San Bernardino Valley College Gymnasium Project Landscape Overview

April 15, 2014
Gym Site Plan
Landscape Design Goals

- Minimize Water Use
- Reduce Maintenance
- Reconnect with Nature
- Outdoor Education
Landscape Design Goals

- Minimize Water Use
  - Replacing Turf Areas with Native and Drought Tolerant Shrubs and Groundcover
  - Efficient Irrigation Systems
  - Approximately 50% Reduction

**Existing Water Demand**
- Building Roof: 113,234 sq. ft.
- Hardscape: 210,499 sq. ft.
- Turf: 98,878 sq. ft.

Current Estimated Water Need: 3,253,000 Gallons Per Year

**Proposed Water Demand**
- Building Roof: 63,639 sq. ft.
- Hardscape: 164,136 sq. ft.
- Turf: 17,511 sq. ft.
- Shrubs/Groundcover: 173,660 sq. ft.

Proposed Estimated Water Need: 3,080,000 Gallons Per Year (Landscape Area Increase by a Factor of 1.9)
Landscape Design Goals

- Reduce Maintenance
  - Majority Spreading Plants with Open Spacing
  - Oak Woodland
  - Natural Mulch Ground Plain
  - Efficient Irrigation Systems
Landscape Design Goals

- Reconnect with Nature
  - Small Seating Nodes
  - DG Path
  - Plant Diversity
  - Attracting Wildlife
  - Celebrating Natural Systems
  - Tree Canopy
Landscape Design Goals

- Outdoor Education
  - Natural Pond
  - Biology Learning Gardens
  - Outdoor Teaching Spaces
Master Plan Vision

LEGEND
- Campus Wide Palette
- Riparian Palette
- Oak Woodland Palette
- Decomposed Granite Trail System
- Soft Node
- Formal Node

The Glade Concept Plan
SBVC Gymnasium
San Bernadino, CA
Prepared for:
San Bernardino Valley College
March 2014
Landscape Design

- Biology Teaching Garden
- Practice Lawn
- ‘Boardwalk’
- Dry Stream / Bioswale
- Athletics Promenade
- Natural Pond
- Decomposed Granite Trail
- Seating Node
- Oak Woodland
Landscape Design

- Biology Teaching Garden
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- Oak Woodland
Teaching Gardens

LEGEND

1. Alder rhombifolia
   White Alder
2. Calocedrus decurrens
   Incense Cedar
3. Cercidium x ‘Desert Museum’
   Thornless Palo Verde
4. Cercis occidentalis
   Western Redbud
5. Chilopsis linearis
   Desert Willow
6. Ginkgo biloba ‘Autumn Gold’
   Ginkgo Tree
7. Juniperus californica
   California Juniper
8. Pinus canariensis
   Canary Island Pine
9. Pinus edulis
   Pinyon Pine
10. Pinus halepensis
    Aleppo Pine
11. Platanus racemosa
    California Sycamore
12. Quercus agrifolia
    Coast Live Oak
13. Sequoia sempervirens
    Coast Redwood
14. Alnus glutinosa
    Australian Tree Fern
15. Artemisia tridentata
    Great Basin Sagebrush
16. Castilleja fasciculata
    Firecracker
17. Crocosmia masonorum
    Red Canna Lily
18. Dahlia pinnata
    Dahlia
19. Datura stramonium
    Datura
20. Echinocactus grusonii
    Golden Barrel Cactus
21. Echinopsis huascha
    Red Torch Cactus
22. Euphorbia cyathophora
    Parviflora
23. Euphorbia tirucalli
    Red Yucca
24. Lobelia siphilitica
    Lobelia
25. Lonicera japonica
    Japanese Honeysuckle
26. Olea europaea
    Common Olive
27. Paeonia officinalis
    Garden Peony
28. Rosa rugosa
    Rugosa Rose
29. Salvia officinalis
    Garden Sage
30. Sambucus nigra
    Elderberry
31. Solanum tuberosum
    Potato
32. Taubenaufia pumila
    Taubenaufia
33. Vachellia nilotica
    Black Locust
34. Vitis vinifera
    Vine
35. Zinnia elegans
    Zinnia

Biology Teaching Gardens

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LEGEND

1. Natural Pond with Concrete Liner, 560 sf
2. Concrete Boardwalk Edge at Gymnasium
3. Dry Stream Bed with Cobble and Crushed Stone
4. Boulder, typ. 2’ to 4’
5. Decomposed Granite Path
6. Riparian Planting
7. Stormwater Filtration Plantings
8. Bench and Picnic Table Seating
9. Informal Boulder Seating
10. Access Shelf, 2’ wide, 12” Deep
11. Stepping Boulders for Deep Water Access
12. Light Waterfall (Trickle) Source

Pond Enlargement
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EPT DESIGN
Site Furnishings Concepts

Site Furnishings
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EPT DESIGN
Day One Planting Scale

Design Development Plan: Day One Planting Scale

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