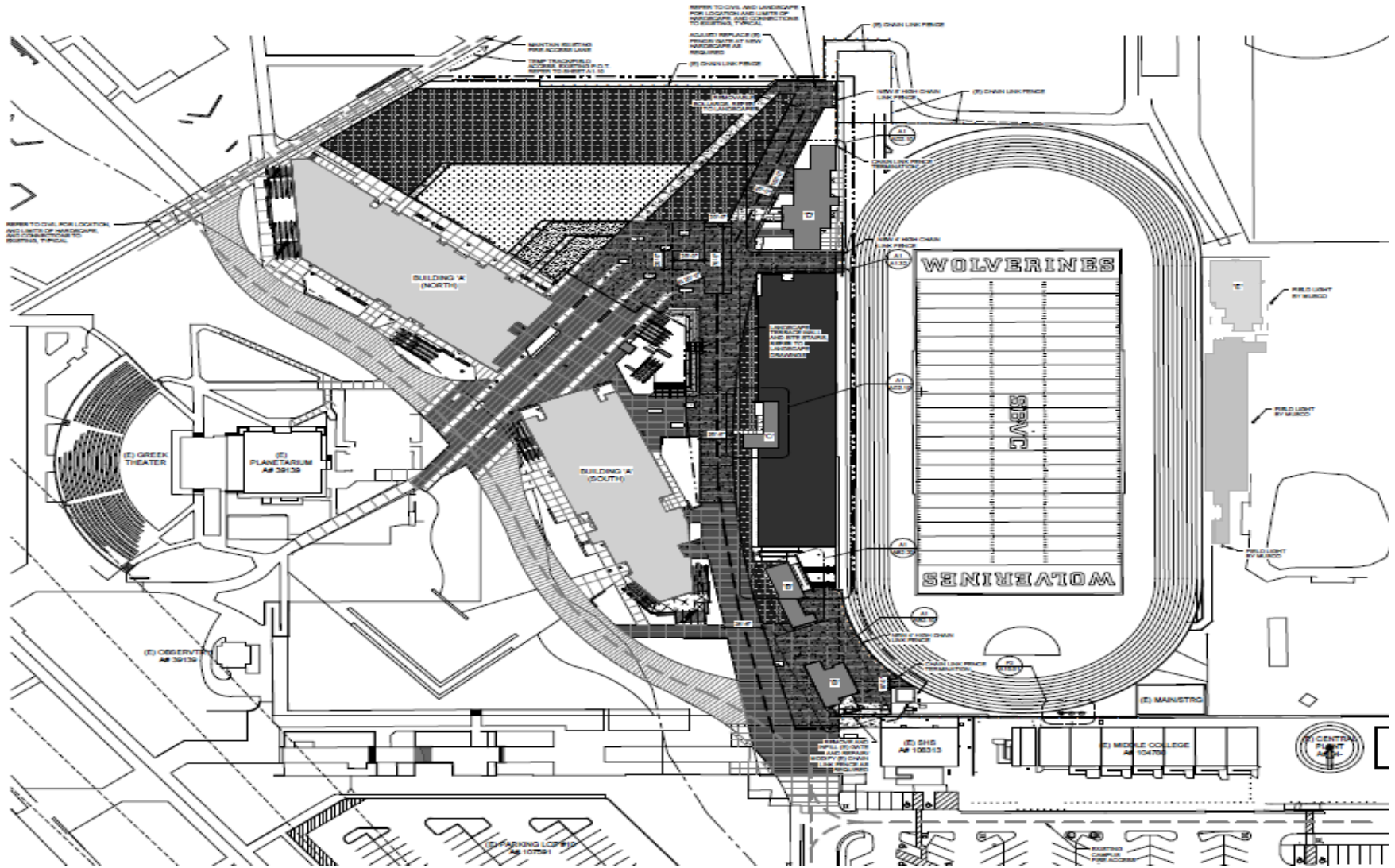


San Bernardino Valley College Gymnasium Project Landscape Overview

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



Existing Site

■ 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



Proposed Site

■ 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

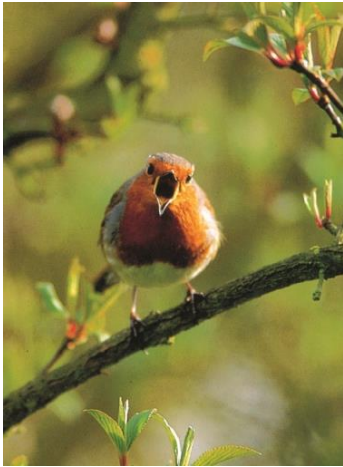


- Reduce Maintenance
 - Majority Spreading Plants with Open Spacing
 - Oak Woodland
 - Natural Mulch Ground Plain
 - Efficient Irrigation Systems



Landscape Design Goals

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









Landscape Design Goals

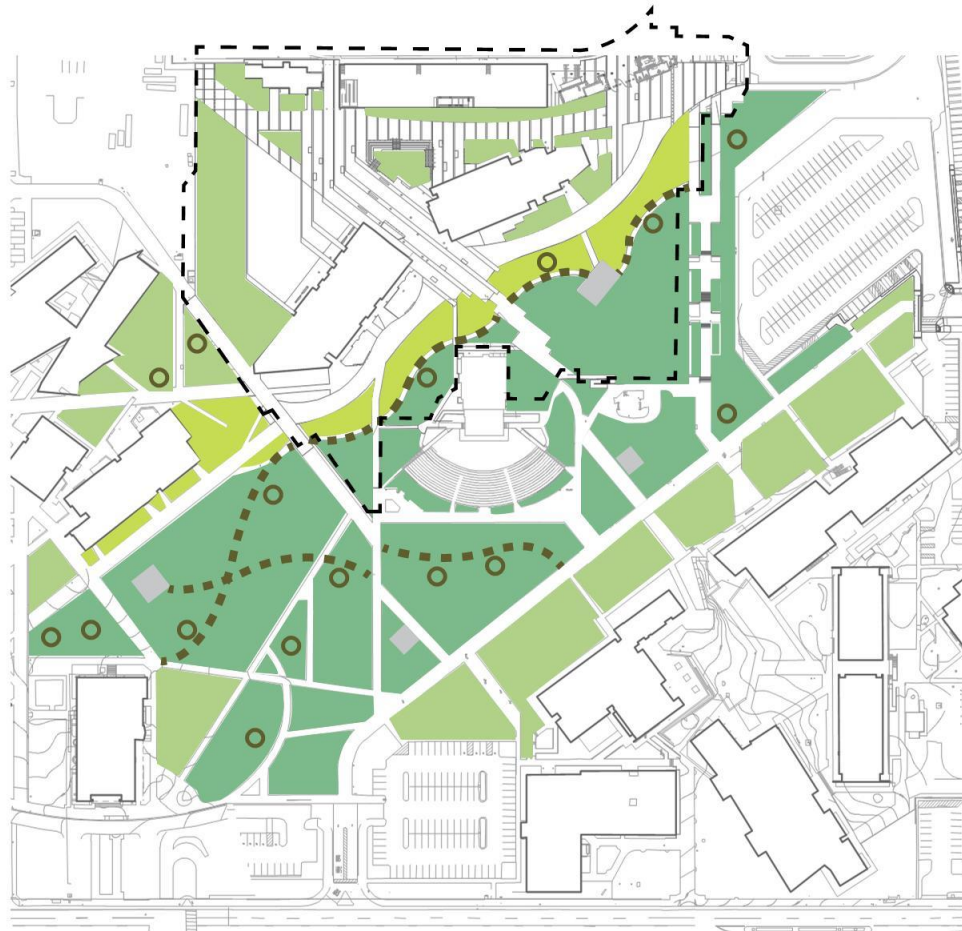
- Outdoor Education
 - Natural Pond
 - Biology Learning Gardens
 - Outdoor Teaching Spaces



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 Bernardino, CA

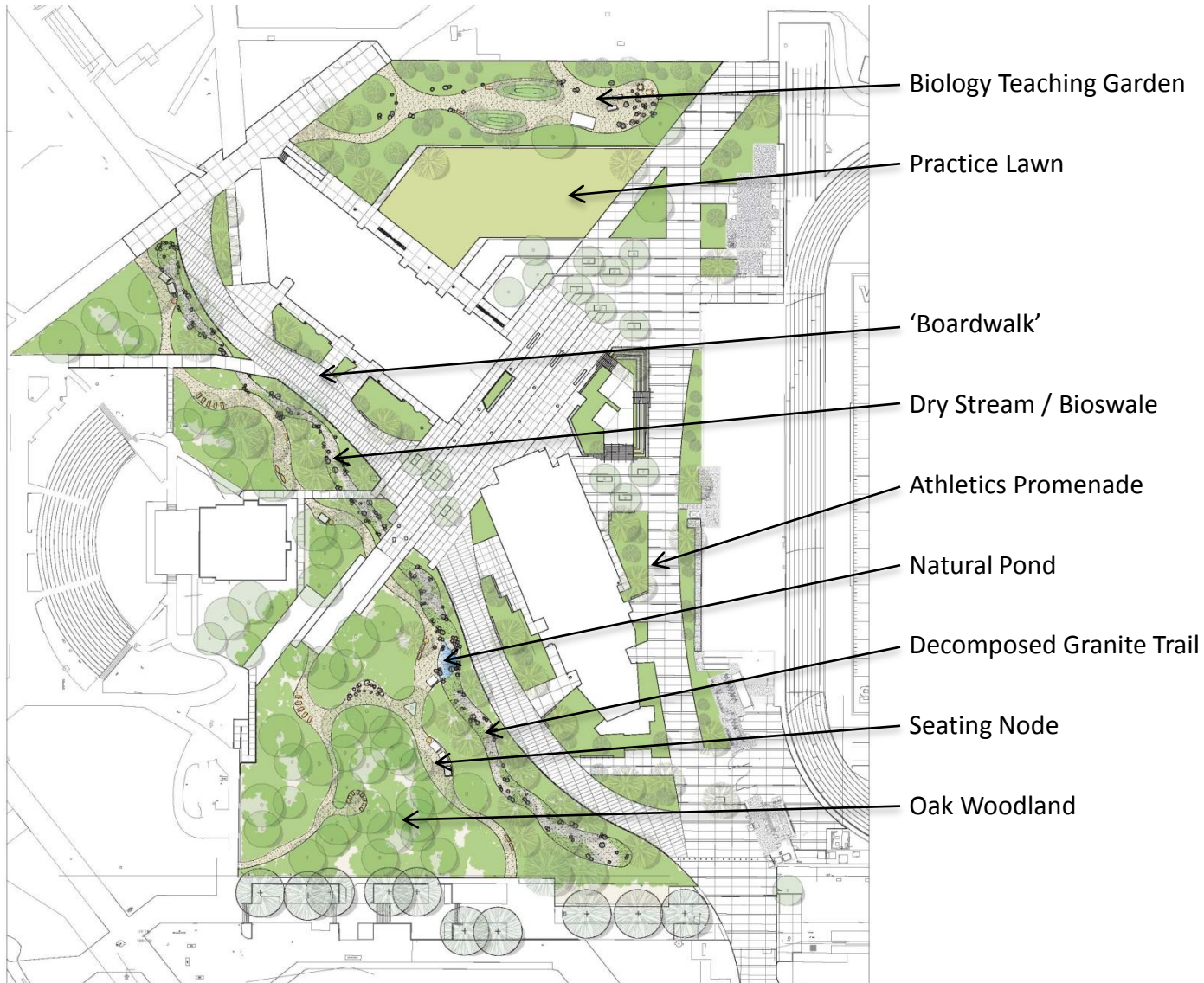
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March 2014



Landscape Design



Landscape Design



Teaching Gardens

LEGEND

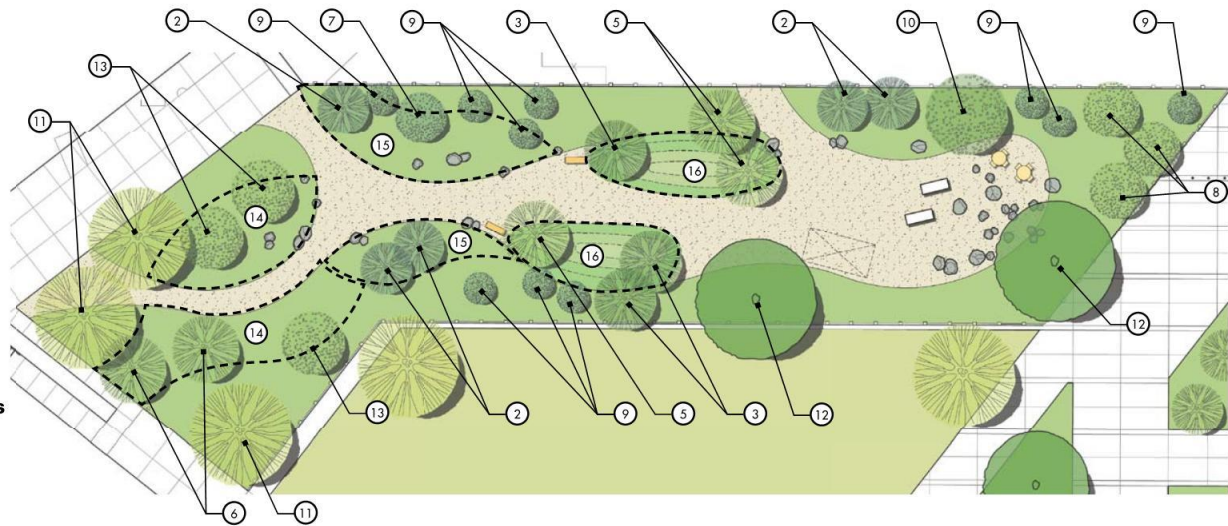
- ① Alder rhombifolia
White Alder
- ② Calocedrus decurrens
Incense Cedar
- ③ Cercidium x 'Desert Museum'
Thornless Palo Verde
- ④ Cercis occidentalis
Western Redbud
- ⑤ Chilopsis linearis
Desert Willow
- ⑥ Ginkgo biloba 'Autumn Gold'
Ginkgo Tree
- ⑦ Juniperus californica
California Juniper
- ⑧ Pinus 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 Mesozoic Garden
Alsophila australis
Australian Tree Fern
Cycas revoluta
Sago Palm
Polystichum munitum
Sword Fern

- ⑮ Dry Woodland Zone
Artemisia tridentata
Great Basin Sagebrush
Encelia farinosa
Brittlebush
Eriogonum fasciculatum
California Buckwheat
Larrea tridentata
Creosote Bush
Salvia melifera
Black Sage

- ⑯ Desert Habitat
Agave spp
Aloe arborescens
Torch Aloe
Asclepias subulata
Desert Milkweed
Crassula arborescens
Silver Dollar Plant
Crassula ovata
Jade Plant
Dudleya brittonii (green form)
Chalk Dudleya

- Dudleya cymosa
Liveforever
Echinocactus grusonii
Golden Barrel Cactus
Echinopsis huascha (red)
Red Torch Cactus
Ferocactus cylindraceus
California Barrel Cactus
Fouquieria splendens
Octalio
Hesperaloe parviflora
Red Yucca
Yucca spp.



Biology Teaching Gardens

SBVC Gymnasium
San Bernardino, CA

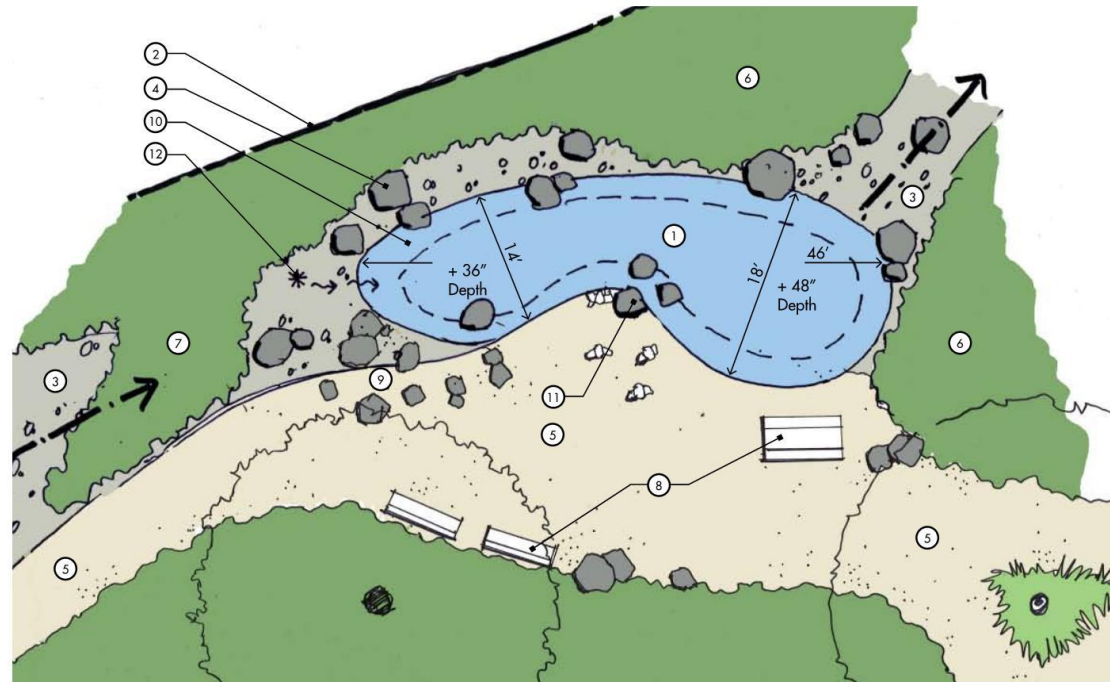
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Pond Schematic

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

SBVC Gymnasium
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Site Furnishings Concepts

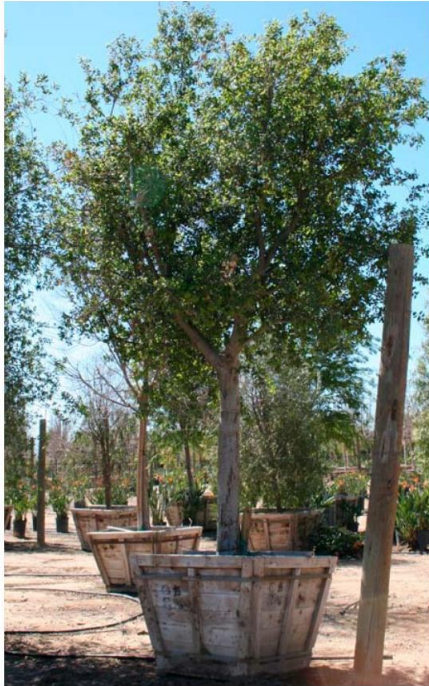


Site Furnishings

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Day One Planting Scale



48" Box Oak = 12' tall x 8' wide

Design Development Plan: Day One Planting Scale

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