UCSF Medical Center at Mission Bay
Landscape Design
Community Presentation

September 21, 2009
Site Design Principles – planting response

Positive contribution to the neighborhood
Public garden spaces, interpretive signage/planting in teaching garden

Create a Strong Identity
Distinctly coastal California landscape aesthetic

Respond to Context
Edges respond to adjacent character; lessons learned from existing Mission Bay planting

Sustainability
Species chosen for habitat value, drought tolerance, stormwater treatment suitability. Utilizing recycled blow-down water.

Adaptable to Future Conditions
Purple pipe ready for reclaimed water.

Operations, Maintenance & Longevity of Materials
Low maintenance species and planting design; durable plants that withstand heavy treatment; long-lived species
Planting Criteria

- Natives as first choice
- Tolerant of challenging Mission Bay conditions (wind, poor soil, salt)
- Drought tolerant, low-water requirements
- Habitat value (pollinators & birds – food, cover, nesting)
- Non-invasive
- Non-toxic / low-allergenic
- Longevity
- Avoid thorns
- Sturdy & resilient (monocots)
- Low maintenance, tolerant of simple maintenance techniques
- Careful use of strongly fragrant plants
Site Planting Conditions – shade and wind

- **Wind from northwest**
- **Wind from west**
- **Wind from southwest**
PLANTING PALETTE - SHRUBS

Arctostaphylos 'howard mcminn'
Manzanita

Arctostaphylos 'Julia Phelps'
Louis Edmunds Manzanita

Ceanothus 'Ray Hartman'
Wild Lilac

Cercis occidentalis
Western Redbud

Cercocarpus betuloides
Mountain Mahogany

Cornus sericea occidentalis
West Sonoma County Dogwood

Heteromeles arbutifolia
Toyon

Baccharis pilularis
Coyote brush

Rhamnus californica 'eve case'
Coffeeberry

Salix exigua
Red willow

Amelanchier sp
Service berry
PLANTING PALETTE - GROUNDCOVERS AND PERENNIALS

- Actostaphylos 'Pacific Mist'
  - Pacific Mist Manzanita
- Armeria maritima ssp. californica
  - Sea Pink
- Artemisia pycnocephala
  - 'Davids Choice'
  - Point Reyes Ceanothus
- Ceanothus glauca 'Anchor Bay'
  - Beach Sandwort
- Ceanothus maritimus 'Frosty Dawn'
  - Frosty Dawn Ceanothus
- Eriogonum glaucum 'Wayne Roderick'
  - Wayne Roderick Daisy

- Eriogonum fasciculatum
  - California Buckwheat
- Eriogonum giganteum
  - St. Catherine's Lace
- Eriogonum arborescens
  - Santa Cruz Island Buckwheat
- Eriogonum cicutarium
  - Ashlyeaf Buckwheat
- Eriogonum crocatum
  - Saffron Buckwheat
- Fragaria chilensis
  - Beach Strawberry

- Fragaria vesca californica
  - Woodland Strawberry
- Heuchera elegans
  - Coral Bells
- Iris douglasiana
  - Douglas Iris
- Lupinus albifrons 'collinus'
  - Silver Bush Lupine
- Oxalis oregana
  - Redwood Sorrel
- Penstemon heterophyllus
  - Foothill Penstemon
PLANTING PALETTE - GROUNDCOVERS AND PERENNIALS

- *Pertylia incana*  
  Rock Daisy

- *Polystichum munitum*  
  Western Sword Fern

- *Prunella vulgaris*  
  Self-heal

- *Salvia apiana*  
  White Sage

- *Salvia clevelandii*  
  Cleveland Sage

- *Sisyrinchium bellum*  
  Blue eyed Grass

- *Symphoricarpos mollis*  
  Creeping Snowberry

- *Tanacetum camphoratum*  
  Dune Tansy

- *Woodwardia fimbriata*  
  Giant Chain Fern

- *Asarum caudatum*  
  Wild Ginger

- *Dryopteris arguta*  
  Coastal Wood Fern

- *Trachelospermum Jasminoides*  
  Star Jasmine

PLANTING PALETTE - VINES

- *Loncera japonica*  
  Honeysuckle

- *Hardenbergia violacea*  
  Purple vine lilac
OVERALL PLAN

GATEWAY

NORTH DROP-OFF

PLAZA

TEACHING GARDEN

CANCER VIEW GARDEN

WOMEN'S VIEW GARDEN

TEACHING GARDEN

MEDITATION GARDEN

CHILDREN'S VESTIBULE GARDEN

MARIPOSA WALK PATCHWORK GARDEN
UCSF gateway – reflect existing gateway while transitioning to softer landscape character

**GATEWAY TREE**

- Ginkgo biloba “Fastigiata”

**GATEWAY GROUNDCOVER**

- Trachelospermum jasminoides

**PARKING LOT SCREENING SHRUBS**

- Rhamnus californica ‘Eve Case’
- Arctostaphylos densiflora ‘Howard McMinn’ Manzanita

**RAISED RAINGARDEN PLANTER**

- Pittosporum
- Polystichum sp.
- Heuchera sp.
Drop – Offs and Plaza – *coastal California character, soft textures and colors*

**TREES**
- Sophora japonica per Mission Bay Master Plan
- Plaza tree, *Tristaniopsis laurina*. Upright with high branching for pedestrian movement
- Landscape tree, *Lyonothamus floribundus*. Larger species, multi-branching, tolerates adjacent flooding in treatment zone

**LANDSCAPE**
- "wave" landforms, mix of native grasses
- Raingarden, vegetated treatment
- Teaching garden – ornamental native medicinal plants

**RAINGARDEN**
- *Cercis occidentalis*, *Arctostaphylos 'pacific mist'*, *Calamagrostis foliosa*”
- *Achillea sp.*

**Carex pansa**, *Muhlenbergia rigens*, *Artemisia*
Parking – *trees demark pedestrian routes; durable swale planting*

**TREES**
- **Melaleuca quinquervia**
- **Sambucus mexicana** Western Elderberry
- **Aesculus californica** California Buckeye

**SWALES**
- **Juncus effusus**
- **Juncus patens**
- **Iris douglasiana**

**LANDSCAPE**
- **Rhamnus californica**
- **Muhlenbergia rigens**

- Durable swale grasses and groundcovers
- Multi-stemmed cluster tree, *Sambucus mexicana*. Clusters better withstand wind

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**TEMPORARY LANDSCAPE IF REQUIRED**
- 4th street
- 16th street
- north connector
- south connector
- Owens street
Children’s Entry Garden – colorful flowers, playful interesting plant forms, bold patterns

**TREE**

Melaleuca quinquina

**SHRUBS**

Echium sp.

Pittosporum sp.

**GROUNDCOVERS**

Armeria maritima sp. californica

Asparagus densiflorus ‘Myers’

Penstemon heterophyllus Foothill Penstemon
Mariposa Walk - Patchwork Garden

Colorful and diverse garden planting, includes common residential plants, palette shared by Mariposa Park

Trees:
- Ginkgo biloba, Mission Bay street-tree
- Landscape tree, Melaleuca quinquinervia
- Landscape tree, Magnolia grandiflora

Swale:
- Colorful patchwork groundcovers

Shrubs & Groundcovers:
- Penstemon heterophyllus, Foothill Penstemon
- Ameria maritima sp. californica, Sea Pink
- Hardenbergia violacea, Purple Vine Lilac

Vines:
- Lonicera japonica, Honeysuckle

Swale:
- Juncus patens, Large Cape Rush
- Chondropetalum elephantinum

patches & Groundcovers:
- California Lilac
- Spanish lavender
Mariposa Walk - Patchwork Garden
3rd Street Entry Plaza

coastal california character, evergreen groundcovers and grasses create a soft and green edge to 3rd street.

Arbutus marina, multistemmed, landscape tree

groundcovers on slope

Arbutus marina,
Per Mission Bay M.P.
Washingtonia robusta
Per Mission Bay M.P.

Ginkgo biloba,
columnar, tall and deciduous. Gateway tree

Tree

Olea europaea
Olive Tree

Ginkgo biloba “Fastigiata”
Ginkgo

Landscape

Arctostaphylos ‘pacific mist’

Calamagrostis foliosa

Muhlenbergia rigens
Deer Grass

Lymus condensatus
Wild Rye
3rd Street Entry Plaza
Temporary landscaping

Temporary fence with irrigated flowering vines

Vines on temporary fencing

Temporary hydroseeding
Cancer View Garden – **verdant evergreen groundcovers create calm backdrop for sculptures; landform of grasses creates privacy**

**SHRUB**
- *Arctostaphylos stanfordiana bakeri*
- *Amelanchier sp.*

**GROUNDCOVER**
- *Tanacetum camphoratum*
  - San Francisco dune tansy
- *Asarum caudatum*
  - Wild Ginger
- *Sisyrinchium bellum*
  - Blue eyed Grass

**RAINGARDEN STORMWATER TREATMENT**
- *Woodwardia fimbriata*
  - Giant Chain Fern
- *Juncus effusus*
- *Salix exigua*
Women’s View Garden – *cheerful seasonal color and soft textures as groundcover, privacy and enclosure created with hedges and tree canopies*

**TREES**
- *Acer Macrophyllum*  
  Big Leaf Maple

**SHRUBS**
- *Cornus stolonifera*  
  dogwood
- *Rosa californica*  
  California wild rose
- *Cornus stolonifera*  
  dogwood

**GROUNDCOVER**
- *Iris douglasiana*  
  Douglas Iris
- *Sisyrinchium bellum*  
  Blue eyed Grass
- *Heuchera elegans*  
  Coral Bells
Meditation Garden – minimal, calm, lush and evergreen palette. Leaves that rustle in the wind.

**TREES**

- Acer Macrophyllum
  - Big Leaf Maple

**SHRUBS**

- Arctostaphylos stanfordiana bakeri
- Amelanchier sp.
- Bamboo sp.

**GROUNDCOVER**

- Polystichum munitum
  - Western Sword Fern
- Oxalis oregana
  - Redwood Sorrel
- Symphoricarpos mollis
  - Creeping Snowberry

**Bamboo**

- Textured, upright focal point
- Larger landscape tree - *Acer macrophyllum*
- Lush, evergreen groundcover and shrubs
- Bamboo hedge - permeable screen, movement and sound
- Lobby view composition

**Additional Elements**

- Simple elegant bandstands
- Woven wood walls
- Intimate seating
- Water wall and pool
- Varied labyrinth paving
North View Garden – 3rd floor

tapestry of soft textures and colors, coastal california palette, emphasis on habitat for native birds & butterflies

Blended mix of groundcover shrubs and grasses

flowering, native habitat tree

TREES

Sambucus mexicana
Western Elderberry

GROUNDCOVERS

Artemisia pycnocephala
‘David’s Choice’
Beach Sandwort

Frageria chiloensis
Beach Strawberry

Bothriochloa barbinodis
Silver Beardgrass

Calamagrostis foliosa
Mendocino Reegrass
Central View Gardens – 3rd floor

tapestry of soft textures and colors, coastal California palette, emphasis on habitat for native birds & butterflies

TREES

- *Sambucus mexicana*  
  Western Elderberry
- *Olea europaea*  
  Olive Tree

GROUNDCOVERS, GRASSES

- *Erigonium sp.*  
  Buckwheats
- *Frageria chiloensis*  
  Beach Strawberry
- *Bothriochloa barbinodis*  
  Silver Beardgrass
- *Salvia sp.*  
  Creeping sage
- *Calamagrostis foliosa*  
  Mendocino Reegrass
- *Salvia sp.*  
  Creeping sage
- *Calamagrostis foliosa*  
  Mendocino Reegrass
- *Fragaria chiloensis*  
  Beach Strawberry
- *Bothriochloa barbinodis*  
  Silver Beardgrass
- *Salvia sp.*  
  Creeping sage
ICN Terrace – 3rd floor
year round features, soft textures and colors, foreground interest

flowering, native habitat tree, wind tolerant

Colorful, low groundcovers

Landforms with blend of native grasses

TREES

GROUNDCOVERS and GRASSES

Olea europaea
Olive Tree

Erigeron glaucus
Wayne Roderick Daisy

Frunella vulgaris
Self-heal

Calamagrostis foliosa
Mendocino Reegrass

Erigonum sp.
buckwheats

Bothriochloa barbinodis
Silver Beardgrass

Ceanothus sp.

Frageria chiloensis
Beach Strawberry

Achillea sp.
Strolling Gardens – 4th floor
year round features, soft textures and colors, foreground interest, butterfly planting

Blend of native grasses
Colorful, low groundcovers
Trailing plants in planters

Flowering habitat shade canopy tree

TREES
Maytenus boaria
Mayten Tree
Olea europaea
Olive Tree

GROUNDCOVERS and GRASSES
Lupinus albifrons ‘Collinus’
Silver Bush Lupine
Erigeron glaucus
Santa Barbara Daisy
Salvia sp.
Creeping sage
Bothriochloa barbinoda
Silver Beardgrass
Ceanothus sp.
Armeria maritima sp.
californica
Sea Pink
Children’s Terrace & Adult Lounge - 5th floor

TREES

Maytenus boaria
Olea europaea

Olive Tree

GROUNDCOVERS, GRASSES, FOOD PLANTS

Erigeron glaucus
Santa Barbara Daisy

Frageria chiloensis
Beach Strawberry

Food plants

Bothriochloa barbinodis
Silver Beardgrass

Ceanothus sp.

Armeria maritima sp. californica
Sea Pink