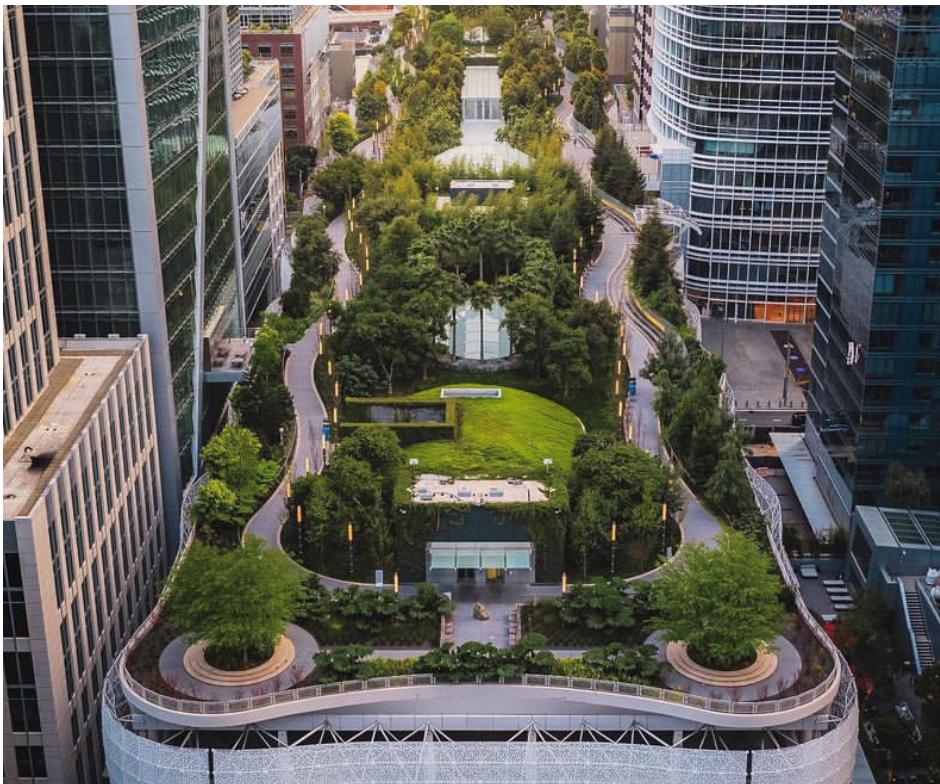


SAN FRANCISCO'S LANDSCAPES IN THE SKY FIELD SESSION

ASLA2022
DESIGNING A BETTER
FUTURE

ASLA 2022

Monday, November 14, 2022 8-5pm



OVERVIEW

Rooftop landscapes hold the promise of an expanded urban landscape that focuses on human experience, access to nature, and the potential to increase habitat and biodiversity in the city. This session will focus on the rooftops of San Francisco and will visit Salesforce Park and the California Academy of Sciences.

LEARNING OUTCOMES

1. Gain a detailed understanding of the challenges and opportunities of designing a rooftop park.
2. Learn about a broadened perspective of how green roofs can be performance landscapes and how to enhance biodiversity potential of green roofs.
3. Understand different contract-grow and pre-growing systems and contracts that were used in these projects.
4. Gain insight into the potential of design competitions and projects to influence planning on wider scales in cities, and on the detailed

SPEAKERS



ADAM GREENSPAN, ASLA

Adam Greenspan, a design partner at PWP Landscape Architecture, has been the lead designer on a wide range of projects including public parks, campuses, mixed use developments, competitions and estates. His background in art and sociology, combined with years of horticultural practice support an integrated approach to design and allow him to develop projects from many angles. Adam's recent projects include: the Newport Beach Civic Center Park, Constitution Gardens on the National Mall, Salesforce Transit Center Park and Glenstone Museum.



JASON DEWEES

Author of *Designing with Palms*—winner of the American Horticultural Society Book Award—Jason Dewees is the horticulturist at Flora Grubb Gardens in San Francisco and Grubb & Nadler Nurseries.

He works as a consultant for landscape architects, designers and gardeners. He has consulted for the Conservatory of Flowers, the UC Botanical Garden, the Presidio Trust, the San Francisco Department of Public Works, and the SF Botanical Garden, trained volunteers and docents, and propagated myriad trees.



ASHLEY LANGWORTHY, AICP, LEED AP

Ashley is the Director of Biederman Redevelopment Venture's Western Region. With 20 years of experience, Ashley is instrumental in activating, developing, and rehabilitating complex urban projects, and she is currently working on projects in San Francisco, Honolulu, Dallas, and Portland. Ashley has extensive leadership experience overseeing urban redevelopment projects with multiple consultants and significant community outreach.



HAVEN KIERS, ASLA

Haven Kiers is an Assistant Professor of Landscape Architecture at UC Davis. She has worked in landscape architecture, city and environmental planning, project management, garden maintenance and academia. Haven's research investigates the intersection of ecology and aesthetics through studies examining the environmental benefits, technological progress, and acceptance of green infrastructure and sustainable design. Her work explores how science, design, and practice can converge to inform the creation of accessible, multi-functional landscapes that maximize cultural and environmental values.



ROBIN GROSSINGER

Robin Grossinger is a Principal at Second Nature Ecology and Design and a Senior Advisor to the San Francisco Estuary Institute's Urban Nature Lab--a team of scientists and designers translating ecological research into urban planning and design. He works internationally with cities, NGOs, and corporations. His work has been featured in a UN-Habitat Global Urban Lecture and covered by media from NPR to The New York Times. Publications include *Making Nature's City: A Science-based Framework for Building Urban Biodiversity* and *The Biological Deserts Fallacy: Cities in Their Landscapes Contribute More than We Think to Regional Biodiversity*.

- I. Introduction to situate the two main projects in San Francisco and the potential for rooftop landscapes in San Francisco and elsewhere.
- II. At Mission Square at the corner of Mission and Fremont Adam will present Salesforce Park and situate it within the planning goals of the SF Planning Department and the Transbay Joint Powers Authority that led to the design competition in 2007.
- III. The group will tour the Transit Center as well as the park above.

1. Focusing on:

- Initial design goals
- Design process and collaboration
- Art Integration
- Documentation and systems
- Planting design, selection, sourcing, layout and installation
- Post construction management/maintenance and performance over time

2. Ashley Langworthy will present the role and considerations of programming at the park and discuss how the programming affected visitation and how park closures also affect the park.
 3. Adam will present the design concepts of the park including programming, greywater capture, treatment and re-use, social recreation and the themed botanical garden concepts as the group circulates the park along the ½ mile loop.
 3. The group will stop at the picnic lawn where author and palm consultant Jason Dewees will discuss the specific horticultural needs and the climate of the Bay Area related to the palm species within the palm garden.
 4. The group will stop at the Amphitheater lawn where Adam will describe other aspects of construction and design of the project and Haven will discuss the Case Study efforts and the main aspects of performance that the academic team was able to identify and quantify.
 5. The group will continue tour of feature gardens with plants acclimated to the site and review interpretive program at the park, ending at the east end's wetland garden.

IV. The group will go down to the ground level where they will be picked up by bus to travel to Golden Gate Park.

V. Bus drop off at the de Young Museum where attendees can eat lunch at the de Young Café.

VI. Haven will lead a tour of the Barbro Osher Sculpture Garden and grounds of the de Young Museum. Highlights include:

1. Architecture by Herzog & de Meuron
2. Landscape architecture by Walter Hood
3. Sculptures by Claes Oldenberg, Andy Goldsworthy, James Turrell and others

VII. The group will ascend to the de Young's Hamon Tower Observation Floor where they will be able to view the skyline of the city from there and get a bird's eye view of the California Academy of Sciences green roof adjacent to the environs. Stop there for discussion – Green Roofs: Urban Biodiversity Hotspots, with Robin Grossinger.

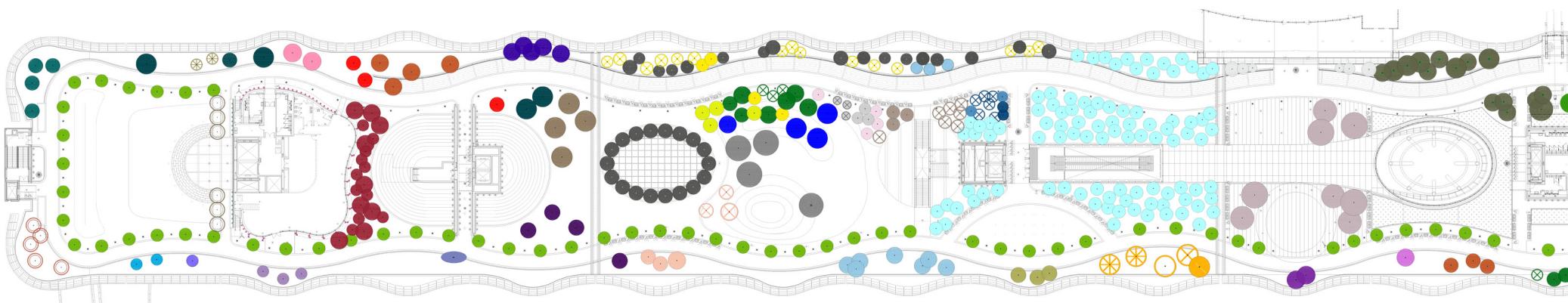
VIII. The group will walk across the central concourse to the California Academy of Sciences and ascend to the green roof where Haven will orient and discuss the design and green roof system and lead discussion on the Evolution of Plant Biodiversity on the Academy Green Roof.

AREA ID/ILLUSTRATIVE PLAN

The Park is designed as a verdant green space in the center of what will be the densest part of San Francisco. The goal is for visitors to feel that they are in nature and experiencing the wonders of the natural world.



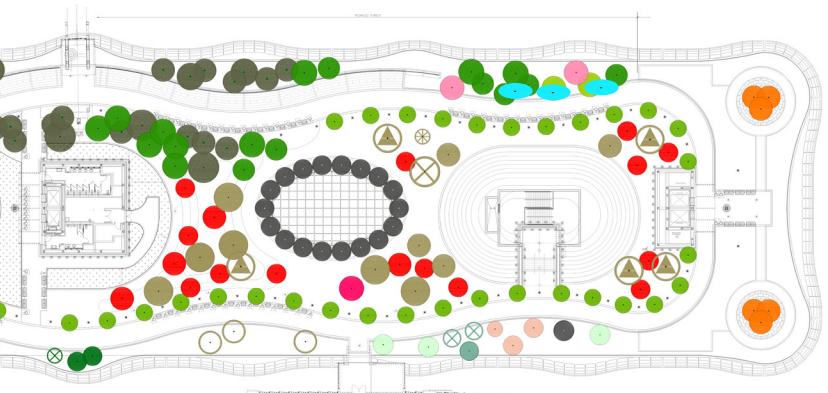
TREE PLANTING PLAN



● Acer palmatum	● Betula nigra	● Brahea edulis	● Chamaerops humilis v. Cerifera	● Howea belmoreana
● Aesculus californica	● Brachychiton acerifolia	● Butia capitata	● Cupressus macrocarpa	● Howea forsteriana
● Aloe tongaeensis	● Brachychiton discolor	● Calocedrus decurrens	● Dracaena draco	● Jubaea chilensis
● Araucaria araucana	● Brachychiton populneus	● Carpinus betulus	● Encephalartos altensteinii	● Lepidozamia peroffskyana
● Araucaria heterophylla	● Brachychiton rupestris	● Cedrus deodara	● Encephalartos natalensis	● Leptospermum laevigatum
● Arbutus 'Marina'	● Brahea 'Clara'	● Chamaerops humilis	● Ginkgo biloba varieties	● Leucadendron argenteum



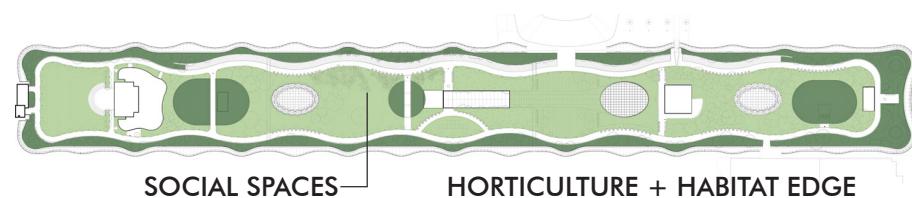
BEALE STREET



- *Livistona decipiens*
- *Lophostemon confertus*
- *Lyonothamnus floribundus*
- *Maytenus boaria 'Green Showers'*
- *Melaleuca nesophila*
- *Metrosideros excelsa*

- *Michelia champaca 'Alba'*
- *Olea europaea 'Swan Hill'*
- *Parajubaea cocoides*
- *Parrotia persica*
- *Pinus torreyana*
- *Platanus racemosa 'Roberts'*

- | | | | | | | | | | | | | |
|----------------------------|-----------------|----------------|-------------------------|--------------------|----------------------|--------------------|-------------------|--------------------|----------------|--------------|------------------------|--------------------|
| ❶ MAIN PLAZA + FUTURE CAFE | ❷ ARRIVAL GROVE | ❸ BAMBOO GROVE | ❹ SKYLIGHT RING GARDENS | ❺ PICNIC MEADOW | ❻ GONDOLA LANDING | ❷ OAK MEADOW | ❸ BRIDGE TO TOWER | ❹ BUS JET FOUNTAIN | ❽ AMPHITHEATER | ❾ RESTAURANT | ❿ CHILDREN'S PLAY AREA | ❬ SALESFORCE TOWER |
| ❻ GONDOLA LANDING | ❽ AMPHITHEATER | ❾ RESTAURANT | ❿ CHILDREN'S PLAY AREA | ❬ SALESFORCE TOWER | ❭ GROUNDCOVER MOUNDS | ❮ FICUS VINE WALLS | ❯ 181 FREMONT | | | | | |



The central spaces of the park are the social spaces – available for gathering, congregation and activity. There are also quieter spaces within the social center of the park where people can relax passively alone or in small groups. The outer ring around the park is not meant to be occupied by visitors and is focused on botanical horticulture and habitat. The feature gardens that ring the park focus on particular geographical bioregions or certain types of plants and welcome the flying residents of San Francisco into the park, away from human use.

- *Quercus agrifolia*
- *Quercus engelmannii*
- *Quercus suber*
- *Quercus tomentella*
- *Quercus virginiana*
- *Rhopalostylis sapida*
- *Rhus lancea*
- *Sequoia sempervirens 'Aptos Blue'*
- *Sequoiadendron giganteum 'Pendulum'*
- *Trachycarpus takil*
- *Ulmus parvifolia*
- *Washingtonia robusta x filifera*
- *Wollemia nobilis*

- *Quercus engelmannii*
- *Quercus suber*
- *Quercus tomentella*
- *Quercus virginiana*
- *Rhopalostylis sapida*
- *Rhus lancea*
- *Sequoia sempervirens 'Aptos Blue'*
- *Sequoiadendron giganteum 'Pendulum'*
- *Trachycarpus takil*
- *Ulmus parvifolia*
- *Washingtonia robusta x filifera*
- *Wollemia nobilis*

SALESFORCE PARK PLANT LIST

TREES

- *Acer palmatum*
- *Acer palmatum 'Sango-kaku'*
- *Aesculus californica*
- *Aloe tongaensis*
- *Araucaria araucana*
- *Araucaria heterophylla*
- *Arbutus 'Marina'*
- *Betula jacquemontii*
- *Brachychiton acerifolius*
- *Brachychiton discolor*
- *Brachychiton populneus*
- *Brachychiton rupestris*
- *Brahea 'Clara'*
- *Brahea edulis*
- *Butia capitata*
- *Calocedrus decurrens*
- *Carpinus betulus*
- *Cedrus deodara*
- *Chamaerops humilis*
- *Cupressus macrocarpa*
- *Dracaena draco*
- *Encephalartos altensteinii*
- *Encephalartos natalensis*
- *Ginkgo biloba 'Autumn Gold'*
- *Ginkgo biloba 'Princeton Sentry'*
- *Howea belmoreana*
- *Howea forsteriana*
- *Jubaea chilensis*
- *Lepidozamia peroffskyana*
- *Leptospermum laevigatum*
- *Leucadendron argenteum*
- *Livistona decipiens*
- *Lophostemon confertus*
- *Lyonothamnus floribundus v. Asplenifolius*
- *Maytenus boaria 'Green Showers'*
- *Melaleuca nesophila*
- *Metrosideros excelsa*
- *Michelia champaca*
- *Olea europaea 'Swan Hill'*
- *Parajubaea cocoides*
- *Parrotia persica*
- *Pinus torreyana*
- *Platanus racemosa 'Roberts'*
- *Quercus agrifolia*
- *Quercus engelmannii*
- *Quercus rugosa*
- *Quercus suber*
- *Quercus tomentella*
- *Quercus virginiana*
- *Rhopalostylis baueri*
- *Rhopalostylis sapida*
- *Rhus lancea Rhus lanceolata*
- *Sequoia sempervirens 'Aptos Blue'*
- *Sequoiadendron giganteum 'Pendulum'*
- *Trachycarpus takil*
- *Trachycarpus wagnerianus*
- *Ulmus parvifolia*
- *Ulmus parvifolia 'Allee'*
- *Washingtonia robusta x filifera*

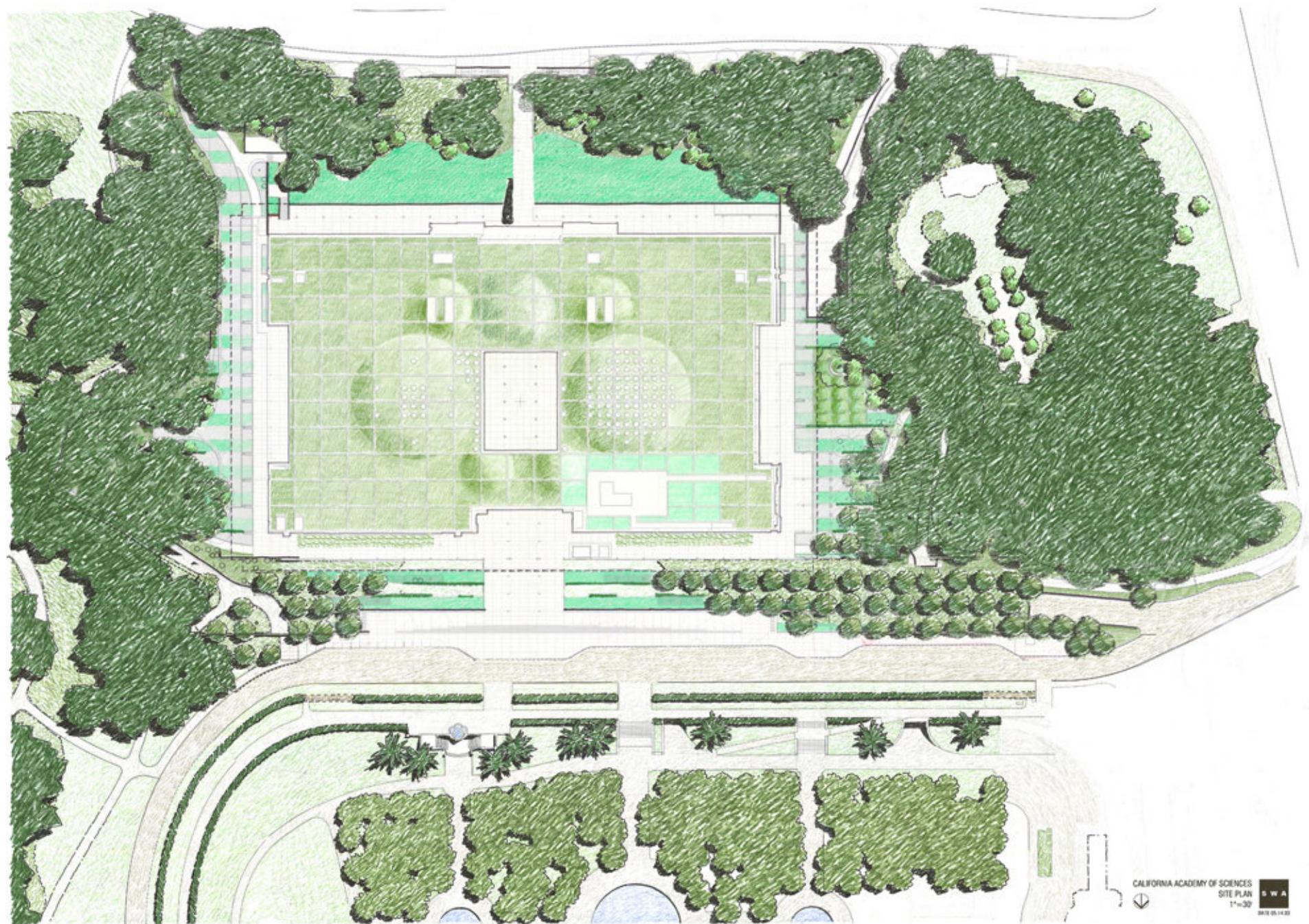
SHRUB AND GROUNDCOVER PLANTING SPECIES

- *Acacia boormanii*
- *Acacia cognata 'Cousin Itt'*
- *Acacia iteaphylla*
- *Acacia vestita*
- *Acanthus mollis*
- *Acorus gramineus 'Ogon'*
- *Adenanthes cuneatus 'Coral Drift'*
- *Adenanthes sericeus*
- *Adenanthes 'Silver Haze'*
- *Aeonium arboreum 'Zwartkop'*
- *Aeonium haworthii Aeonium 'Mint Saucer'*
- *Aeonium psuedotabulaforme*
- *Agapanthus 'Storm Cloud'*
- *Agapetes serpens*
- *Agave attenuata*
- *Agave 'Blue Glow'*
- *Agave celsii albicans 'UCB'*
- *Agave filifera*
- *Agave gemminiflora*
- *Agave ovatifolia*
- *Agave victoriae-reginae*
- *Aloe arborescens*
- *Aloe brevifolia*
- *Aloe camperi*
- *Aloe castanea*
- *Aloe ferox*
- *Aloe marlothii*
- *Aloe plicatilis*
- *Aloe sp. 'Birds & Bees'*
- *Aloe speciosa*
- *Aloe striata*
- *Aloe thraskii*
- *Aloe vaombe*
- *Alstroemeria 'The Third Harmonic'*
- *Alyogyne huegelii*
- *Anemanthele lessoniana*
- *Anigozanthos 'Big Red'*
- *Arbutus unedo 'Compacta'*
- *Arctostaphylos 'Howard McMinn'*
- *Arctostaphylos 'Joun Dourley'*
- *Arctostaphylos pajaroensis 'Paradise'*
- *Arctotis 'Sunspot'*
- *Aristea major*
- *Artemisia 'Powis Castle'*
- *Astelia chathamica*
- *Astelia nivicola 'Red Gem'*
- *Azara dentata*
- *Azara microphylla*
- *Babiana stricta*
- *Banksia ashbyi*
- *Banksia ericifolia*
- *Banksia menziesii*
- *Banksia speciosa*
- *Berberis darwinii*
- *Berberis lomariifolia*
- *Beschorniera yuccoides*
- *Blechnum brasiliense*
- *Blechnum gibbum 'Silver Lady'*
- *Bolax glebaria*
- *Brachyglottis 'Silver Dormouse'*
- *Bulbine frutescens*
- *Calamagrostis foliosus*
- *Calothamnus quadrifidus 'Seaside'*
- *Cantua buxifolia*
- *Capparis spinosa*
- *Carex albula*
- *Carex divulsa*
- *Carex flagellifera*
- *Ceanothus arboreus 'Cliff Schmidt'*
- *Ceanothus 'Concha'*
- *Ceanothus 'Frosty Blue'*
- *Ceanothus 'Ray Hartman'*
- *Ceanothus 'Yankee Point'*
- *Cestrum newellii*
- *Chamaerops humilis 'Cerifera'*
- *Chamelaucium 'Purple Pride'*
- *Chondropetalum elephantium*
- *Chondropetalum tectorum*
- *Chorizema 'Bush Flame'*
- *Cistanthe grandiflora 'Jazz Time'*
- *Cistus ladanifer 'Blanche'*
- *Cleistocactus strausii*
- *Coprosma 'Coppershine'*
- *Cordyline australis 'Jel01'*
- *Cordyline glauca*
- *Coreopsis gigantea*
- *Cornus sericea 'Isanti'*
- *Correa 'Ivory Bells'*
- *Corynocarpus laevigatus*
- *Cotinus coggygria 'Royal Purple'*
- *Cotyledon orbiculata var. oblonga 'Flavida'*
- *Crassula muscosa*
- *Crinodendron hookerianum*
- *Cussonia paniculata sinuata*
- *Cussonia spicata*
- *Cyathea copperi*
- *Cycas panzhuhuaensis*
- *Cycas thoursii*
- *Dasyliion longissimum*
- *Deppea splendens*
- *Dianella tasmanica*
- *Dianella tasmanica 'Casa Blue'*
- *Dianella tasmanica 'Tasred'*
- *Dichroa febrigua*
- *Dicksonia antarctica*

- *Dierama pulcherrimum*
- *Dieteria 'Lemon Drop'*
- *Distictis buccinatoria*
- *Doryanthes palmeri*
- *Dryopteris erythrosora*
- *Dudleya brittonii*
- *Dudleya 'Frank Reinelt'*
- *Dyckia 'Jim's Red'*
- *Dymondia margaretae*
- *Echeveria 'Afterglow'*
- *Echeveria cante*
- *Echeveria elegans*
- *Echeveria 'Perle Von Nurnberg"*
- *Echeveria 'Red Edge'*
- *Echium candicans*
- *Echnopsis pachinoi*
- *Elegia capensis*
- *Encephalartos*
- *Equisetum scirpoides*
- *Erigeron glaucus*
- *Eriogonum giganteum*
- *Eriogonum grande rubescens*
- *Eriogonum latifolium*
- *Eriophyllum nevinii "Canyon Silver"*
- *Erysimum 'Bowle's Mauve'*
- *Escallonia 'Fradesii'*
- *Euphorbia characias wulfenii*
- *Euphorbia lambii*
- *Euryops virgineus*
- *Feijoa sellowiana*
- *Festuca californica*
- *Ficus pumilla*
- *Francoa appendiculata*
- *Francoa ramosa*
- *Fuchsia arborescens*
- *Fuchsia boliviana*
- *Fuchsia 'Del Campo'*
- *Furcraea macdougallii*
- *Garrya elliptica*
- *Geranium maderense*
- *Geranium sanguineum*
- *Grevillea 'Long John'*
- *Grevillea 'Moonlight'*
- *Grevillea 'Peaches and Cream'*
- *Grevillea 'Red Hooks'*
- *Griselinia littoralis*
- *Gunnera chilensis*
- *Helleborus argutifolius*
- *Heracleum lanatum*
- *Heterocentron elegans*
- *Heteromeles arbutifolia*
- *Heuchera 'Santa Ana Cardinal'*
- *Hippeastrum papilio*
- *Iris douglasiana Iris 'Nada'*
- *Isolepis cernua*
- *Isopogon*
- *Juncus effusus 'Quartz Creek'*
- *Juncus pallidus*
- *Juncus patens 'Elk Blue'*
- *Kalanchoe beharensis*
- *Lapageria rosea*
- *Laurus nobilis*
- *Lavandula x intermedia 'Grosso'*
- Leonotis leonurus
- *Lepidozamia peroffskiana*
- *Leptospermum 'Ruby Glow'*
- *Leucadendron 'Jubilee Crown'*
- *Leucadendron 'Chief'*
- *Leucadendron linifolium*
- *Leucadendron 'More Silver'*
- *Leucadendron 'Safari Goldstrike'*
- *Leucophyta brownii*
- *Leucospermum 'Blanche Ito'*
- *Leucospermum praecox 'Patricia'*
- *Leucospermum 'Veldfire'*
- *Libertia peregrinans*
- *Limonium perezii*
- *Lomandra hystrix 'Tropic Belle'*
- *Lomandra longifolia 'Breeze'*
- *Luma apiculata*
- *Lupinus albifrons*
- *Lupinus arboreus*
- *Macrozamia communis*
- *Macrozamia johnsonii*
- *Macrozamia longispina*
- *Macrozamia moorei*
- *Melaleuca incana*
- *Melianthus major*
- *Metrosideros collina 'Springfire'*
- *Michelia champaca*
- *Microlepia strigosa*
- *Mimulus aurantiacus*
- *Misanthus transmorrisonensis*
- *Muhlenbergia rigens*
- *Myoporum parvifolium*
- *Myrica californica*
- *Myrtus communis*
- *Neomarica Caerulea*
- *Nepeta reichenbachiana*
- *Olea europaea 'Montra'*
- *Origanum laevigatum 'Hopleys'*
- *Oscularia deltoides*
- *Osmanthus fragrans*
- *Otatea accuminata*
- *Pelargonium tomentosum*
- *Pennisetum spathiolatum*
- *Phlomis fruticosa*
- *Phormium 'Dusky Chief'*
- *Phyllica pubescens*
- *Phylostachys bambusoides*
- *Pittosporum crassifolium*
- *Plectranthus neochilus*
- *Plumbago auriculata*
- *Polystichum munitum*
- *Protea cyranoidea*
- *Protea 'Pink Ice'*
- *Psoralea pinnata*
- *Punica granatum 'Nana'*
- *Puya alpestris*
- *Puya coerulea var. coerulea*
- *Rhamnus alaternus*
- *Rhamnus alaternus 'Variegata'*
- *Rhamnus californica 'Eve Case'*
- *Rhus integrifolia*
- *Ribes aureum*
- *Ribes californicum*
- *Ribes sanguineum*
- *Romneya coulteri*
- *Rosmarinus officinalis 'Tuscan Blue'*
- *Rubus parvifolius*
- *Rubus pentalobus 'Emerald Carpet'*
- *Russelia equisetiformis*
- *Salvia apiana*
- *Salvia clevelandii 'Winnfred Gilman'*
- *Santolina neapolitana 'Lemon Queen'*
- *Senecio mandraliscae*
- *Sesleria autumnalis*
- *Setaria palmifolia*
- *Silene maritima*
- *Sisyrinchium striatum*
- *Stipa gigantea*
- *Strelitzia reginae*
- *Strelitzia juncea*
- *Symporicarpos albus*
- *Tecomaria capensis*
- *Teucrium fruiticans*
- *Tibouchina heteromalla*
- *Trachelospermum asiaticum*
- *Trevesia palmata*
- *Ugani moliniae*
- *Vancouveria hexandra*
- *Viburnum davidii*
- *Westringia 'Wynyabbie Gem'*
- *Wollemia nobilis*
- *Woodwardia fimbriata*
- *Xanthorrhoea preissii*

CALIFORNIA ACADEMY OF SCIENCES PLANT LIST

Scientific Name	Common name
<i>Achillea millefolium</i>	Common Yarrow
<i>Acmispon glaber</i>	
(syn. <i>Lotus scoparius</i>)	Deerweed
<i>Ambrosia chamissonis</i>	Beach Bur
<i>Anaphalis margaritacea</i>	Pearly Everlasting
<i>Anthoxanthum occidentale</i>	
(syn. <i>Hierochloe occidentalis</i>)	California Sweet Grass
<i>Aquilegia formosa</i>	Western Columbine
<i>Arctostaphylos edmundsii</i> 'Big Sur'	Big Sur Manzanita
<i>Arctostaphylos uva-ursi</i>	Kinnikinnick
<i>Armeria maritima</i> ssp. <i>californica</i>	Sea Pink
<i>Artemisia californica</i>	California Sagebrush
<i>Artemisia douglasiana</i>	Mugwort
<i>Artemisia pycnocephala</i>	Beach Sagewort
<i>Asarum caudatum</i>	Wild Ginger
<i>Astragalus nuttallii</i>	Nuttall's Milkvetch
<i>Baccharis pilularis</i>	Coyote Bush
<i>Baccharis pilularis</i> 'Twin Peaks'	Coyote Bush
<i>Carex pansa</i>	Sand Dune Sedge
<i>Carex praegracilis</i>	Clustered Field Sedge
<i>Ceanothus maritimus</i>	Maritime Ceanothus
<i>Ceanothus thyrsiflorus</i> var. <i>griseus</i>	
(syn. <i>Ceanothus griseus</i> var. <i>horizontalis</i>)	Yankee Point Lilac
<i>Clinopodium douglasii</i>	
(syn. <i>Satureja douglasii</i>)	Yerba Buena
<i>Corethrodryne filaginifolia</i>	
(syn. <i>Lessertia filaginifolia</i> var. <i>filaginifolia</i>)	Common Sandaster
<i>Dudleya caespitosa</i>	Coast Dudleya
<i>Dudleya cymosa</i>	Canyon Liveforever
<i>Dudleya farinosa</i>	Powdery Liveforever
<i>Dudleya lanceolata</i>	Lanceleaf Liveforever
<i>Dudleya pulverulenta</i>	Chalk Dudleya
<i>Epilobium canum</i> ssp. <i>canum</i>	California Fuchsia
<i>Dudleya lanceolata</i>	Lanceleaf Liveforever
<i>Dudleya pulverulenta</i>	Chalk Dudleya
<i>Epilobium canum</i> ssp. <i>canum</i>	California Fuchsia
<i>Epilobium canum</i> ssp. <i>canum</i>	
'Everett's Choice'	California Fuchsia
<i>Equisetum hyemale</i>	Scouringrush Horsetail
<i>Erigeron glaucus</i>	Seaside Daisy
<i>Eriogonum grande</i> var. <i>rubescens</i>	Redflower Buckwheat
<i>Eriogonum latifolium</i>	Coast Buckwheat
<i>Eriogonum parvifolium</i>	Seacliff Buckwheat
<i>Eriogonum umbellatum</i>	Sulphur Flower Buckwheat
<i>Eriophyllum staechadifolium</i>	Lizard Tail
<i>Eschscholzia californica</i>	California Poppy
<i>Eschscholzia californica</i> 'Maritima'	California Poppy
<i>Festuca brachyphylla</i>	
ssp. <i>breviculmis</i> 'Pt. Joe'	Point Joe Fescue
<i>Festuca californica</i>	California Fescue
<i>Festuca rubra</i>	
'Patricks Point'	Red Fescue
<i>Fragaria chiloensis</i>	Beach Strawberry
<i>Frangula californica</i>	'Eve Case'
(syn. <i>Rhamnus californica</i> 'Eve Case')	California Coffeeberry
<i>Grindelia hirsutula</i>	Hairy Gumweed
<i>Grindelia stricta</i>	Gumweed
<i>Heuchera maxima</i>	Island Alumroot
<i>Heuchera micrantha</i>	Alumroot
<i>Iris douglasiana</i>	Douglas Iris
<i>Juncus balticus</i>	Baltic Rush
<i>Juncus patens</i>	Spreading Rush
<i>Juncus xiphioides</i>	Irisleaf Rush
<i>Lasthenia californica</i>	Goldfields
<i> Layia platyglossa</i>	Tidy Tips
<i>Leymus mollis</i>	American Dune Grass
<i>Lonicera hispidula</i>	Pink Honeysuckle
<i>Lupinus arboreus</i>	Yellow Bush Lupine
<i>Lupinus bicolor</i>	Miniature Lupine
<i>Lupinus nanus</i>	Sky Lupine
<i>Lupinus variicolor</i>	Manycolored Lupine
<i>Mimulus aurantiacus</i>	Sticky Monkeyflower
<i>Mimulus cardinalis</i>	Scarlet Monkeyflower
<i>Mimulus guttatus</i>	Seep Monkeyflower
<i>Monardella villosa</i>	Coyote Mint
<i>Morella californica</i> (syn. <i>Myrica californica</i>)	California Wax Myrtle
<i>Muhlenbergia rigens</i>	Deer Grass
<i>Nemophila menziesii</i>	Baby Blue Eyes
<i>Oenothera elata</i>	
ssp. <i>hookeri</i>	Yellow Evening Primrose
<i>Penstemon heterophyllus</i>	Foothill Penstemon
<i>Phacelia californica</i>	California Phacelia
<i>Plantago erecta</i>	California Plaintain
<i>Polystichum munitum</i>	Western Sword Fern
<i>Prunella vulgaris</i> ssp. <i>lanceolata</i>	Selfheal
<i>Pteridium aquilinum</i> var. <i>pubescens</i>	Bracken Fern
<i>Ranunculus californicus</i>	California Buttercup
<i>Ribes speciosum</i>	Fuchsia-Flowered
<i>Gooseberry</i>	
<i>Rosa californica</i>	California Wild Rose
<i>Rubus ursinus</i>	California Blackberry
<i>Salvia mellifera</i>	Black Sage
<i>Salvia sonomensis</i>	Sonoma Sage
<i>Salvia spathacea</i>	Hummingbird Sage
<i>Scrophularia californica</i>	Bee Plant
<i>Sedum spathulifolium</i>	Stonecrop
<i>Sidalcea malvaeflora</i>	Checker Mallow
<i>Sisyrinchium bellum</i>	Blue-Eyed Grass
<i>Sisyrinchium bellum</i>	
'Rocky Point'	Blue-Eyed Grass
<i>Sisyrinchium californicum</i>	Golden-Eyed Grass
<i>Solidago velutina</i> ssp. <i>californica</i>	California Goldenrod
<i>Stachys bullata</i>	California Hedge Nettle
<i>Stipa pulchra</i>	
(syn. <i>Nassella pulchra</i>)	Purple Needle Grass
<i>Syphoricarpos albus</i> 'Tilden Park'	Common Snowberry
<i>Symphyotrichum chilense</i>	
(syn. <i>Aster chilensis</i>)	Pacific Aster
<i>Woodwardia fimbriata</i>	Giant Chain Fern



CALIFORNIA ACADEMY OF SCIENCES
SITE PLAN
1" = 30'
SWA
8478.05.14.20

TOOLS AND RESOURCES

Salesforce Transit Center and Park

www.pwpla.com/projects/salesforce-transit-center/&details

www.pacifichorticulture.org/articles/back-to-nature/

www.pwpla.com

www.brvcorp.com

www.sfei.org/projects/making-natures-city

<http://www.sftrees.com/salesforce-roof-park-walking-tour>

<https://salesforcenorthamerica.com/wp-content/uploads/2020/02/salesforce-park-garden-guide-printable.pdf>

<https://salesforcenorthamerica.com/salesforce-park/>

<https://tjpa.org/>

California Academy of Sciences

<https://www.calacademy.org/>

<https://www.calacademy.org/about-us/sustainability-in-action/green-building-operations>

<https://www.calacademy.org/exhibits/living-roof>

<https://www.asla.org/sustainablelandscapes/cas.html>

<https://greenroofs.org/>

<https://metropolismag.com/projects/spotlight-california-academy-sciences-green-roof/>

<https://www.pacifichorticulture.org/articles/an-evolving-landscape/>