Project Information

• In-fill project of 280 student beds
  – Six students per apartment suite
  – 2 double bedrooms and 2 single bedrooms per apartment

• Common Areas to include:
  – Vending, laundry, and mail services
  – On-site management
  – Gathering Spaces
  – Administrative Office Space (Custodial etc.)
  – Outdoor program areas

• 100,000 gross square feet/80,000 assignable square feet

• LEED Silver
2004 LRDP AND 1989 UCSD MASTER PLAN

Site
Revelle/Muir Colleges Neighborhood Planning Study
Existing Residential Characteristics
Buildings in a Forested Setting
Muir College

Getty Foundation
Architectural Heritage Grant

Project should reflect rhythm of the current campus organization (clustering of buildings, orientation around courtyards, vertical density).

Height and scale should maintain spatial enclosure of the landscape, with taller buildings occurring at the periphery.
Site Sustainability - Storm Water Mitigation Strategies

PERMEABLE PAVING

RAIN GARDENS
Schematic Design - Typical Upper Level Plan (Levels 2-7)
3-Dimensional Building View – View from Stewart Commons
3-Dimensional Building View – Entry Plaza
Entry Plaza
3-Dimensional Building View –
Central Bridge
3-Dimensional Building View – Southeast Corner
Residential Buildings – Design Precedent
Colors and Materials – Exterior

Colton Type II Concrete
Metal railings
Cement Plaster
Concrete Masonry
<table>
<thead>
<tr>
<th>Sustainability Features</th>
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</thead>
<tbody>
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<td>LEED Silver</td>
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</table>

- Participation in SDG&E Savings-by-Design program
- Automatic daylight harvesting in common spaces with photocells and lighting control panels
- High fly ash concrete
- “Cool roof” design/Energy Star Compliant
- Roof photovoltaic panel incorporation
- High shade factor = reduced “heat island” effect
- Best practices storm-water management/bioswales and “rain garden”
- Natural ventilation
- Construction recycling
- 10%-20% recycled content in building materials
- Use of regionally extracted, processed and manufactured materials
- Low emitting materials
- Extensive day-lighting
Discussion…
Slides not currently in presentation...
<table>
<thead>
<tr>
<th>Sustainable Strategy Options for Consideration</th>
<th># of LEED Points</th>
<th>Cost Premium</th>
<th>Payback Period</th>
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<tbody>
<tr>
<td>EA 2: On-Site Renewable Energy (2.5%)</td>
<td>2</td>
<td>$350,000</td>
<td>44 yrs.</td>
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<td>PV cells</td>
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<tr>
<td>EQ 1: Outdoor Air Delivery Monitoring</td>
<td>1</td>
<td>$100,000</td>
<td>n/a</td>
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<tr>
<td>EQ 6.1: Controllability of Systems</td>
<td>1</td>
<td>$200,000</td>
<td>n/a</td>
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Option Totals 6
Site Study – Sun & Wind
Option A – 2-Part Window

Option B – 3-Part Window
Schematic Design - Level 8 Plan
Original Site Landscape Design, circa 1960's
RAIN GARDENS

- RAISED PLANTERS ARRANGED ALONG BOTH SIDES OF THE CENTRAL WALKWAY
- ROOF DOWNSPOUTS WILL OUTFALL TO RAIN GARDENS
- PLANT MATERIAL COMPATIBILITY FOR PERIODIC INUNDATION WITH STORMWATER

PERMEABLE PAVING

- OPEN-GRID PERMEABLE PAVER SYSTEM USED IN AMPHITHEATER/COURTYARD, OUTDOOR EATING AREA, AND CENTRAL WALKWAY
- ALLOWS INFILTRATION OF FIRST FLUSH AND LIGHT RAIN EVENTS
- COLOR SELECTIONS AND PATTERNS TO MATCH CONCRETE PAVING DESIGN

Site Sustainability-Storm Water Mitigation Strategies
Existing Paving Characteristics

ENHANCED PLAZA – STEWART COMMONS

NATURAL GRAY WALKWAYS

ENHANCED PLAZA – DETAIL
Proposed Site Finishes and Characteristics

PLAZAS AND COLLENADE
- Exposed Aggregate
- Light Acidwash
- Medium Acidwash
- Heavy Acidwash

CONNECTOR WALKWAYS
- Desert Tan
- Canvas
- Buffalo
- Charcoal
- Exposed Aggregate
- Natural Gray
Exterior Railing Concepts
Existing Context – View Towards Stewart Commons