

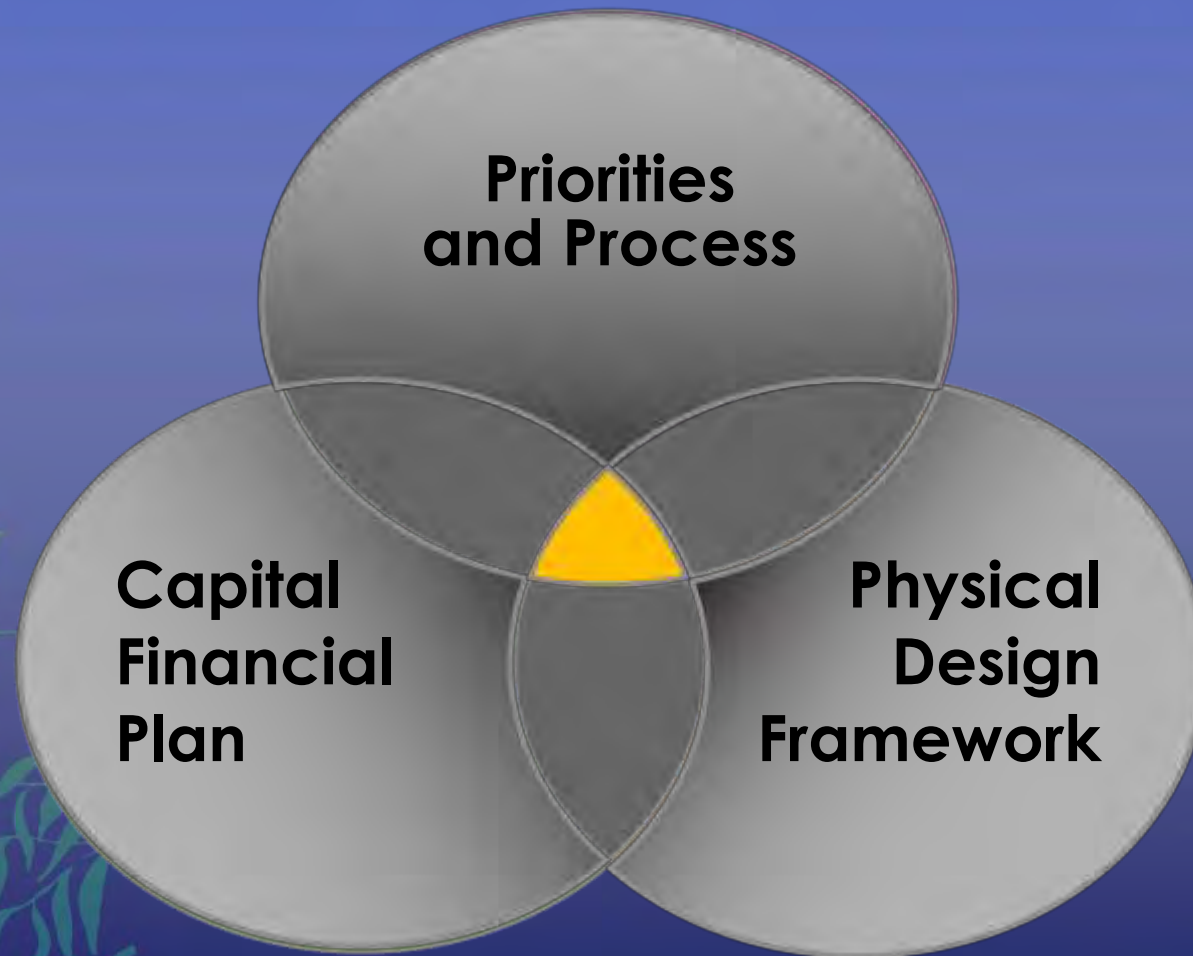


UC San Diego
Pilot Phase of the
Redesigned Capital Process

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

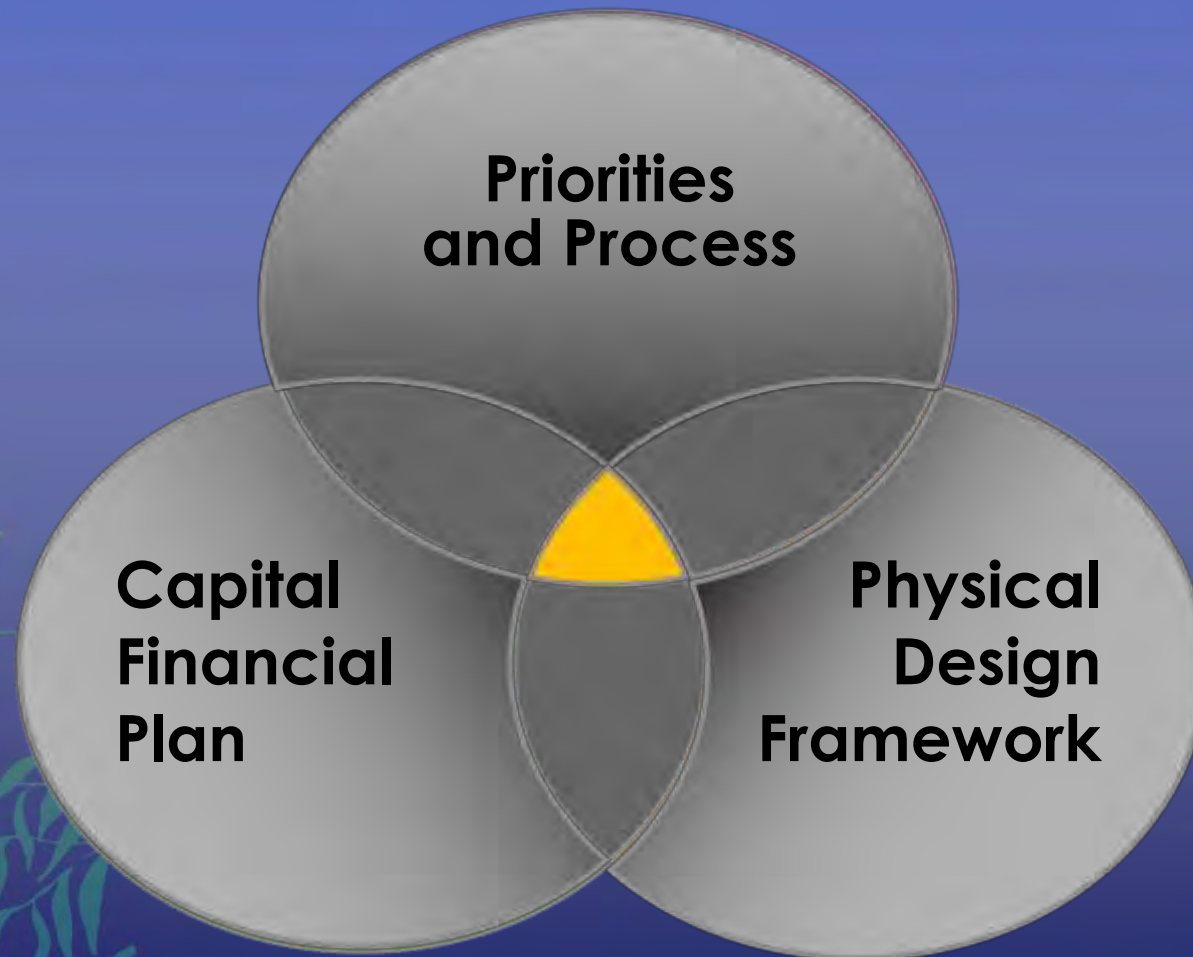
Scripps Institution
of Oceanography

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

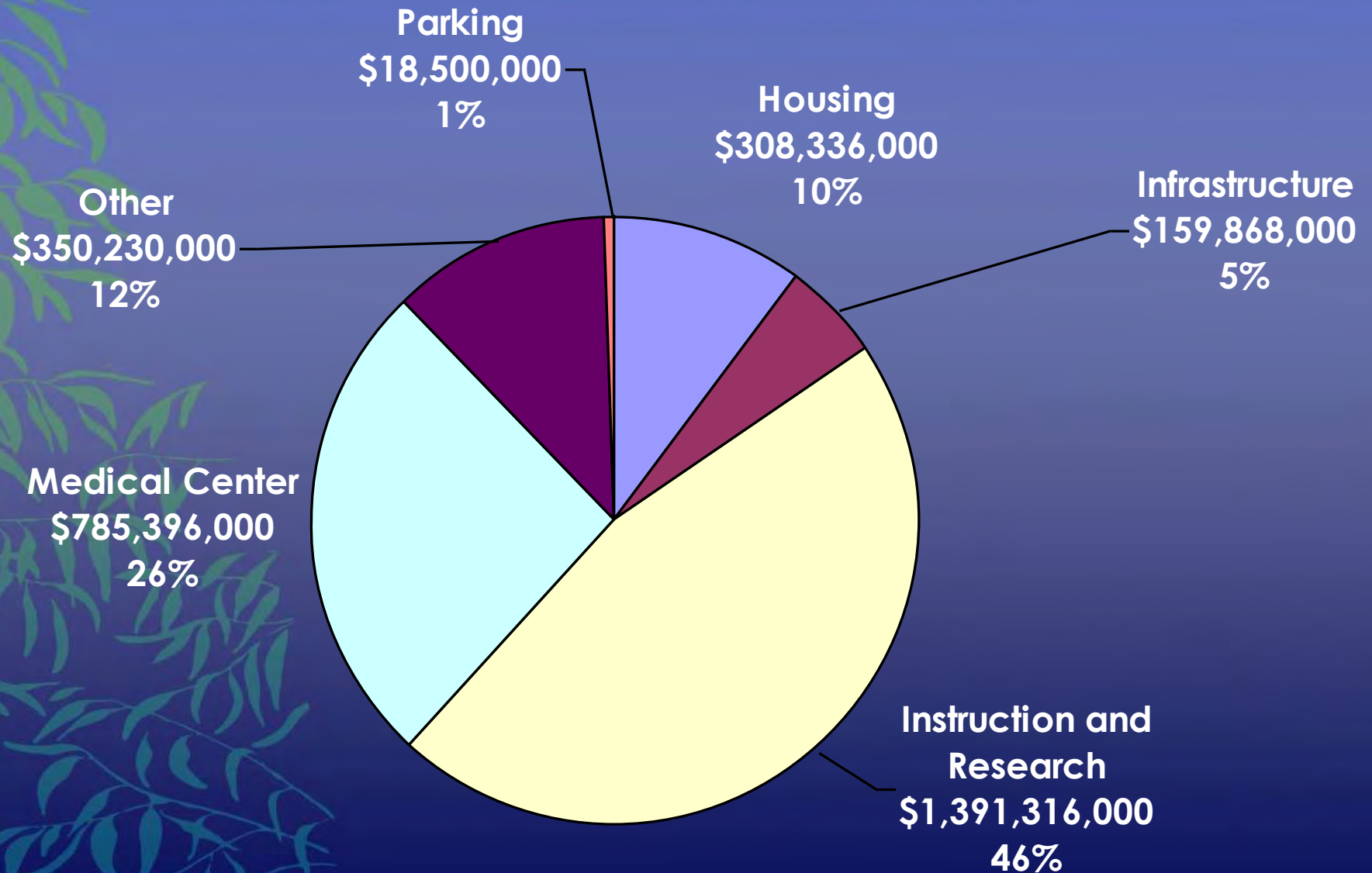
- Address key priorities
 - construct new space
 - modernize buildings and renew infrastructure
- Plan with financial prudence
- Achieve functional and aesthetic goals
- Increase use of sustainable materials and renewable energy, and minimize life cycle costs

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

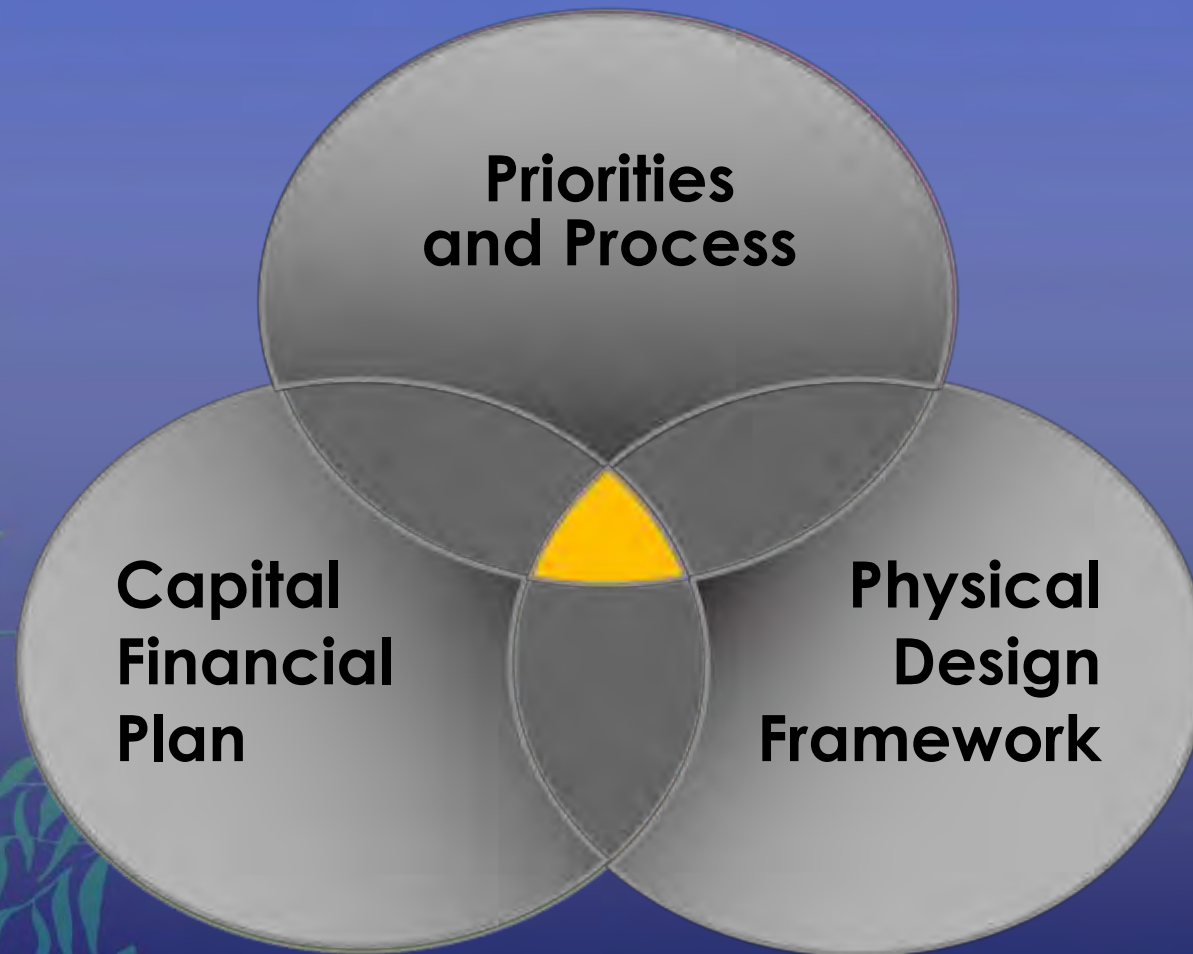
- **Conforming with UC Policies**
- **Implementing Sustainable Buildings**
 - Cool roof system
 - Displacement ventilation system
 - Naturally ventilated office modules
 - Photovoltaic infrastructure
 - Ultra low flow plumbing fixtures
- **Advancing Energy Initiatives**
 - Fuel Cell
 - Compressed Natural 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



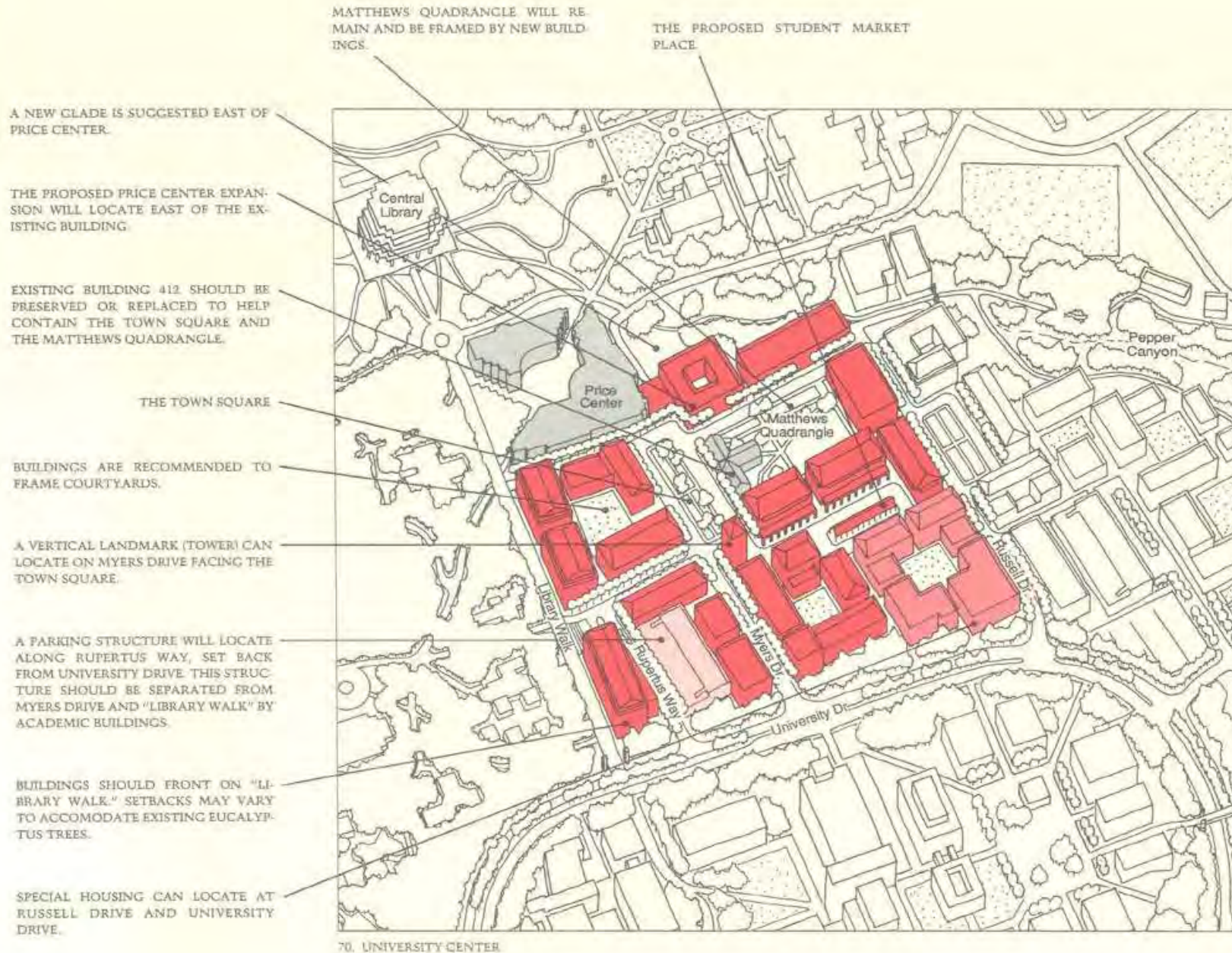
UCSD should develop a “University Center” that will be the hub of campus activity and the focus of its undergraduate teaching programs.

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.

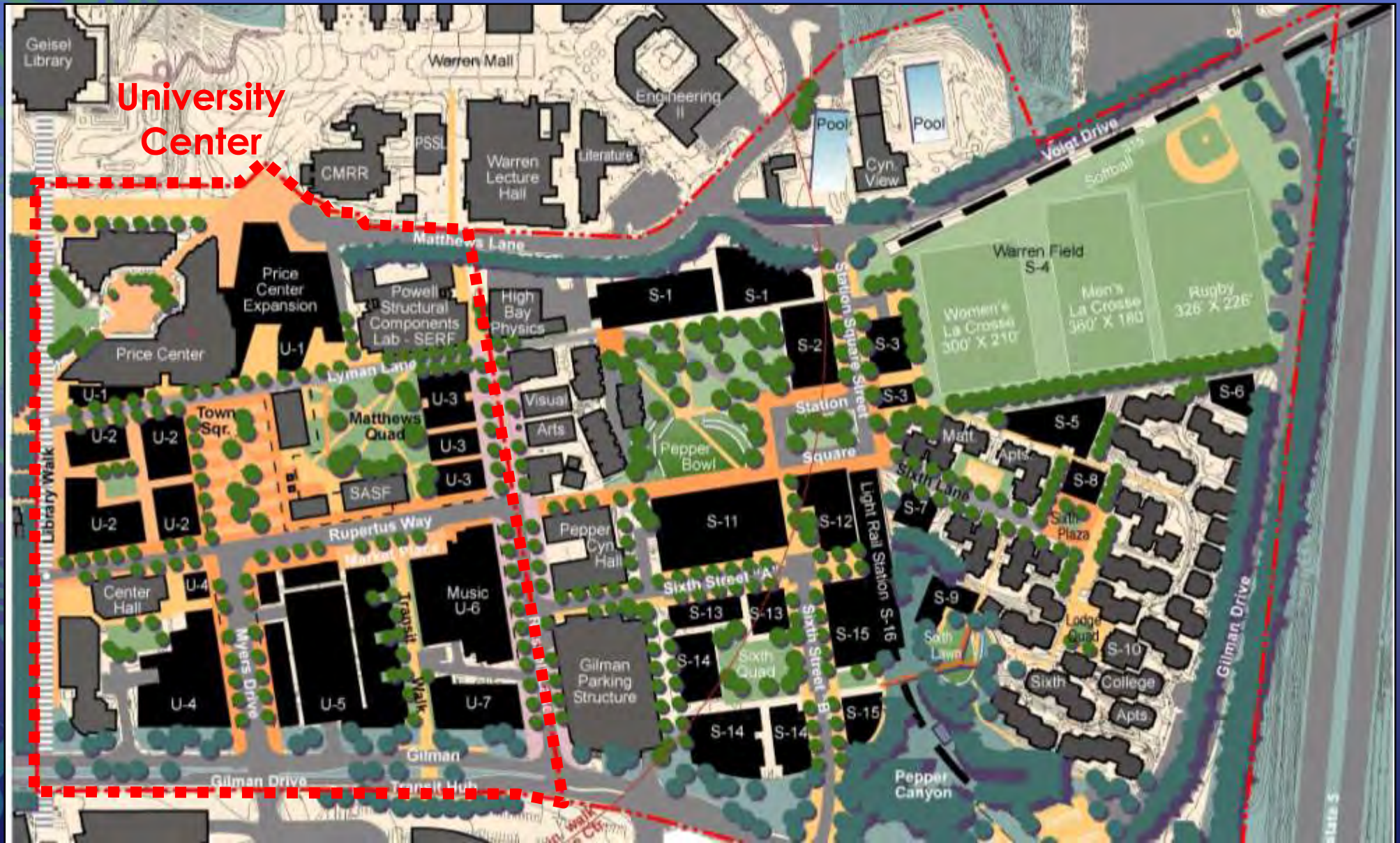


9. UNIVERSITY CENTER WILL BE THE FOCUS OF CAMPUS ACTIVITY.

University Center Principle



Master Plan Influence



University Center/Sixth College Neighborhood Planning Study

The Creation of University Center



Price Center Expansion



Music Building

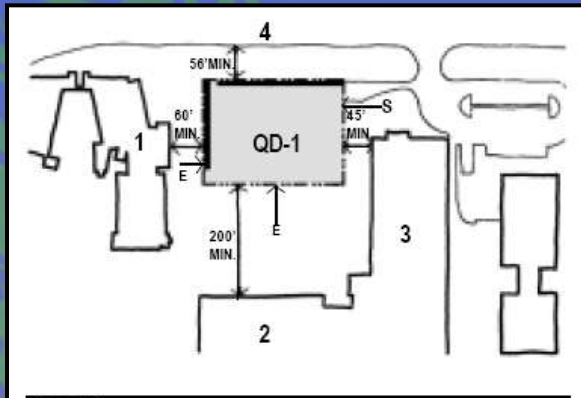


Student Services Center



Design Objectives and Guidelines

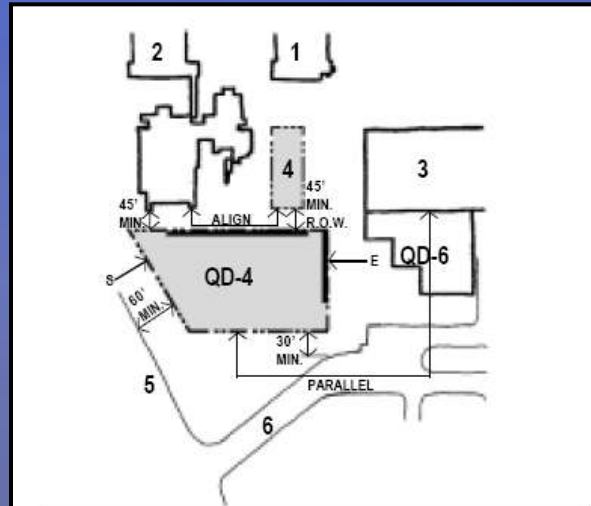
• Development Objectives



Parcel QD-1

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

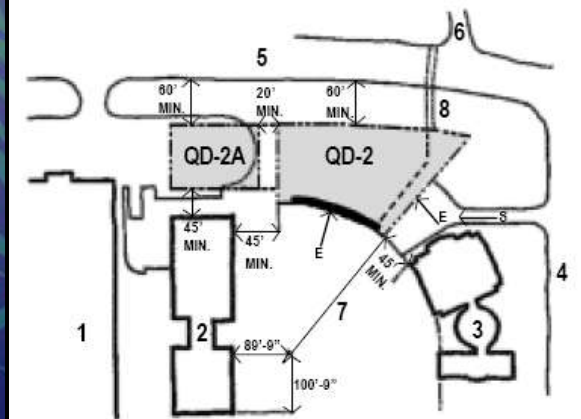
- S - SERVICE
- E - ENTRANCE
- BUILD TO LINE
- - - PARCEL LINE



Parcels QD-4

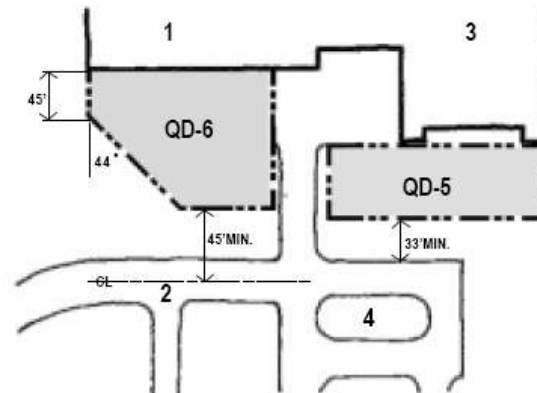
- 1. CMME
- 2. CMMW
- 3. Biomedical Library
- 4. Kiosk Zone
- 5. Gilman Drive
- 6. Olser Lane

- 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

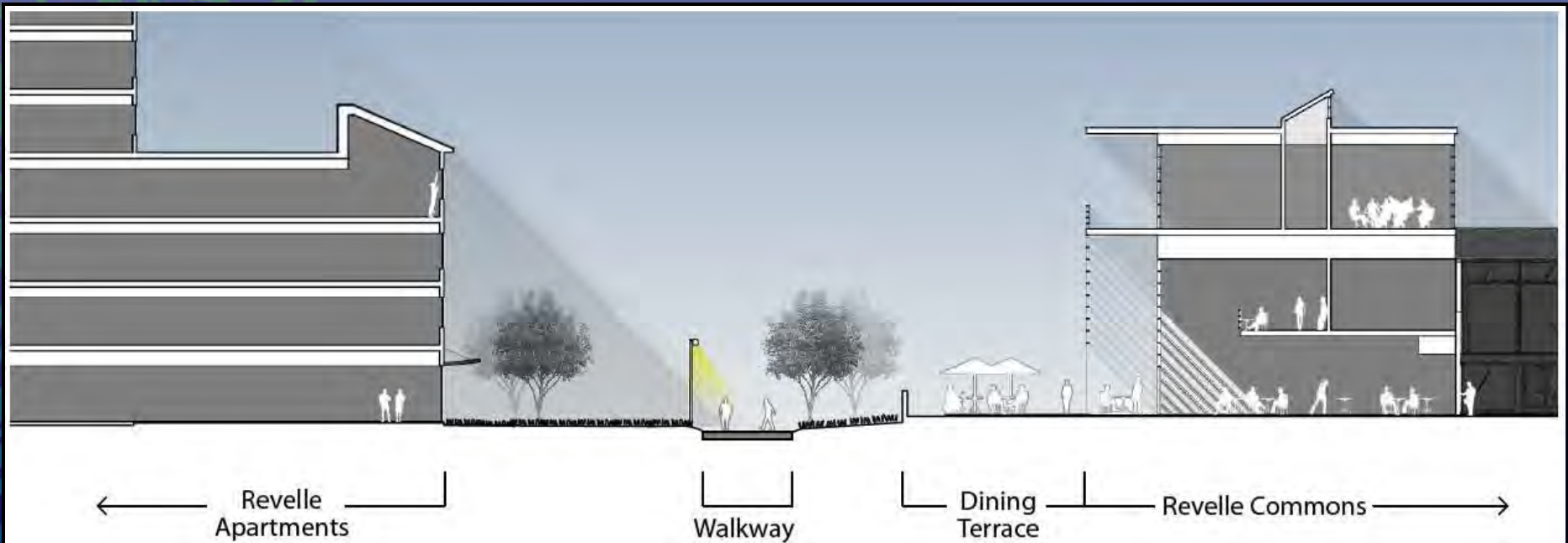
- 1. Biomedical Library
- 2. Olser Lane Right of Way
- 3. Basic Science Building
- 4. Olser Lane Drop Off Loop

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

