustainable Buildings
  - Cool roof system
  - Displacement ventilation system
  - Naturally ventilated office modules
  - Photovoltaic infrastructure
  - Ultra low flow plumbing fixtures
- Advancing Energy Initiatives
  - Fuel Cell
  - Compressed Natural Gas Fueling
  - Algae Biofuel Farm
  - Photovoltaics
  - Wind Turbine

# Energy Park



1. Fuel Cell
  - Hydrogen System
  - Absorption Chiller
2. Compressed NG Fueling
3. DC Black Box
4. DC System Cooling
5. Advanced Energy Storage
6. Thermal Storage Tank
7. Algae Biofuel Farm
8. Anaerobic Digester
9. Hydrogen Purifier
10. Information/Visitor Center
11. Photovoltaics
12. Wind Turbine
13. Concentrix Photovoltaics

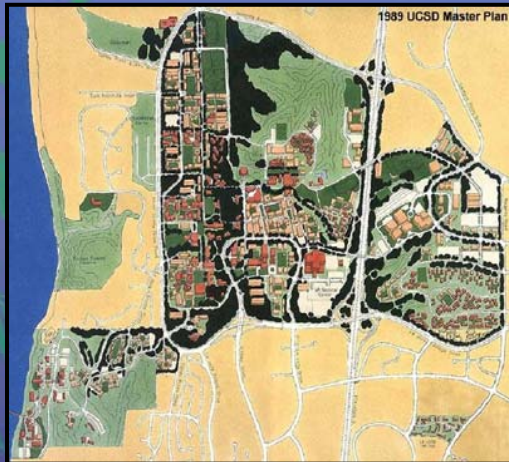
# Agenda



# Hierarchy of Physical Plans



2004 LRDP



1989 Master Plan Study



Neighborhood Studies

Program Level

General Land Use Plan

Macro Level

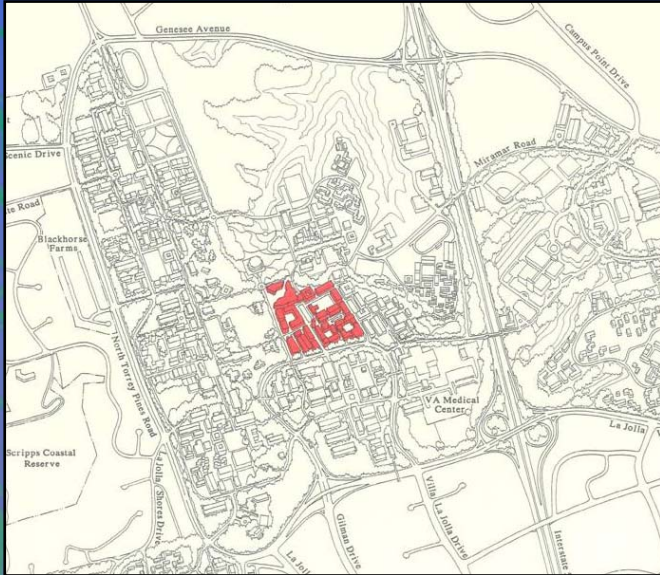
“Soaring Vision”

Five Guiding  
Planning Principles

Micro Level

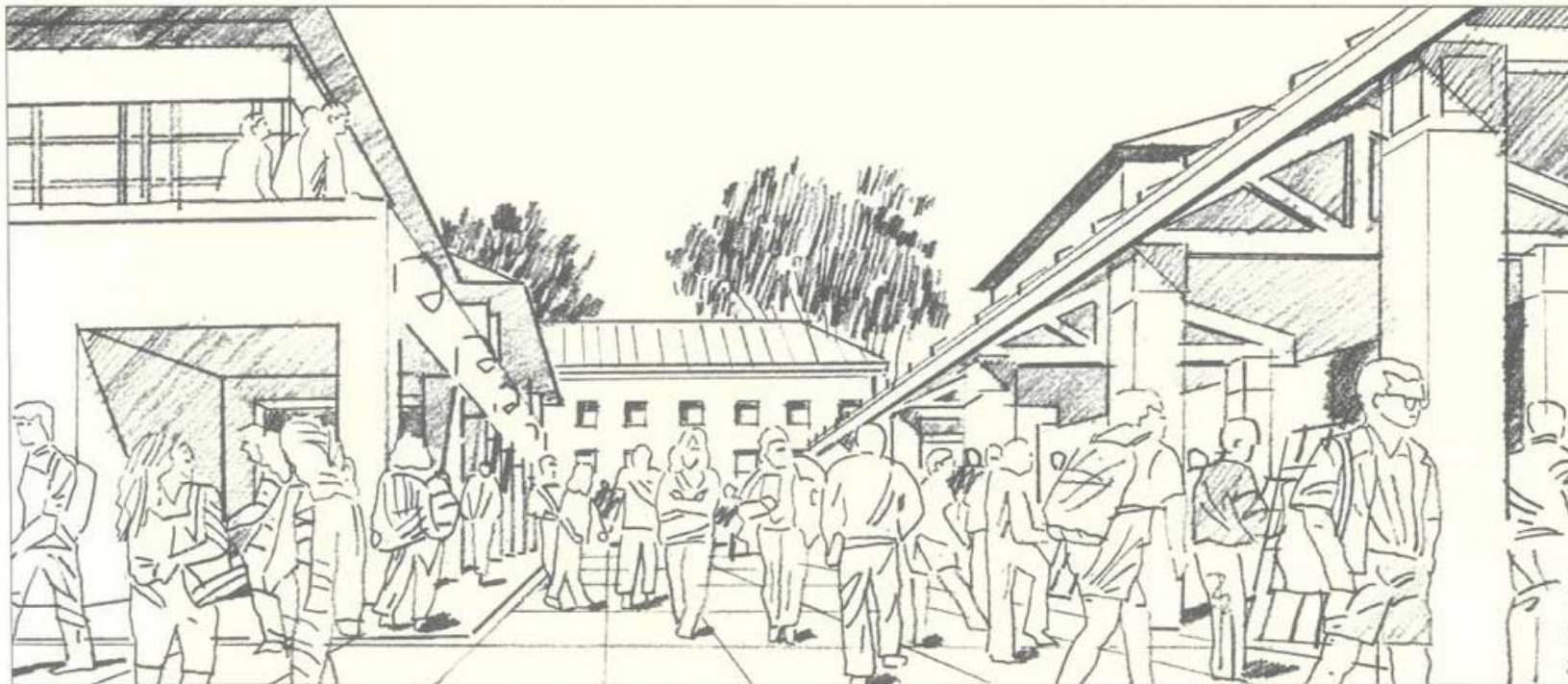
Design Guidelines

# University Center Principle



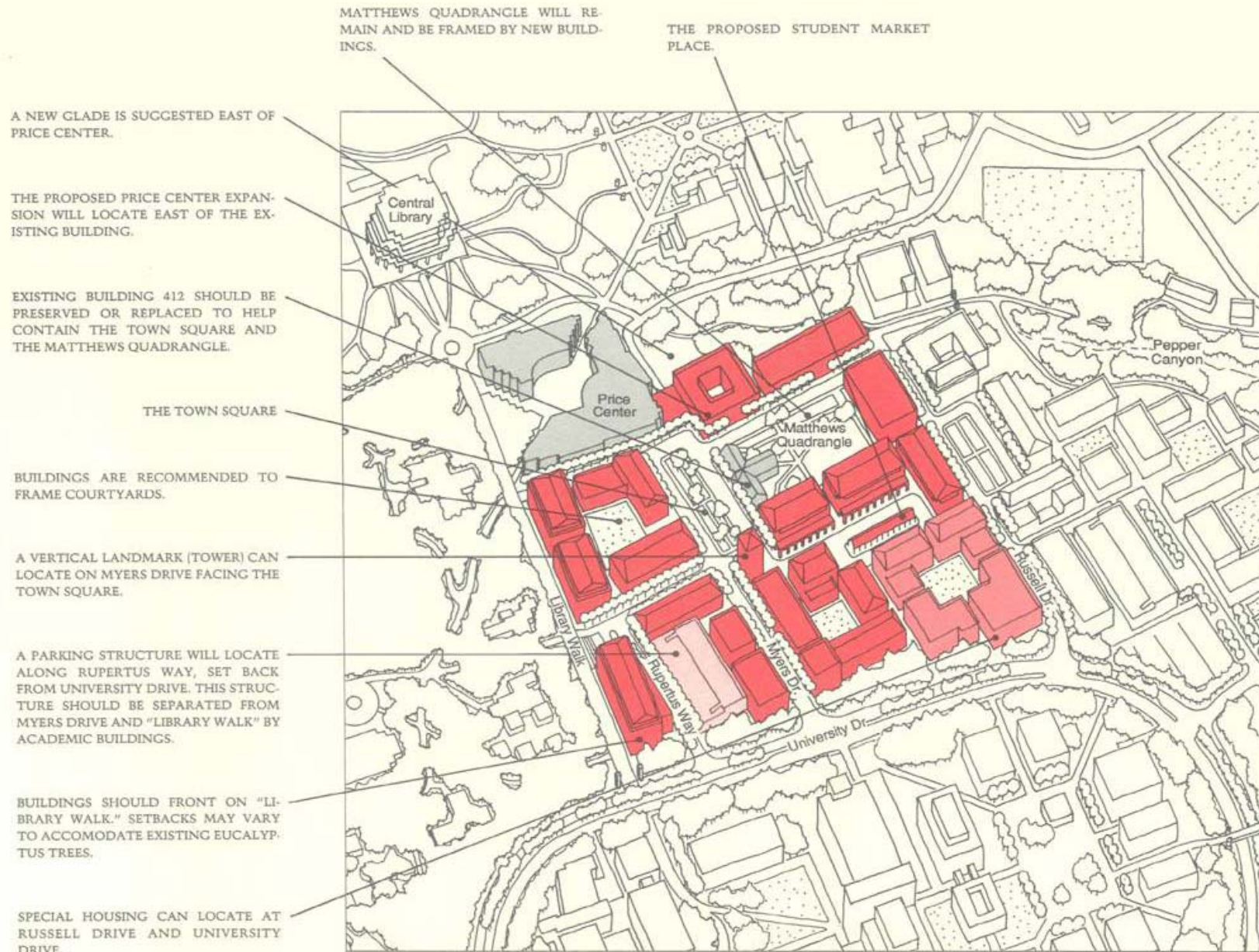
*UCSD should develop a "University Center" that will be the hub of campus activity and the focus of its undergraduate teaching programs.*

*Existing "centers of gravity" on campus serve as gathering points. What is needed is a "town center," easily accessible to visitors and convenient to west campus neighborhoods, that can function as the "heart" of campus social and academic life.*



9. UNIVERSITY CENTER WILL BE THE FOCUS OF CAMPUS ACTIVITY.

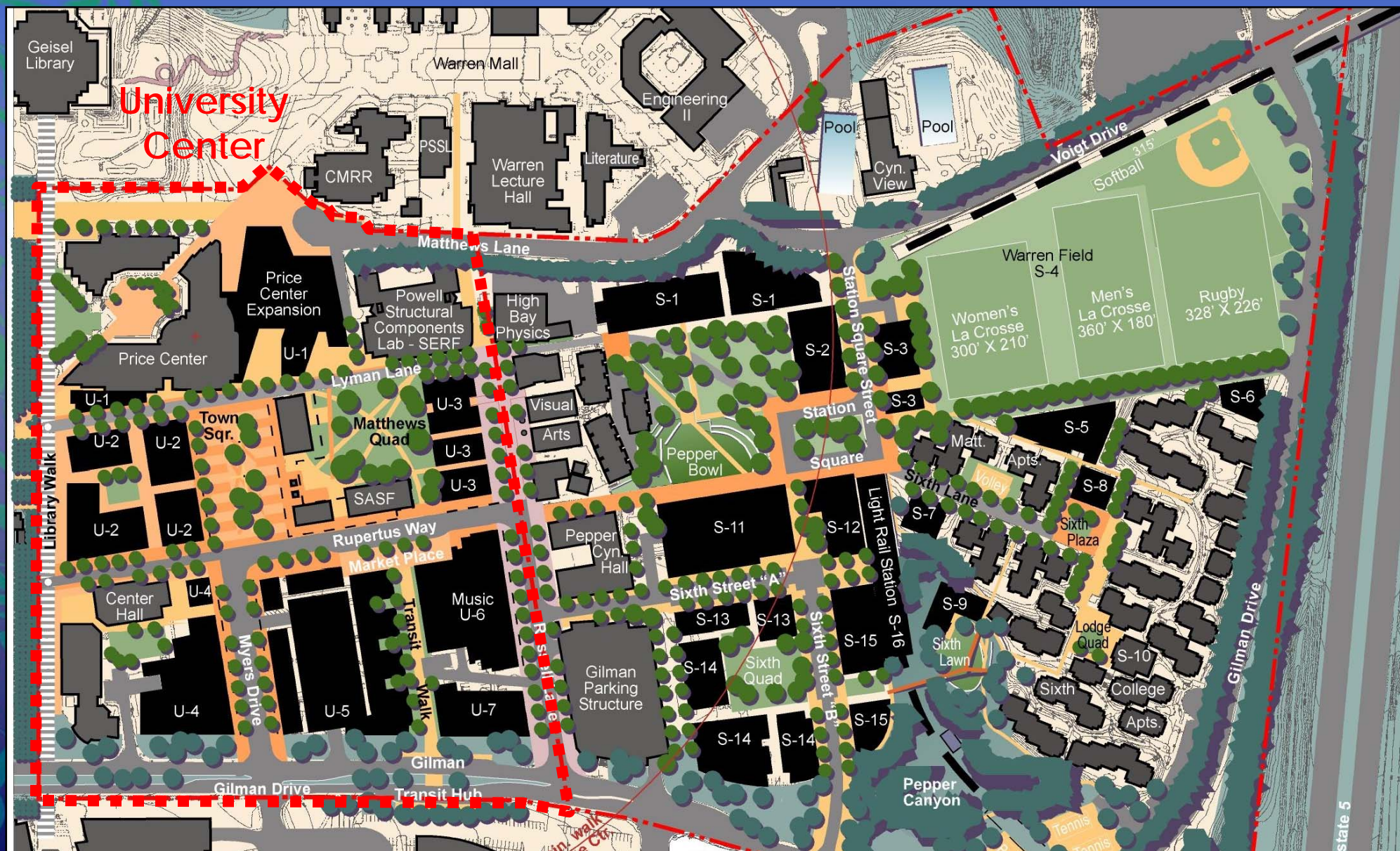
# University Center Principle



70. UNIVERSITY CENTER



# Master Plan Influence



University Center/Sixth College Neighborhood Planning Study

# The Creation of University Center



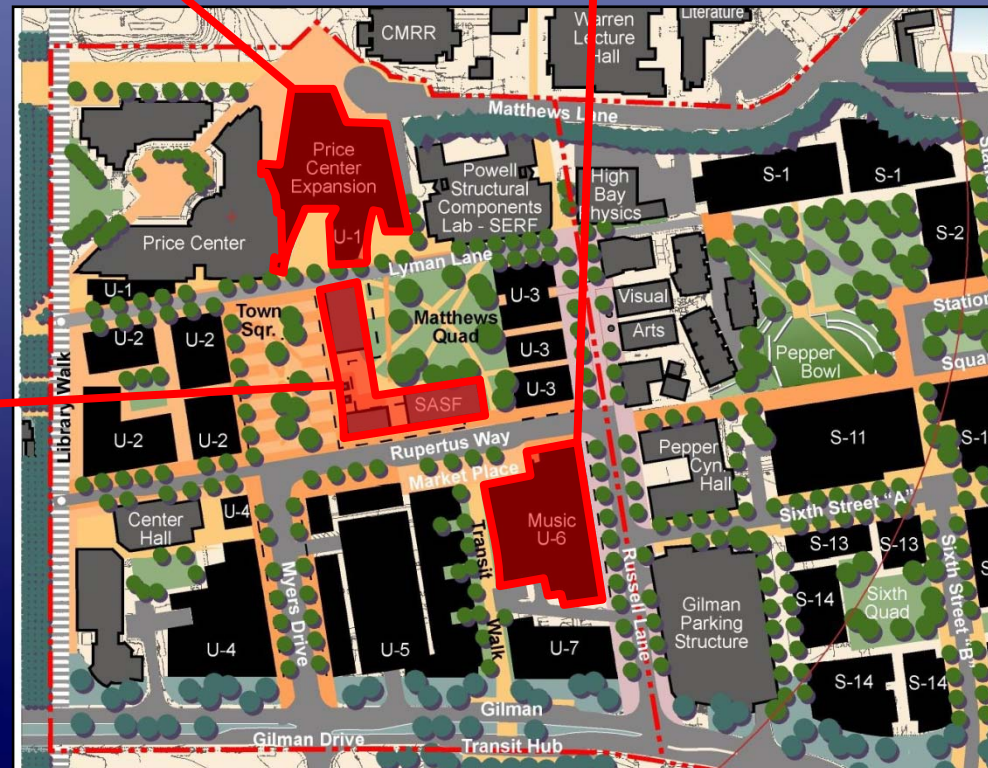
Price Center Expansion



Music Building

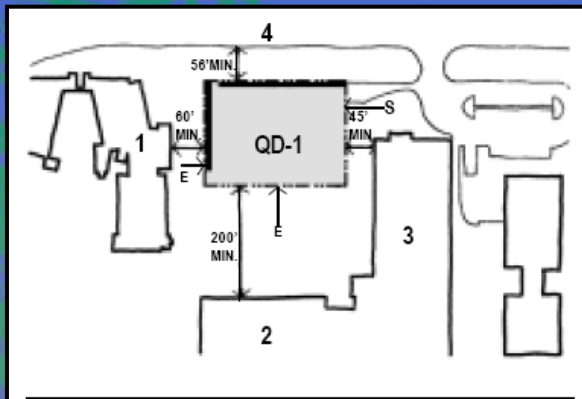


Student Services Center



# Design Objectives and Guidelines

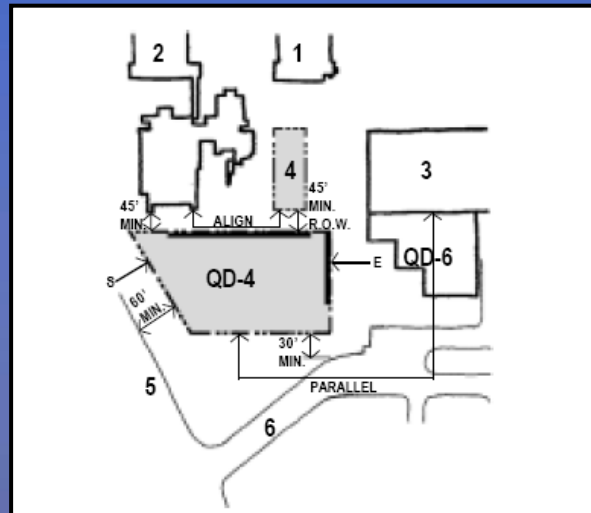
- Development Objectives



**Parcel QD-1**

1. CMME
2. Biomedical Library
3. Basic Science Building
4. Gilman Drive

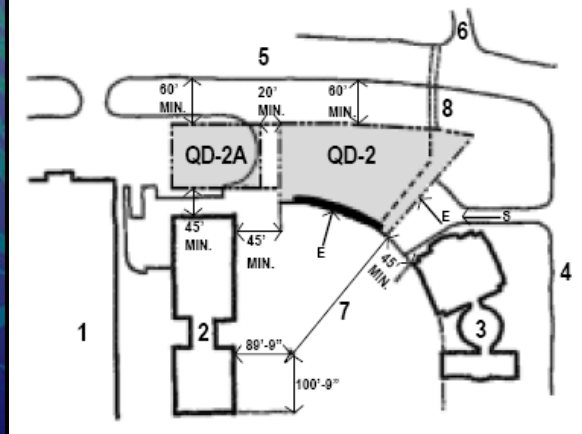
- S - SERVICE
- E - ENTRANCE
- BUILD TO LINE
- - - - PARCEL LINE



**Parcels QD-4**

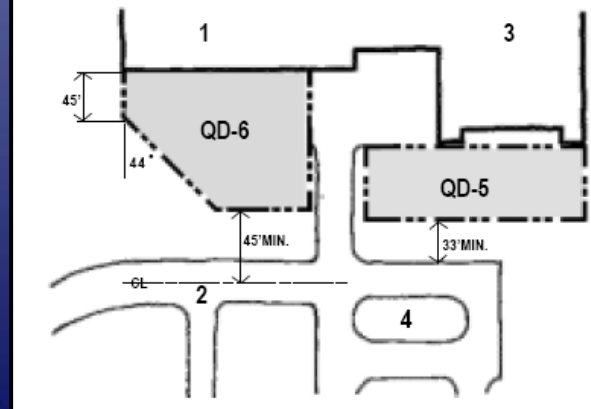
1. CMME
2. CMMW
3. Biomedical Library
4. Kiosk Zone
5. Gilman Drive
6. Olser Lane

- S - SERVICE
- E - ENTRANCE
- BUILD TO LINE
- - - - PARCEL LINE



**Parcel QD-2 + QD-2A**

1. Basic Science Building
2. Medical Teaching Facility
3. Stein Clinical Building
4. Villa La Jolla Drive
5. Gilman Drive
6. Russell Lane
7. Existing Rad. from Stein Bldg. - 245° R.
8. Pedestrian Walkway to Russell Lane



**Parcels QD-5 + QD-6**

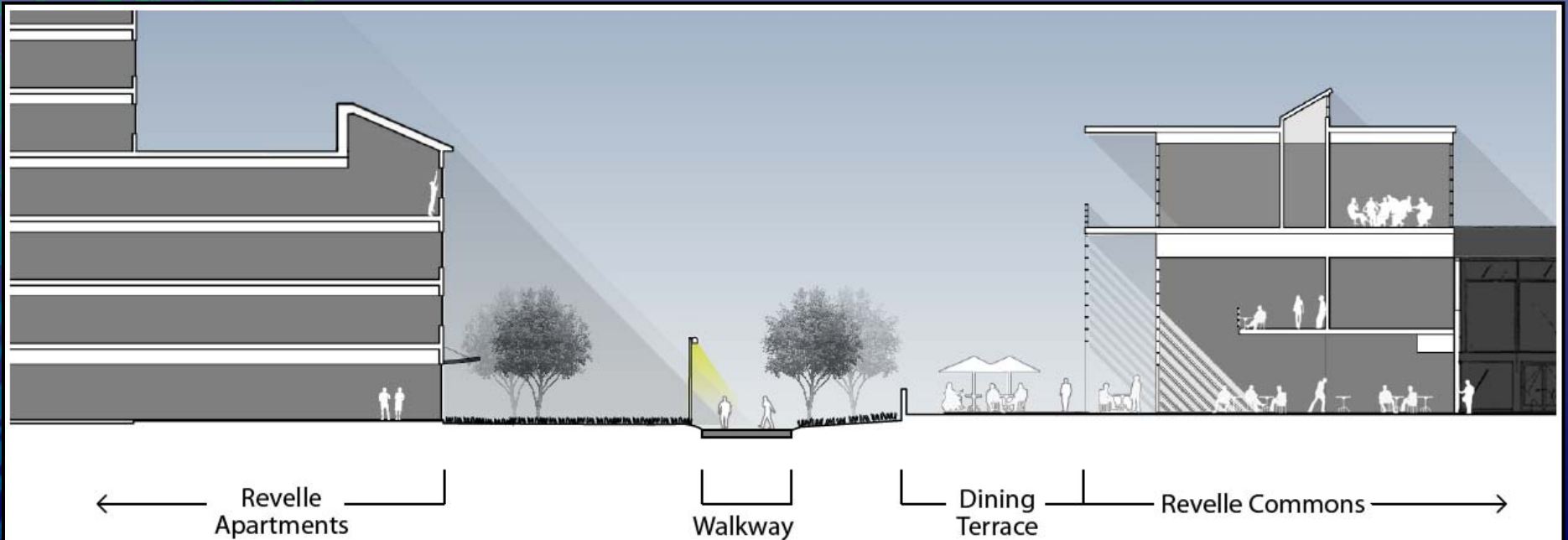
1. Biomedical Library
2. Olser Lane Right of Way
3. Basic Science Building
4. Olser Lane Drop Off Loop

## Development Parcel

# Design Objectives and Guidelines



- Development Objectives
- Building Design Guidelines



# Design Objectives and Guidelines

- Development Objectives
- Building Design Guidelines
- Open Space Guidelines



Figure 3-39 University Center Street Tree Diagram

## Street Trees

■ Extend the designated species along the length of each street. See Table 3-1.

**PC** Myers Drive – Pistache, *Pistacia chinensis* (male sterile)

**KB** Russell Lane - Chinese Flame Tree, *Koelreuteria bipinnata*

**ME** Rupertus - New Zealand Christmas Tree, *Metrosideros excelsus*

**UP** Lyman Lane - Evergreen Elm, *Ulmus parvifolia 'Drake'*

**TP** Transit Walk - Torrey Pine, *Pinus torreyana*

**R** Gilman Drive, Matthews Lane - Rustic plant palette: Lemon Scented Gum, *Eucalyptus citridora*; Sugar Gum, *Eucalyptus cladocalyx*; Red Flowering Gum, *Eucalyptus ficifolia*; Red Ironbark, *Eucalyptus sideroxylon*; Coral Gum, *Eucalyptus torquata*

● Discrete Open Space plant materials

# Design Objectives and Guidelines



- Development Objectives
- Building Design Guidelines
- Open Space Guidelines
- Color and Material Palette

