



THE CITY OF SAN DIEGO

MEMORANDUM

DATE: September 30, 2021

TO: Balboa Park Committee  
Agenda of October 7, 2021

FROM: Christina Chadwick, Assistant Deputy Director, Parks and Recreation Department

SUBJECT: Natural History Museum General Development Plan

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**SUMMARY**

**Issues** – Should the Balboa Park Committee:

1. Advise the proposed General Development Plan (GDP) for the Natural History Museum is consistent with the Balboa Park Master Plan (BPMP) and Central Mesa Precise Plan (CMPP); and
2. Recommend approval of the proposed (GDP) for the Natural History Museum?

**Department Recommendations**

1. Advise the proposed GDP for the Natural History Museum is consistent with the BPMP and CMPP; and
2. Recommend approval of the proposed GDP.

**Other Recommendations** – None

**Fiscal Statement** – There is no fiscal impact associated with this action.

**Environmental Review** – The City of San Diego Development Services Department has advised Parks and Recreation staff that the proposed Project is consistent with the existing Environmental Impact Report (EIR) prepared for the Balboa Park Master Plan (BPMP) and Supplemental Environmental Impact Report (SEIR) prepared for the Central Mesa Precise Plan (CMPP). This includes determination that the proposed Project is consistent with historic preservation standards. The City of San Diego, as

lead agency, will provide a consistency memorandum to that effect consistent with California Environmental Quality Act (CEQA) guidelines.

**Housing Impact** - None

## **BACKGROUND**

Balboa Park is located immediately north of downtown San Diego. The Park is surrounded by the communities of Golden Hill, North Park, Uptown, and Downtown. Balboa Park is one of the City's largest developed parks at 1,172 acres and is host to numerous passive and active recreational activities, cultural and educational institutions, and special events. Over 12 million visitors come to Balboa Park each year to enjoy the diversity of activities the Park has to offer.

Development, maintenance, and management of Balboa Park are governed by the BPMP, the CMPP, the East Mesa Precise Plan, and subsequent amendments to those documents. The BPMP is a part of the City's General Plan and implements land use policies for Balboa Park.

The BPMP was adopted by City Council on July 25, 1989 (Resolution No. R-274090). Subsequent amendments to the BPMP have been adopted by City Council on December 9, 1997 (R-289537); on May 4, 1998 (R-290039-1); on April 13, 2004 (R-299084-1); on September 21, 2004 (R299666); and on July 9, 2012 (R-307555-1). The BPMP addresses the entirety of Balboa Park and provides general guidelines for development, maintenance, and management.

The CMPP was adopted by City Council on October 20, 1992 (Resolution R-280920). Subsequent amendments to the CMPP have been adopted by City Council on May 4, 1998 (R-290031-2); on March 19, 1992 (R-296206); on April 13, 2004 (R-299084-2); and on July 9, 2012 (R-307555-2). The CMPP addresses the central portion of Balboa Park in greater detail than does the BPMP.

A large portion of Balboa Park's Central Mesa is included in the federally designated National Historic Landmark District (NHLD). As such, any improvements within the NHLD must meet the Secretary of the Interior's Standards for Rehabilitation. Determination of compliance is made by the City of San Diego Historic Resources staff and the Historic Resources Board.

The Natural History Museum (The NAT) is located in the East Prado area of the Park. The building was originally constructed in 1933 and was expanded to the northeast 2001. The current landscaping around the NAT was installed at the time of the building expansion. The building is a contributing element to the NHLD.

The CMPP speaks extensively to the landscape character of the Central Mesa and more specifically the NHLD. Descriptions of the 1915 and 1936 Exposition landscape theme are described as lush and exotic. More detail on this subject is provided under Discussion below.

## **DISCUSSION**

### ***Project Description***

The NAT would like to expand educational opportunities outdoors into the landscape immediately surrounding the museum. The landscaping would be replanted to highlight San Diego native drought tolerant plant materials as well as provide information on the plants and their many uses beyond simple landscaping. Education would include how the plants contribute to the ecosystem, how they may have been used by Native Americans, medicinal uses, and water savings.

New decomposed granite walkways would be provided to allow tours through the landscapes. The decomposed granite would provide a natural and permeable surface while remaining accessible. Most of the walkways would be geometric in nature to be compatible with the formal design of Balboa Park. The exception would be at the northeast corner of the museum where the walkway and gathering area would be more organically designed to be compatible with the existing pathway and seating area to the north.

The landscaping around the museum would be organized into five sub-gardens: the Boulder Gathering Area, the Pollinator Garden, the Canopy Garden, the Seasonal Sensory Garden, and the North Shade Garden. Each garden presents a different educational opportunity with its own plant palette.

- ❖ The Boulder Gathering Area: this garden is located at the northeast corner of the museum. The garden replaces rarely used turf and provides a gathering space for park users as well as an outdoor classroom. The existing turf would be replaced with natural boulders, decomposed granite paving and customized benches to provide seating. Benches would be made of natural stone and lumber, creating a more natural environment. The gathering area would extend a decomposed granite path and landscaping to the north, connecting to the existing naturalized seating area created by Balboa Park staff. Existing trees in this area would be retained. Landscaping for the Boulder Gathering Area would extend to the existing planters located on the east side of the museum.
- ❖ Pollinator Garden: this garden is located at the southwest corner of the museum along El Prado. A new decomposed granite walkway would be provided to allow people to walk through the garden. Additional bench seating would also be provided. Some of the existing turf in this area would be removed to allow for more drought tolerant planting while maintaining the more formal strips of turf along El Prado.

The plant palette for this garden would feature flowering plants that are pollinated by and provide habitat to various birds and insects.

- ❖ **Canopy Garden:** there is a moderately sized Moreton Bay Fig tree located at the southwest corner of the museum as well as several Palm tree species. The Moreton Bay Fig is the same species as the tree in the lawn area north of the museum and has a span of approximately 45-50 feet. To protect this tree, the garden will feature understory plantings only. A new decomposed granite walkway would be provided on the south side, separating the garden from the turf area and allowing a closer view of the plants.
- ❖ **Seasonal Sensory Garden:** the landscaping on the east side of the museum would be a seasonal sensory garden featuring plants to stimulate the senses. Plants will have various colors, flowers, aromas, and textures. These plants would be changed out on a seasonal basis, providing a changing experience. A new decomposed granite walkway with a low concrete accent wall would be provided to allow people to enter the garden. Existing trees would be retained.
- ❖ **North Shade Garden:** the shade garden is located in the planter between the museum's accessible entrance and the Moreton Bay Fig lawn to the north. The small turf area would be removed and replaced with a small decomposed granite space with benches. Plant materials in this garden would feature native plants that can tolerate shade. Existing trees would be retained.

The proposed GDP also includes a new seating space in the Moreton Bay Fig lawn immediately north of the museum's entrance stairs. The seating area would be paved in concrete to match the existing walkway and include four Prado wood and cast-iron benches per the CMPP. The new pad would be approximately five feet wide by thirty-five feet long.

A workshop was held with the Balboa Park Committee on August 2, 2021. As a result of the workshop the following changes were incorporated into the current GDP:

- A small turf area at the northwest corner of the building (Shade Garden) was eliminated and a seating area provided.
- Milkweed was added to the plant palette for the Pollinator Garden.
- Accessible benches were added to the Boulder Gathering Area.

### *Analysis*

The CMPP has several references to the landscape theme of the 1915-16 and 1935-36 Expositions as being lush and exotic. The CMPP supports the lush and exotic appearance but recommends accomplishing that goal using drought tolerant plant materials.

The Landscape goal of the CMPP (page 144) states; “Rehabilitate and modify the Central Mesa’s landscape in a manner which preserves its historic significance, accommodates a wide variety of public park activities and increases public enjoyment of the Park environment.” A proposed garden that provides educational opportunities and introduces a variety of plant materials would meet this goal.

One of the planting guidelines of the CMPP (page 265) states; “Landscape planting should be designed to conserve as much water as possible.” Planting guidelines also state: “Lawns that primarily serve a primarily decorative function in small areas such as a street median planting should be phased out and replaced with drought tolerant low shrubs or groundcover.” The proposed GDP meets both guidelines by eliminating small patches of decorative turf and by providing a drought tolerant landscape.

The planting guidelines of the CMPP recommend “Existing significant plants and trees should be protected and well cared for” (page 265). The proposed GDP retains all existing trees and protects the Moreton Bay Fig at the southwest corner of the museum.

The landscape guidelines provide additional direction on plant selection (page 273); “Plant materials that possess the following characteristics should be included in these areas: - Exotic plant species that take full advantage of San Diego’s climate; - A lush, tropical appearance; - Plants that are particularly associated with San Diego or were popularized because of their appearance in the 1915 Exposition.” Native San Diego plant materials take advantage of San Diego’s climate and are particularly associated with San Diego.

The NAT proposes to provide and install all necessary improvements indicated on the proposed GDP. The NAT would also provide long-term maintenance of the landscape and irrigation systems. City staff would provide overall supervision of the landscaping and irrigation systems.

## **CONCLUSION**

The proposed GDP provides enhancements to the landscaping around the NAT that appear to be consistent with the goals of the BPMP and CMPP. The GDP also supports the goals of the Natural History Museum by providing educational opportunities to the public.

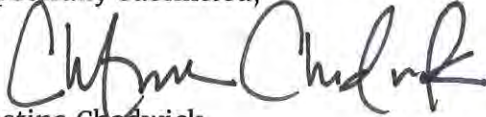
The proposed changes to the landscaping will be open and available to the general public as well as for special educational opportunities administered by the NAT. Free and open park land will not be reduced, and the leasehold boundaries of the NAT will not be changed.

## **ALTERNATIVES**

1. Advise the Proposed General Development Plan for the Natural History Museum is consistent with the BPMP and CMPP and recommend approval with conditions; or

2. Do not advise the proposed General Development Plan for the Natural History Museum is consistent with the BPMP and CMPP, and do not recommend approval of the proposed General Development Plan.

Respectfully submitted,



Christina Chadwick  
Assistant Deputy Director

CC/cd

- Attachment:
- A. Presentation
  - B. Natural History Museum GDP
  - C. Historical Preservation Memorandum

Parks and Recreation Department

# Balboa Park Natural History Museum GDP

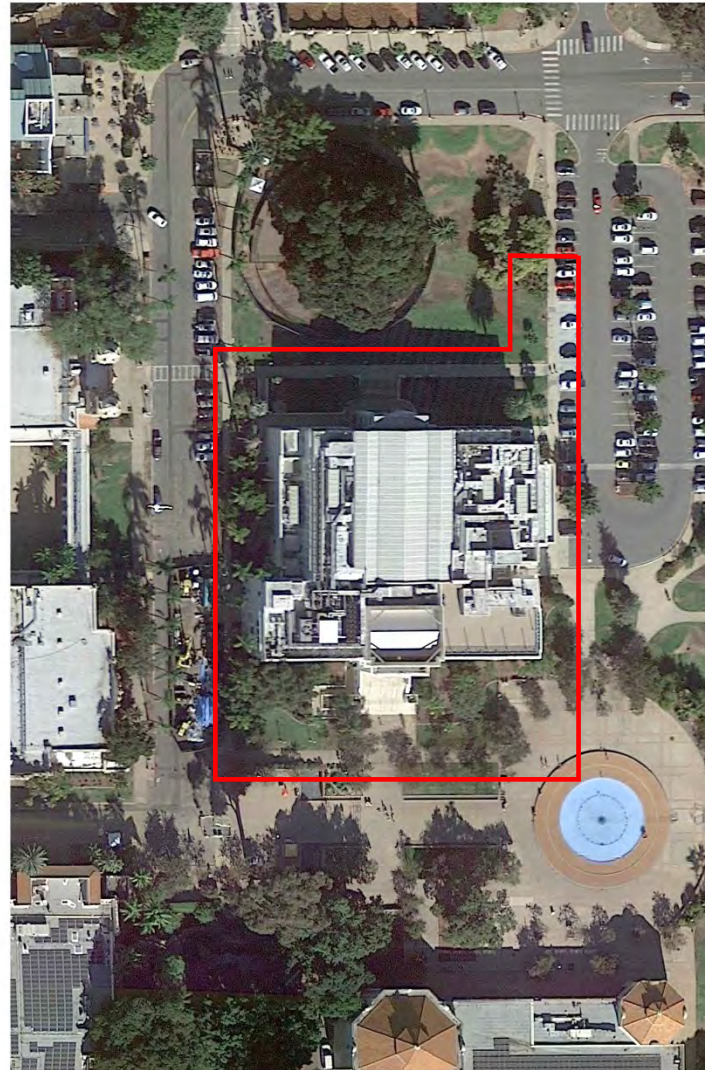
Balboa Park Committee  
October 7, 2021

# Requested Actions

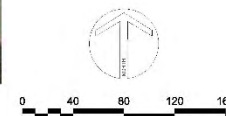
## Should the Balboa Park Committee:

- Advise the proposed General Development Plan (GDP) for the Natural History Museum is consistent with the Central Mesa Precise Plan; and
- Recommend approval of the proposed GDP?





Aerial Photograph



750 B Street  
Suite 1620  
San Diego,  
California 92101  
619.236.0143

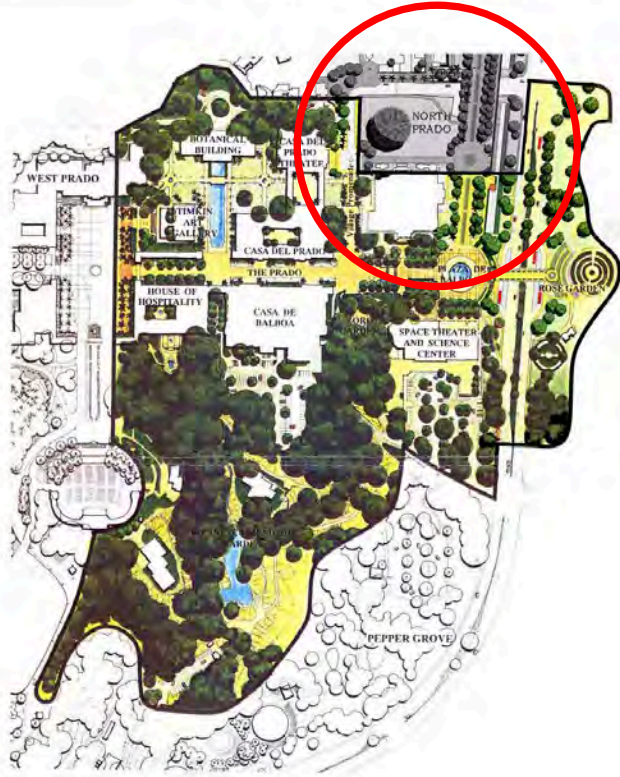
**SPURLOCK**  
LANDSCAPE ARCHITECTS

AUGUST 18, 2021  
CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT

THE GENERAL DEVELOPMENT PLAN  
**SAN DIEGO NATURAL  
HISTORY MUSEUM**  
EXTERIOR LANDSCAPE IMPROVEMENTS  
SHEET 2 OF 3

PSD  
(PSD #)

-BALBOA PARK-CENTRAL MESA PRECISE PLAN



**East Prado**

revised May 2003 Page 30

Trees	Lawn
Groundcovers	Paved Pedestrian Areas

SCALE IN FEET: 0 100 200 400

ESRDA Land Planning

153

-BALBOA PARK-CENTRAL MESA PRECISE PLAN



**North Prado**

revised May 2003 Page 31

Trees	Lawn
Groundcovers	Paved Pedestrian Areas

SCALE IN FEET: 0 100 200 400

ESRDA Land Planning

157



BALBOA PARK-CENTRAL MESA PRECISE PLAN  
Precise Plan - Goals and Plan Summary

## GOALS

### *Land Use*

Provide a wide variety of cultural activities within a public park environment.

### *Circulation*

Establish a pedestrian park environment that features public transportation use while providing adequate vehicular access to and within the Central Mesa.

### *Architecture*

Rehabilitate and modify the architecture of the Central Mesa in a manner which preserves its historic and aesthetic significance while providing for functional needs.

### *Landscape*

Rehabilitate and modify the Central Mesa's landscape in a manner which preserves its historic significance, accommodates a wide variety of public park activities and increases public enjoyment of the Park environment.

### *Management*

Develop and implement an effective management program that promotes maximum public use and enjoyment of the Park.

### *Maintenance*

Develop and fund a maintenance program that will protect the public investment in buildings and grounds and facilitate maximum public enjoyment of the Park.

## *Landscape*

*Rehabilitate and modify the Central mesa's landscape in a manner which preserves its historic significance, accommodates a wide variety of public park activities, and increases public enjoyment of the Park environment.*



**LANDSCAPE**

The goal of this section is to restore, rehabilitate and modify the Central Mesa's landscape in a manner that preserves its historic significance, accommodates a wide variety of public park activities and increases public enjoyment of the Park environment.

The landscape of the Central Mesa includes all outdoor spaces such as plazas, promenades, arcades, gardens and naturalized areas. There are three generalized park use areas that influence the proposed landscape treatments.

**Multiple use and outdoor attraction areas** (See Figure 45) - These will be the most heavily used areas of the Central Mesa and will include cultural and park uses, including open air concerts, outdoor exhibits and informal picnic and play areas. Emphasis will be placed on a high level of detail, generous site amenities, quality materials, comprehensive signage, decorative lighting, and ornamental plant materials. The most prominent landscape features in this area will consist of multiple use plazas that can serve the majority of the time as pleasant, relaxing outdoor public spaces and also facilitate a full spectrum of special public events.

**Picnic and Open Play Areas** (See Figure 46) - These areas possess the overall landscape character of a traditional public park and include features such as open lawns, children's play equipment and picnic tables. These areas will receive additional lighting, improved restroom facilities and increased site amenities, but will not be developed as intensively as the multiple use and outdoor attraction areas.

**Natural Use Areas** (See Figure 47) - These portions of the Central Mesa will remain as a refuge for passive uses such as hiking and observation of plants and wildlife. These areas will form an important link in a regional network of urban buffer corridors that provide habitat for native flora and fauna. An improved trail system with interpretive material are proposed for these areas of the Park.

In all landscaped areas for the Central Mesa, public safety will be emphasized by providing increased lighting, clear sightlines, and an expanded number of well used public spaces that displace undesirable activities.

Landscaped areas in the Central Mesa will allow for maximum public accessibility and flexibility of use. They should offer comfort, security and positive visual stimulation to every visitor.

All landscape design in the Central Mesa is based on historic precedent. Wherever possible, historic conditions are preserved or restored. Where new features must be incorporated, they complement, respect and support both the original design intent and the existing historic features that remain.

*The goal of this section is to restore, rehabilitate and modify the Central Mesa's landscape in a manner that preserves its historic significance, accommodates a wide variety of public park activities and increases public enjoyment of the Park environment.*

*All landscape design in the Central Mesa is based on historic precedent. Wherever possible, historic conditions are preserved or restored. Where new features must be incorporated, they compliment, respect and support both the original design intent and the existing historic features that remain.*



Lawn medians can be replaced with ground cover to conserve water.



Lawns provide for picnic and play even in settings that are less than ideal.

- Landscape planting should be designed to conserve water as much as possible.

Lawns that serve a primarily decorative function in small areas such as a street median planting should be phased out and replaced with drought tolerant low shrubs or groundcover. Larger areas of lawn that contribute visually or functionally to the park experience should be retained.

Ornamental plantings with high water requirements should be located in high visual impact areas such as major plazas, promenades, and formal gardens.

- Plants with similar water requirements should be grouped together.
- Exotic plants that have relatively low water requirements should be used as much as possible. For example, Giant Bird of Paradise would be preferable to Banana species because of its similar appearance and lower water requirements.
- Installation of small planting beds surrounded by large paved areas should be discouraged.

- Existing landscape character and historic landscape themes should continue despite periodic drought conditions.

A public park is traditionally a place where people can go to experience a landscape that they cannot afford to individually possess. The Central Mesa is a botanical resource with a long history of displaying to residents and visitors alike the best outdoor environment San Diego has to offer. Even when regional drought conditions occur, Balboa Park should continue to serve as a botanical oasis whose wide lawns and exotic flora can refresh, educate and inspire those who visit. Areas of priority water use in the Central Mesa are shown in Figure 48.

- Existing significant plants and trees should be protected and well cared for. Significant plants and trees which must be moved should be relocated to other Central mesa locations with similar superior growing conditions. They should be moved during the winter months to help insure their survival. The significant plants and trees identified for relocation during the Precise Plan process are listed in the following table. The number preceding the name is the location number as shown in Figure 49. This number also appears in the Plant Inventory List located in the Landscape Analysis section. The number following the name is the documented quantity of trees to be relocated.

Plants to be Relocated:

#7	Alectryon excelsus NCN	(8)
#20	Brahea brandegeeiexdulis Brahea Hybrid	(7)
#42	Erythrina caffra Kaffirboom Coral Tree	(1)

## Planting Design Guidelines

*Landscape planting should be designed to conserve water as much as possible.*

*Lawns that serve a primarily decorative function in small areas such as street median planting should be phased out and replaced with drought tolerant low shrubs or groundcover.*

•BALBOA PARK•CENTRAL MESA PRECISE PLAN

Precise Plan - Landscape

- Landscape planting areas will be divided into three general areas of emphasis.

- **Botanical Emphasis Areas** (see Figure 50)

Plant materials generally should be arranged formally in major plazas and promenades. They should be arranged informally in other areas such as lawns, canyons, and parking lots.

Plant materials that possess the following characteristics should be included in these areas.

- Exotic plant species that take full advantage of San Diego's mild climate.
- A lush, tropical appearance.
- Plants that are particularly associated with San Diego or were popularized because of their appearance in the 1915 Exposition.

The Park Boulevard Promenade is in the Botanical Emphasis Area, but plants for this area should be selected with care because of the parking structure below. Factors to take in consideration when choosing on-structure plants include: amount of leaf and fruit drop, reaction to acid/alkaline soils, root hardness, and root growth characteristics. Despite these constraints, the overall impact of the planting on the Park Boulevard Promenade should be a lush, tropical appearance as found in the rest of the Botanical Emphasis areas. Planting should include large, mature-canopy trees, palm trees, accent shrubs, and annual flowers. More detailed information on the planting on Park Boulevard Promenade is included in the Specific Recommendations section.

Representative species for this area:

Trees [underlined in original]

Phoenix reclinata – Senegalese Date Palm\*

Brahea brandegeei – San Jose Hesper Palm

Arecastrum romansoffianum – Queen Palm\*

Archontophoenix cunninghamiana – King Palm\*

Erythrina 'skyesii' – Skyes' Coral Tree

Alcetryon excelsum – Alcetryon\*

Eucalyptus degulpta – Mindinao Gum

Livistona decipiens – Ribbon Fan Palm\*

Bischofia javanica – Toong Tree

Ficus microcarpa – Indian Laurel Fig

Ficus macrophylla – Moreton Bay Fig

Chorisa speciosa – Floss Silk Tree

Stenocarpus sinuatus – Firewheel Tree\*

Brahea edulis – Guadalupe Fan Palm

Dombeya cacuminum – Dombeya

Neodypsis decaryi – Triangle Palm\*

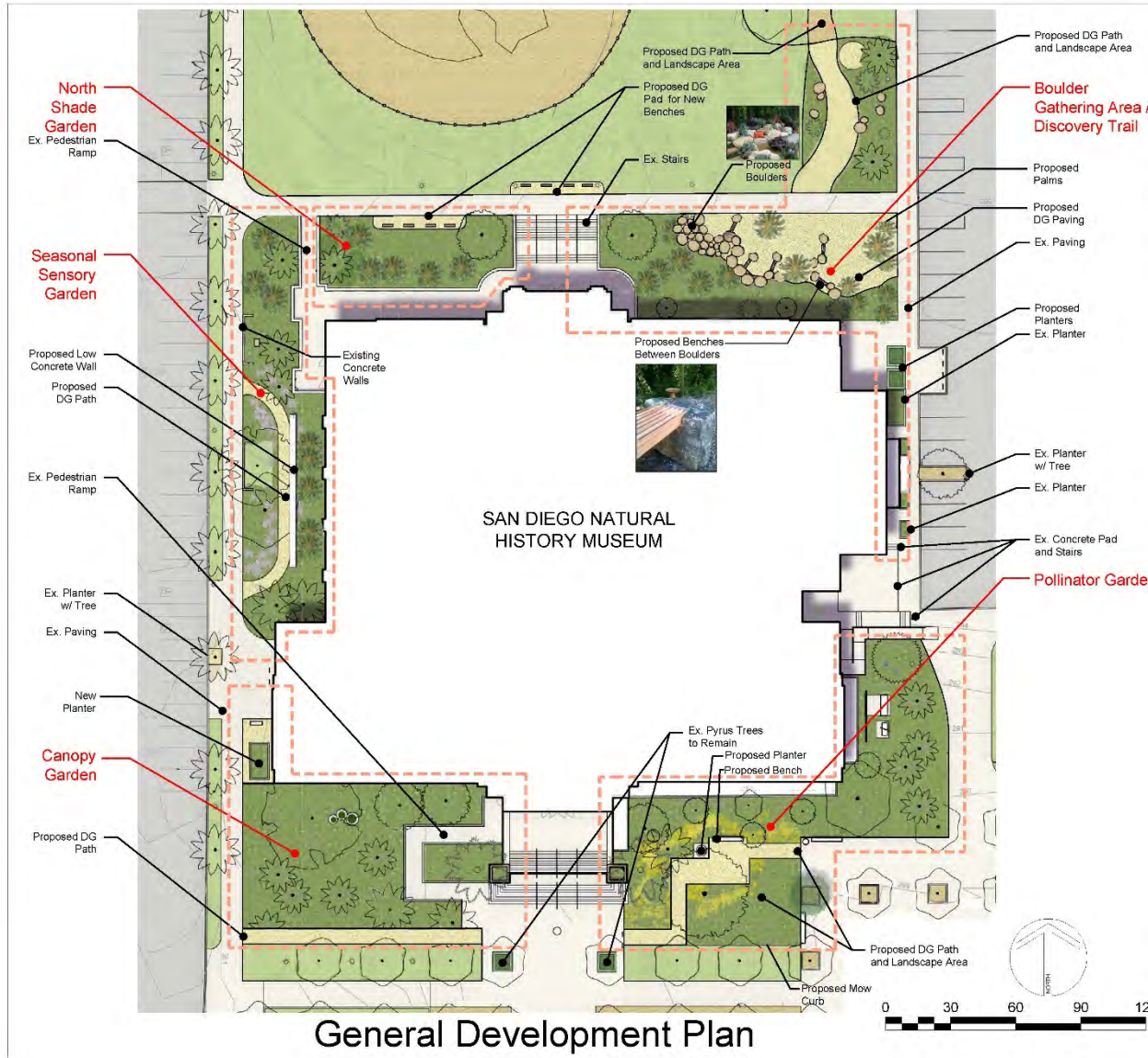
Markhamia hildebrandtii – Markhamia\*

- *Exotic plant species that take full advantage of San Diego's mild climate.*
- *A lush, tropical appearance.*
- *Plants that are particularly associated with San Diego or were popularized because of their appearance in the 1915 Exposition.*

# Staff Recommendation

- Advise the proposed GDP for the Natural History Museum is consistent with the Central Mesa Precise Plan; and
- Recommend approval of the proposed GDP.





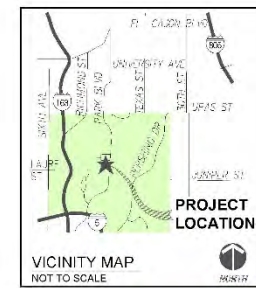
General Development Plan

### Design Concept

Set within the diverse cultural campus of Balboa Park at the eastern end of the Prado with views to Florida Canyon beyond, The Nat's location is uniquely well-suited to engage the wide range of Park visitors and demonstrate The Nat's Mission "...to promote understanding of the evolution and diversity of southern California and the peninsula of Baja California; and to inspire in all a respect for nature and the environment". The formal arrangement of Balboa Park's promenades and buildings among the meandering fingers of canyons and mesas makes a rich context for The Nat's message.

The Landscape Master Plan includes gardens and outdoor gathering spaces located around The Nat building perimeter.

All new PAVING will be permeable Decomposed Granite (DG).  
All Historically Significant Trees to Remain.



**SPURLOCK**

SEPTEMBER 10, 2021 LANDSCAPE ARCHITECTS  
CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT  
THE GENERAL DEVELOPMENT PLAN  
**SAN DIEGO NATURAL HISTORY MUSEUM**  
EXTERIOR LANDSCAPE IMPROVEMENTS  
SHEET 1 OF 3  
PSD (PSD #)



## Plant Legend

Plants such as:

	Common Name	Scientific Name		Common Name	Scientific Name		Common Name	Scientific Name
<b>Boulder Gathering Area/ Discovery Trail</b>	Bladderpod	Peritoma arborea	<b>Canopy Garden</b>	Canyon grey	Artemisia californica 'montana'	<b>Seasonal Sensory Garden</b>	Agave	Agave spp. (Entrance)
	Blue-Eyed Grass	Dichelostemma capitatum		Ceanothus spp.	Ceanothus sp.		Beardtongue	Penstemon spp.
	Boojum	Suytinidium angustifolium		Channel Islands Tree Poppy	Dendromecon harfordii		Blue Elderberry	Sambucus mexicana
	CA Buckwheat	Fouquieria columnaris		Coral bells	Houchoera spp.		CA Sunflower	Helianthus californicus
	Chuparosa	Eriogonum fasciculatum		Currant / Fuchsia Flower Goosberry	Ribes spp.		CA Wildrose	Rosa californica
	Datillo Yucca	Justicia californica		Foxtail Agave	Agave attenuata		California Aster	Corethrogyne flagrinifolia
	Desert Apricot	Prunus fremontii		Hummingbird sage	<b>Salvia spathacea</b>		California Sagebrush	Artemisia californica
	Desert Fan Palm	Washingtonia filifera		Island Bush Poppy	<b>Dendromecon rigida</b>		Cleveland sage hybrids	Salvia 'Poza Blue'
	Desert Globemallow	Sphaeralcea ambigua		Snow berry	Symphoricarpos alba		Deerweed	Acmispon glaber
	Field Sedge	Carex praegracilis		Western Swordfern	Polystichum munifolium		Grape Soda Lupine	Lupinus excubitus
	Giant Cardon	Pachycereus pringlei		Agave	Agave spp. (Entrance)		Joliba	Simmondsia chinensis
	Giant Chalk Fern	Woodwardia fimbriata		Basket rush	Juncus textilis		Lemmon's Marigold	Tagetes lemonii
	Mexican Blue Palm	Brahea armata		Beardtongues	Penstemon spp.		Lemonade Berry	Rhus integrifolia
	Nodding Needle Grass	Stipa cernua		Buckthorn	Rhamnus spp.		Lewis' Mock Orange	Philadelphus lewisii
	Pacific Coast Iris	Iris Sp.		CA Sunflower	Helianthus californicus		Mexican bush sage	Salvia lucantha
	Palo Verde	Parkinsonia sp.		CA Wildrose	Rosa californica		Mexican holdback	Cosalepina mexicana
	Pink Fairy Duster	Calliandra eriophylla		California Sagebrush	Artemisia californica		Mint species	Salvia spp.
	Pink Hair Grass	Muhlenbergia capillaris		Cleveland sage hybrids	Salvia 'Poza Blue'		Mock orange	Philadelphus lewisii
	Purple Three-awn	Aristida purpurea		Cajote Brush	Baccharis pilularis		Monkeyflower	Erythranthe sp.
	Western Swordfern	Polystichum munifolium		Deerweed	Acmispon glaber		Nolina	Nolina sp.
	Britton's Dudleya	Dudleya brittonii		Grape Soda Lupine	Lupinus excubitus		Parish's Rabbitbrush	Ericamena parishii
	Coast Croffa	Cylindropuntia prolifera		Joliba	Simmondsia chinensis		Pearly Everlasting	Symphoricarpos alba
	Nahla Root Cereus	Pereskia acinaciformis		Lemmon's Marigold	Tagetes lemonii		Sages (variety)	Salvia sp.
	Elephant Tree	Bursera microphylla		Mexican holdback	Cosalepina mexicana		Showy Snapdragon	Galvezia speciosa
	Fingertipa	Dudleya edulis		Mint species	Salvia spp.		Small Leaved Rose	Rosa minutifolia
	Golden spina cactus	Bergerocactus emeryi		Mock orange	Philadelphus lewisii		Torrey's Hybrid Oak	Quercus acutidens
	Cocotillo	Fouquieria splendens		Monkeyflower	Erythranthe sp.		Wild cucumber/ Chilicothe	Marah macrocarpa
	Plumeria	Plumeria rubra		Nolina	Nolina sp.		Wildcucumber/ Chilicothe	Mirabilis sp.
	Spurge	Euphorbia xanti		Parish's Rabbitbrush	Ericamena parishii		Wishbone Bush	Mirabilis sp.
				Pearly Everlasting	Symphoricarpos alba		Yucca	Yucca spp.
<b>Pollinator Garden</b>	Baja Fairy Duster	Calliandra californica				<b>North Shade Garden</b>	Bea Plant	Scrophularia californica
	Burgandy Desert Willow	Chilopsis burgandy					Catalina Currant	Ribes viburnifolium
	Bush Anemone	Gardenia californica					Coral Bells	Houchoera spp.
	CA Coffee Berry	Rhamnus californica					Desert Fan Palm	Washingtonia filifera
	CA Everlasting	Pseudognaphalium californicum					Desert Wild Grape	Vitis girdiana
	CA Lilac, Ceanothus	Ceanothus spp.					Desert Willow	Chilopsis linearis
	CA Poppy	Fuchsolia californica					Giant Chalk Fern	Woodwardia fimbriata
	CA Sunflower	Helianthus californicus					Gooseberry	Ribes speciosum
	Desert Willow	Chilopsis linearis					Guadalupe Island Palm	Brahea edulis
	Golden Yarrow	Achillea millefolium					Heartleaf penstemon	Keckia cordifolia
	Golden Yarrow	Eriophyllum confertiflorum					Honeyuckle	Subspecata demidada
	Lavatera	Lavatera assurgentiflora					Mahonia	Mahonia spp.
	Manzanita	Arctostaphylos spp.					Mexican Blue Palm	Brahea armata
	Mint species	Salvia derylandii					Mexican Fan Palm	Washingtonia robusta
	Penstemon	Penstemon spp.					Miner's Lettuce	Claytonia perfoliata
	San Diego Co. Sunflower	Viguiera lacinata					Monkeyflower	Erythranthe cardinalis
	Sticky Monkey Flower	Mimulus aurantiacus					Narrow Leaved Bedstraw	Galium angustifolium
	Yellow Trumpetbush	Tecoma stans					Narrow leaf millweed	Asclepias fascicularis
	<b>Aesopias californica</b>	<b>California Milkweed</b>					Scrub Oak	Quercus berberidifolia
							Spiney Rush	Juncus acutus
							Western Swordfern	Polystichum munifolium
							Western Sycamore	Platanus racemosa
							Yucca	Anemopsis californica



**SPURLOCK**

SEPTEMBER 20, 2021 LANDSCAPE ARCHITECTS

CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT

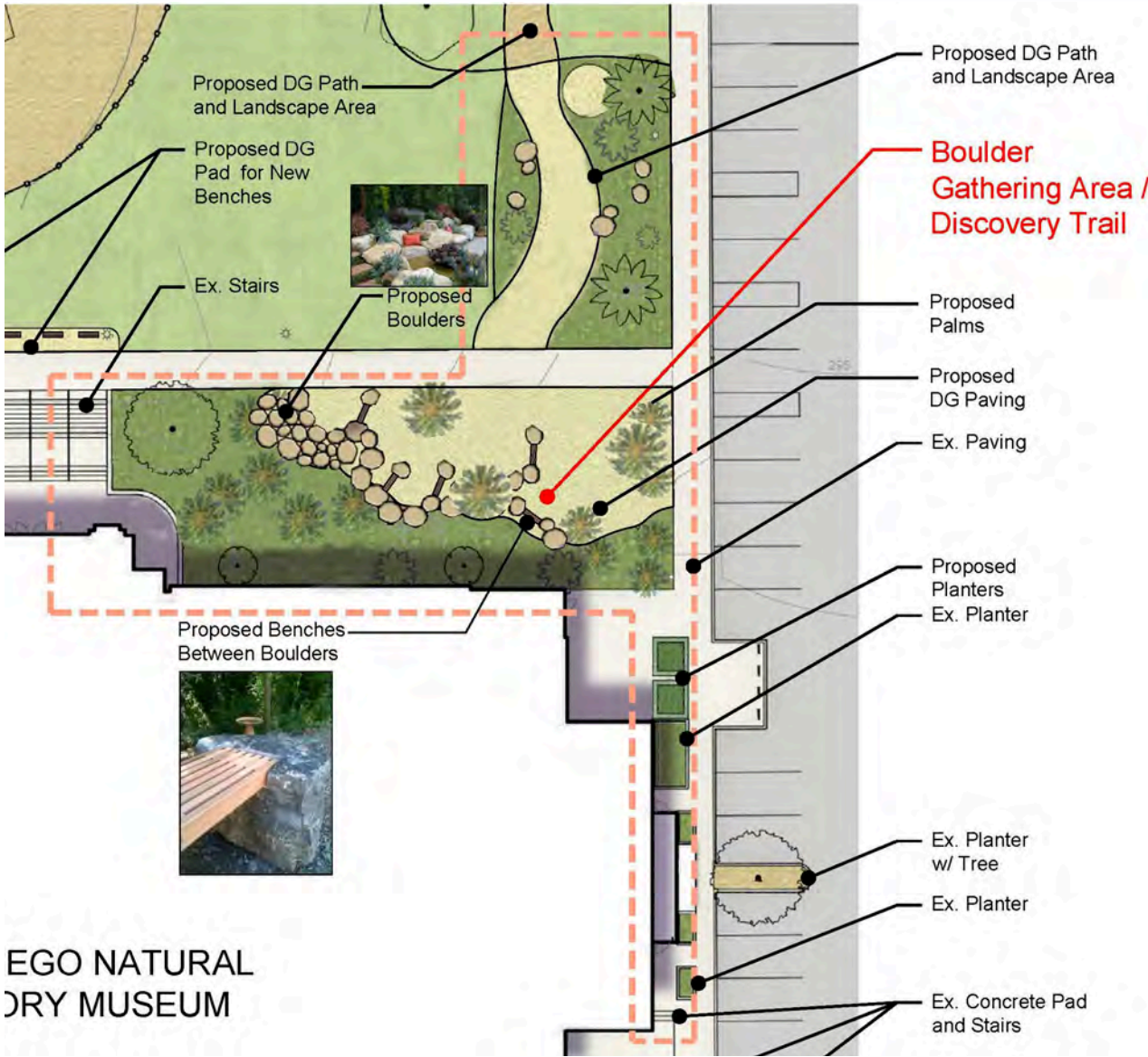
THE GENERAL DEVELOPMENT PLAN

**SAN DIEGO NATURAL HISTORY MUSEUM**

**EXTERIOR LANDSCAPE IMPROVEMENTS**

SHEET 3 OF 3

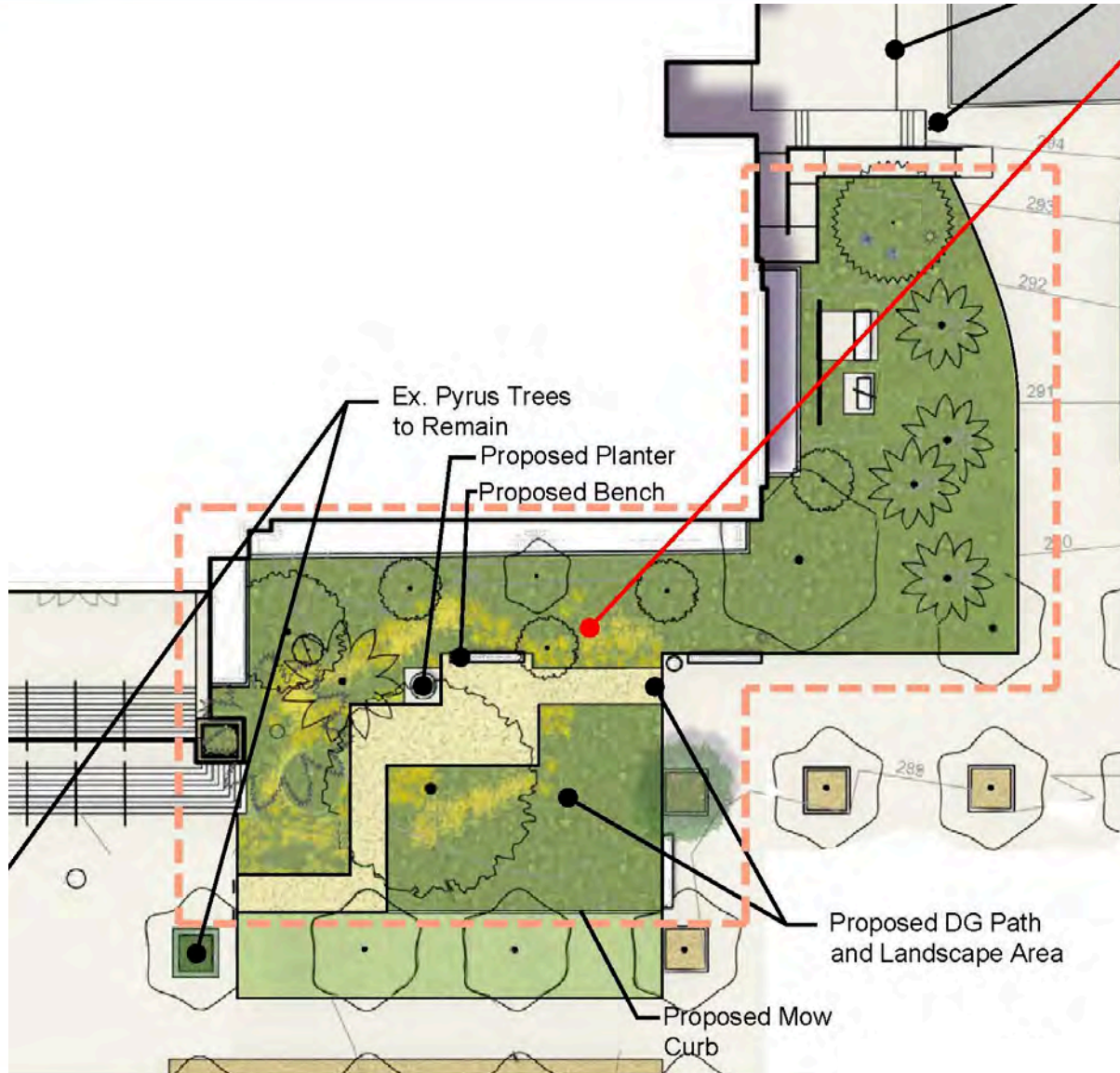
PSD (PSD #)



Boulder Gathering Area/ Discovery Trail		
Bladderpod		Peritoma arborea
Blue dicks		Dichelostemma capitatum
Blue Eyed Grass		Sisyrinchium angustifolium
Boojum		Fouquieria columnaris
CA Buckwheat		Eriogonum fasciculatum
Chuparosa		Justicia californica
Datilillo Yucca		Yucca valida
Desert Apricot		Prunus fremontii
Desert Fan Palm		Washingtonia filifera
Desert Globemallow		Sphaeralcea ambigua
Field Sedge		Carex praeegracilis
Giant Cardon		Pachycereus pringlei
Giant Chain Fern		Woodwardia fimbriata
Mexican Blue Palm		Brahea armata
Nodding Needle Grass		Stipa cernua
Pacific Coast Iris		Iris Sp.
Palo Verde		Parkinsonia sp.
Pink Fairy Duster		Calliandra eriophylla
Pink Hair Grass		Muhlenbergia capillaris
Purple Three-awn		Aristida purpurea
Western Swordfern		Polystichum munitum
Britton's Dudleya		Dudleya brittonii
Coast Cholla		Cylindropuntia prolifera
Dahlia Root Cereus		Peniocereus striatus
Elephant Tree		Bursera microphylla
Fingertips		Dudleya edulis
Golden spine cereus		Bergerocactus emoryi
Ocotillo		Fouquieria splendens
Plumeria		Plumeria rubra
Spurge		Euphorbia xanti

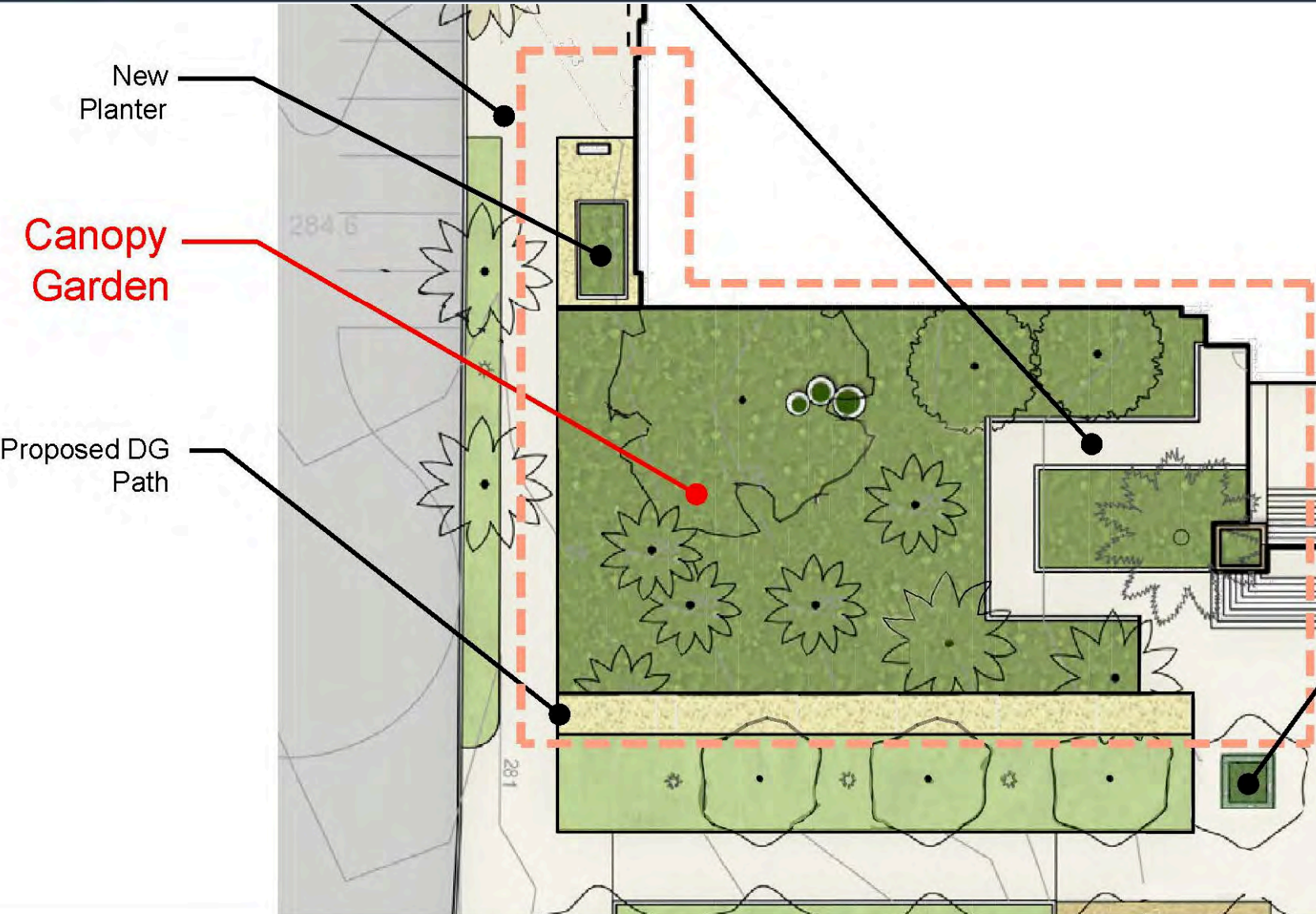
EGO NATURAL  
DRY MUSEUM





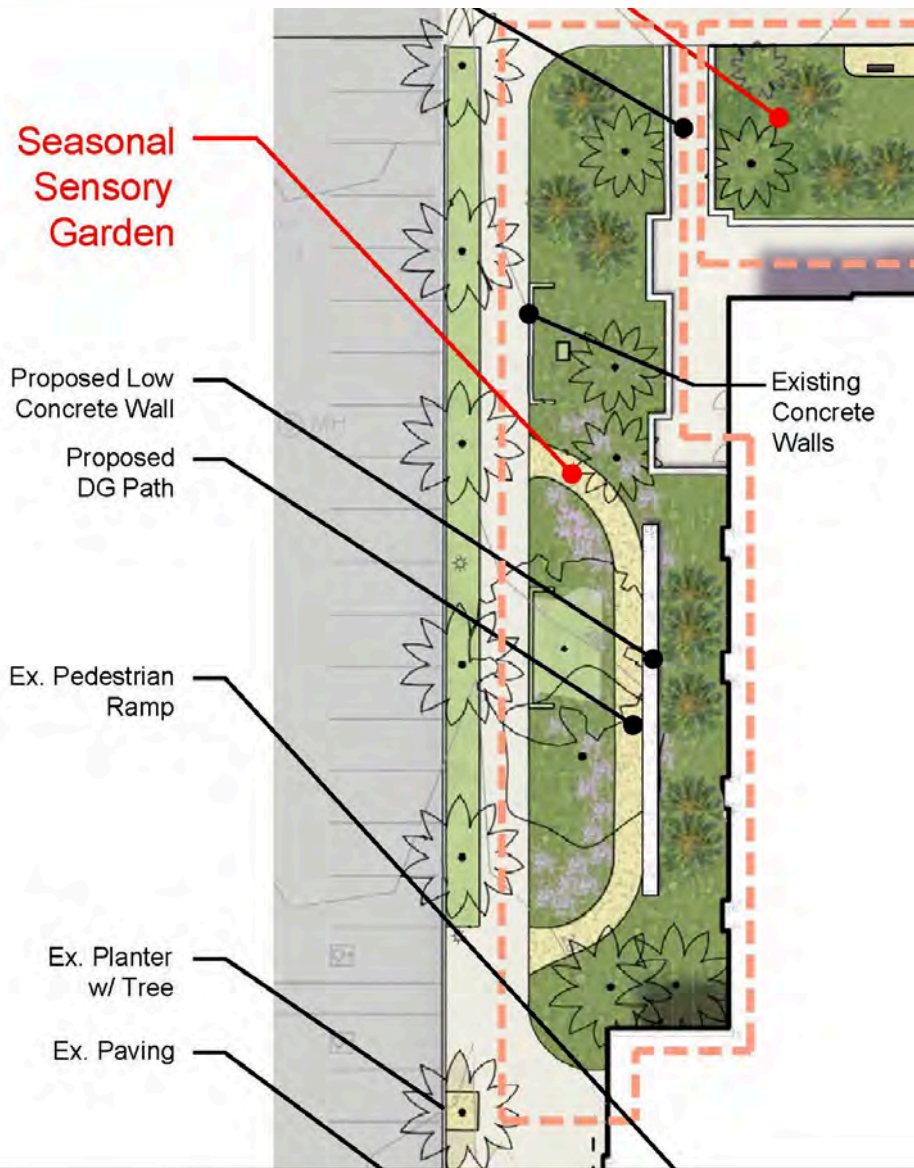
Pollinator Garden

Pollinator Garden		
Baja Fairy Duster	Caliandra californica	
Burgandy Deserte Willow	Chilopsis burgandy	
Bush Anemone	Carpenteria californica	
CA Coffee Berry	Rhamnus californica	
CA Everlasting	Pseudognaphalium californium	
CA Lilac; Ceanothus	Ceanothus spp.	
CA Poppy	Eschscholzia californica	
CA Sunflower	Helianthus californicus	
Desert Willow	Chilopsis linearis	
Golden Yarrow	Achillea millefolium	
Golden Yarrow	Eriophyllum confertiflorum	
Lavatera	Lavatera assurgentiflora	
Manzanita	Arctostaphylos spp	
Mint species	Salvia clevelandii	
Penstemon	Penstemon spp.	
San Diego Co. Sunflower	Viguiera lacinata	
Sticky Monkey Flower	Mimulus aurantiacus	
Yellow Trumpetbush	Tecoma stans	
<b>Asclepias californica</b>	<b>California Milkweed</b>	



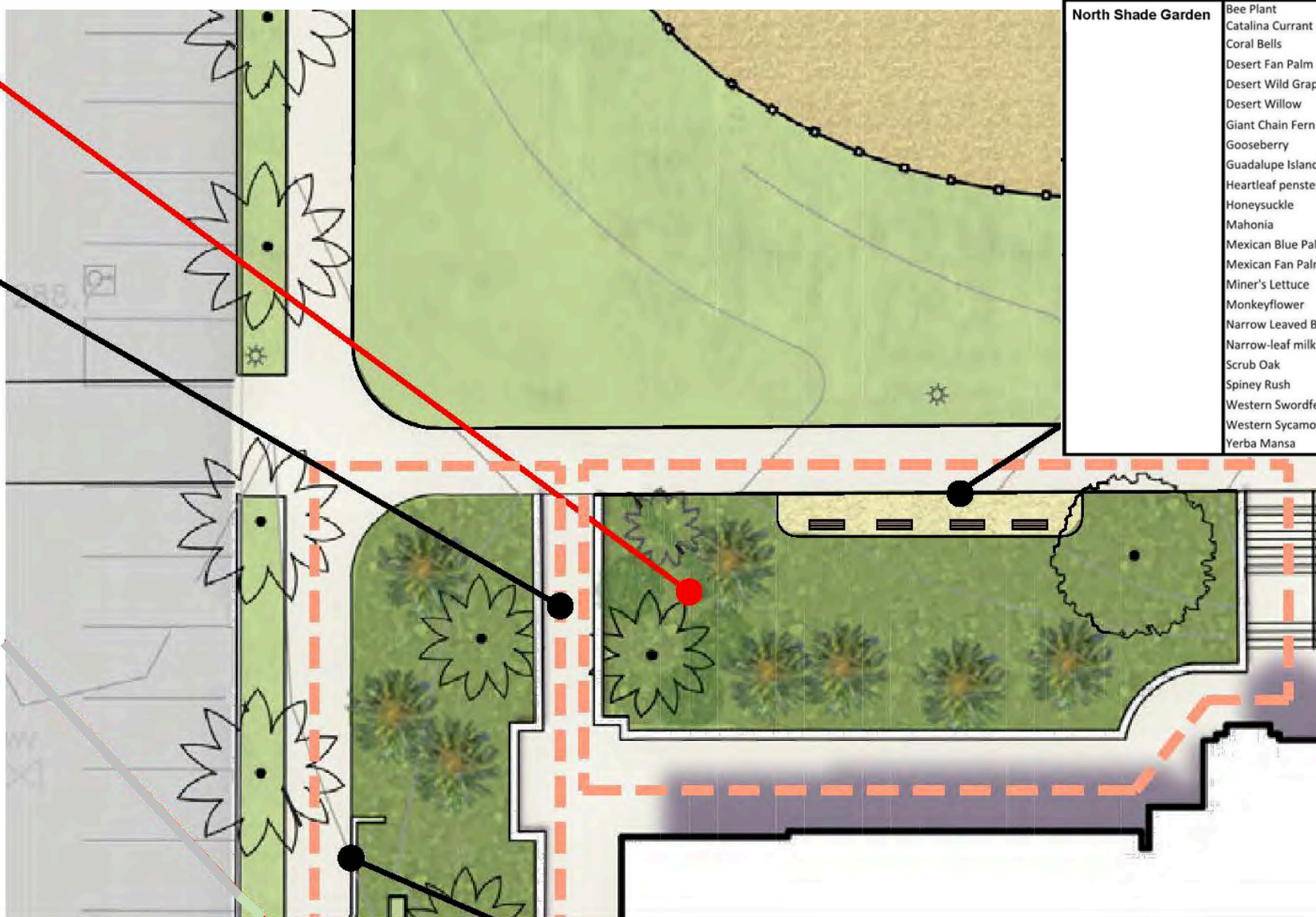
Canopy Garden		
Canyon grey	Artemisia californica 'montara'	
Ceanothus spp.	Ceanothus sp.	
Channel Islands Tree Poppy	Dendromecon harfordii	
Coral bells	Heuchera spp	
Currant / Fuschia Flower Gooseberry	Ribes spp.	
Foxtail Agave	Agave attenuata	
Hummingbird sage	<b>Salvia spathacea</b>	
Island Bush Poppy	<b>Dendromecon rigida</b>	
Snow berry	Symphoricarpos alba	
Western Swordfern	Polystichum munitum	
Agave	Agave spp. (variance)	
Basket rush	Juncus textilis	
Beardtongues	Penstemon spp	
Buckthorn	Rhamnus spp	
CA Sunflower	Helianthus californicus	
CA Wildrose	Rosa californica	
California Sagebrush	Artemisia californica	
Cleveland sage hybrids	Salvia 'Poza Blue'	
Coyote Brush	Baccharis pilularis	
Deerweed	Acmispon glaber	
Grape Soda Lupine	Lupinus excubitus	
Joroba	Simmondsia chinensis	
Lemmon's Marigold	Tagetes lemonii	
Mexican holdback	Ceasalpinia mexicana	
Mint species	Salvia spp	
Mock orange	Philadelphus lewisii	
Monkeyflower	Erythranthe sp.	
Nolina	Nolina sp.	
Parish's Rabbitbrush	Ericameria parishii	
Pearly Everlasting	Symphoricarpos alba	
Sages (variety)	Salvia sp.	
Showy Snapdragon	Galvezia speciosa	
Small Leaved Rose	Rosa minutifolia	
Torrey's Hybrid Oak	Quercus acutidens	
Wild cucumber/ Chillicothe	Marah macrocarpa	
Wishbone Bush	Mirabilis sp.	
Yucca	Yucca spp.	





Seasonal Sensory Garden		
Agave	Agave spp. (Entrance)	
Beardtongues	Penstemon spp	
Blue Elderberry	Sambucus mexicanus	
CA Sunflower	Helianthus californicus	
CA Wildrose	Rosa californica	
California Aster	Corethrogyne filaginifolia	
California Sagebrush	Artemisia californica	
Cleveland sage hybrids	Salvia 'Pozo Blue'	
Deerweed	Acmispon glaber	
Grape Soda Lupine	Lupinus excubitus	
Joboba	Simmondsia chinensis	
Lemmon's Marigold	Tagetes lemonii	
Lemonade Berry	Rhus integrifolia	
Lewis' Mock Orange	Philadelphus lewisii	
Mexican bush sage	Salvia lucanthea	
Mexican holdback	Ceasalpinia mexicana	
Mint species	Salvia spp	
Mock orange	Philadelphus lewisii	
Monkeyflower	Erythranthe sp.	
Nolina	Nolina sp.	
Parish's Rabbitbrush	Ericameria parishii	
Pearly Everlasting	Symphoricarpos alba	
Sages (variety)	Salvia sp.	
Showy Snapdragon	Galvezia speciosaii	
Small Leaved Rose	Rosa minutifolia	
Torrey's Hybrid Oak	Quercus acutidens	
Wild cucumber/ Chilicothe	Marah macrocarpa	
Wishbone Bush	Mirabilis sp.	
Yucca	Yucca spp.	

**North  
Shade  
Garden**  
Ex. Pedestrian  
Ramp



North Shade Garden		
Bee Plant	Scrophularia californica	
Catalina Currant	Ribes viburnifolium	
Coral Bells	Heuchera spp	
Desert Fan Palm	Washingtonia filifera	
Desert Wild Grape	Vitis girdiana	
Desert Willow	Chilopsis linearis	
Giant Chain Fern	Woodwardia fimbriata	
Gooseberry	Ribes speciosum	
Guadalupe Island Palm	Brahea edulis	
Heartleaf penstemon	Keckiella cordifolia	
Honeysuckle	Subspecata denidada	
Mahonia	Mahonia spp	
Mexican Blue Palm	Brahea armata	
Mexican Fan Palm	Washingtonia robusta	
Miner's Lettuce	Claytonia perfoliata	
Monkeyflower	Eryranthe cardinalis	
Narrow Leaved Bedstraw	Galium angustifolium	
Narrow-leaf milkweed	Asclepias fascicularis	
Scrub Oak	Quercus berberidifolia	
Spiney Rush	Juncus acutus	
Western Swordfern	Polystichum munitum	
Western Sycamore	Platanus racemosa	
Yerba Mansa	Anemopsis californica	

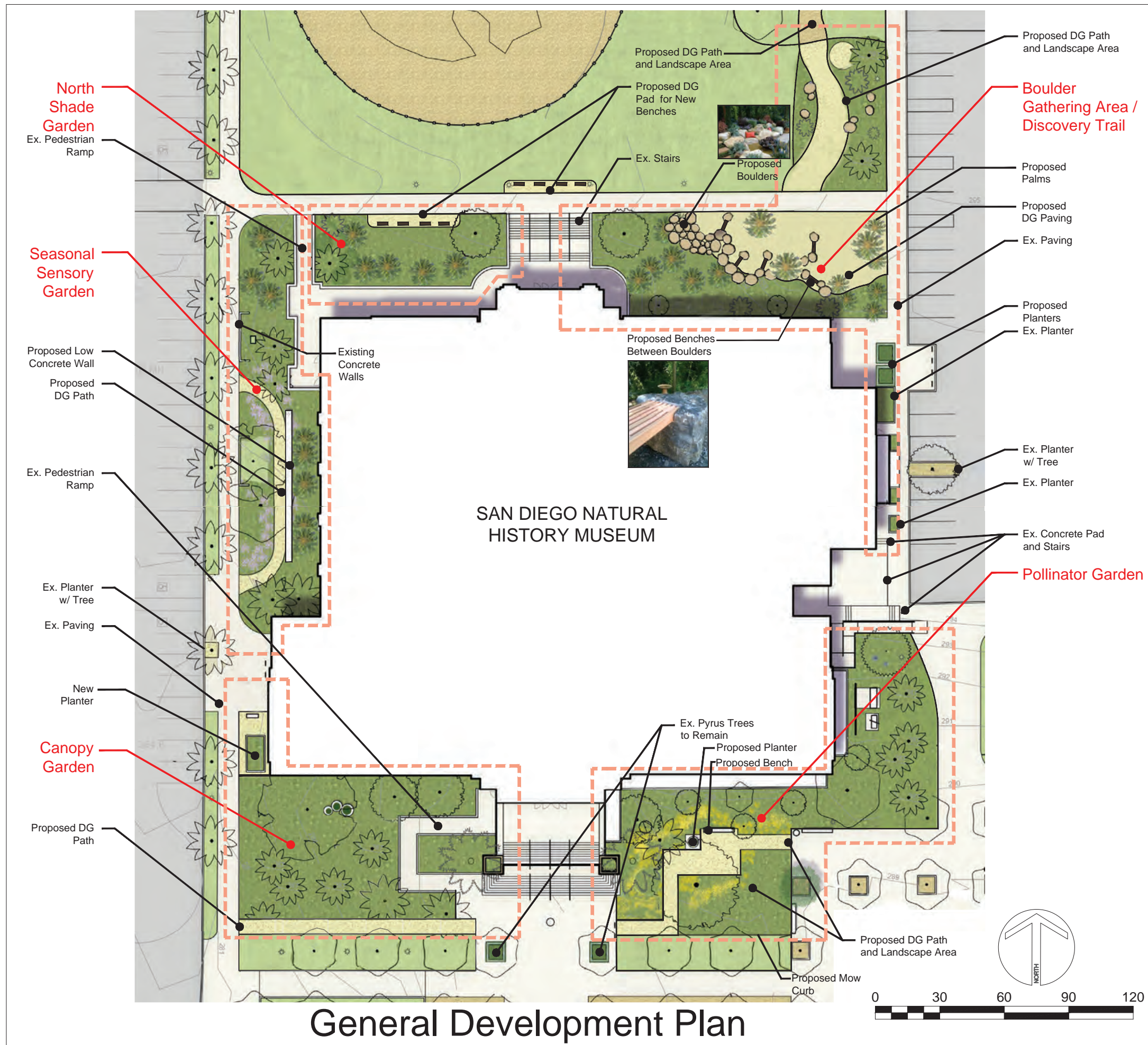




Questions?







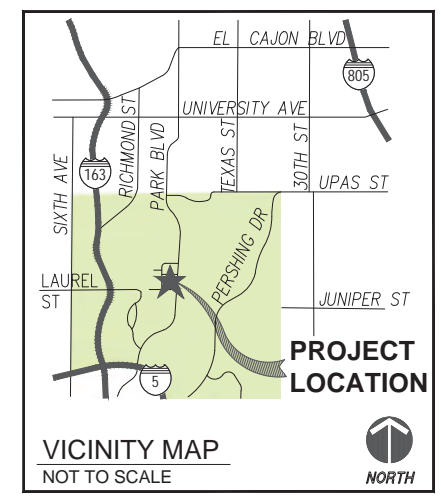
# General Development Plan

## Design Concept

Set within the diverse cultural campus of Balboa Park at the eastern end of the Prado with views to Florida Canyon beyond, The Nat's location is uniquely well-suited to engage the wide range of Park visitors and demonstrate The Nat's Mission "...to promote understanding of the evolution and diversity of southern California and the peninsula of Baja California; and to inspire in all a respect for nature and the environment". The formal arrangement of Balboa Park's promenades and buildings among the meandering fingers of canyons and mesas makes a rich context for The Nat's message.

The Landscape Master Plan includes for gardens and outdoor gathering spaces located around The Nat building perimeter.

All new PAVING will be permeable Decomposed Granite (DG).  
All Historically Significant Trees to Remain.



**SPURLOCK**

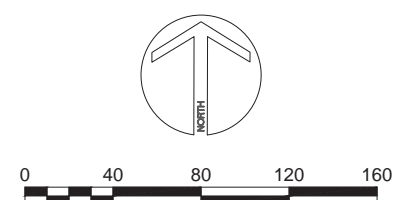
SEPTEMBER 20, 2021 LANDSCAPE ARCHITECTS  
CITY OF SAN DIEGO PARK AND RECREATION DEPARTMENT

THE GENERAL DEVELOPMENT PLAN  
**SAN DIEGO NATURAL HISTORY MUSEUM**  
EXTERIOR LANDSCAPE IMPROVEMENTS  
SHEET 1 OF 3  
PSD  
(PSD #)





Aerial Photograph



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THE GENERAL DEVELOPMENT PLAN  
**SAN DIEGO NATURAL  
HISTORY MUSEUM**  
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SHEET 2 OF 3  
PSD  
(PSD #)



# Plant Legend

Plants such as:

	Common Name	Scientific Name		Common Name	Scientific Name		Common Name	Scientific Name		
<b>Boulder Gathering Area/ Discovery Trail</b>	Bladderpod	Peritoma arborea	<b>Canopy Garden</b>	Canyon grey	Artemisia californica 'montara'	<b>Seasonal Sensory Garden</b>	Agave	Agave spp. (Entrance)		
	Blue dicks	Dichelostemma capitatum		Ceanothus spp.	Ceanothus sp.		Beardtongues	Penstemon spp		
	Blue Eyed Grass	Sisyrinchium angustifolium		Channel Islands Tree Poppy	Dendromecon harfordii		Blue Elderberry	Sambucus mexicanus		
	Boojum	Fouquieria columnaris		Coral bells	Heuchera spp		CA Sunflower	Helianthus californicus		
	CA Buckwheat	Eriogonum fasciculatum		Currant / Fuschia Flower Gooseberry	Ribes spp.		CA Wildrose	Rosa californica		
	Chuparosa	Justicia californica		Foxtail Agave	Agave attenuata		California Aster	Corethrogyne filaginifolia		
	Datilillo Yucca	Yucca valida		Hummingbird sage	Salvia spathacea		California Sagebrush	Artemisia californica		
	Desert Apricot	Prunus fremontii		Island Bush Poppy	Dendromecon rigida		Cleveland sage hybrids	Salvia 'Poza Blue'		
	Desert Fan Palm	Washingtonia filifera		Snow berry	Symphoricarpos alba		Deerweed	Acmispon glaber		
	Desert Globemallow	Sphaeralcea ambigua		Western Swordfern	Polystichum munitum		Grape Soda Lupine	Lupinus excubitus		
	Field Sedge	Carex praegracilis		Agave	Agave spp. (Entrance)		Jojoba	Simmondsia chinensis		
	Giant Cardon	Pachycereus pringlei		Basket rush	Juncus textilis		Lemmon's Marigold	Tagetes lemonii		
	Giant Chain Fern	Woodwardia fimbriata		Beardtongues	Penstemon spp		Lemonade Berry	Rhus integrifolia		
	Mexican Blue Palm	Brahea armata		Buckthorn	Rhamnus spp		Lewis' Mock Orange	Philadelphus lewisii		
	Nodding Needle Grass	Stipa cernua		CA Sunflower	Helianthus californicus		Mexican bush sage	Salvia lucanthea		
	Pacific Coast Iris	Iris Sp.		CA Wildrose	Rosa californica		Mexican holdback	Ceasalpinia mexicana		
	Palo Verde	Parkinsonia sp.		California Sagebrush	Artemisia californica		Mint species	Salvia spp		
	Pink Fairy Duster	Calliandra eriophylla		Cleveland sage hybrids	Salvia 'Poza Blue'		Mock orange	Philadelphus lewisii		
	Pink Hair Grass	Muhlenbergia capillaris		Coyote Brush	Baccharis pilularis		Monkeyflower	Erythranthe sp.		
	Purple Three-awn	Aristida purpurea		Deerweed	Acmispon glaber		Nolina	Nolina sp.		
	Western Swordfern	Polystichum munitum		Grape Soda Lupine	Lupinus excubitus		Parish's Rabbitbrush	Ericameria parishii		
	Britton's Dudleya	Dudleya brittonii		Jojoba	Simmondsia chinensis		Pearly Everlasting	Symphoricarpos alba		
	Coast Cholla	Cylindropuntia prolifera		Lemmon's Marigold	Tagetes lemonii		Sages (variety)	Salvia sp.		
	Dahlia Root Cereus	Peniocereus striatus		Mexican holdback	Ceasalpinia mexicana		Showy Snapdragon	Galvezia speciosaii		
	Elephant Tree	Bursera microphylla		Mint species	Salvia spp		Small Leaved Rose	Rosa minutifolia		
	Fingertips	Dudleya edulis		Mock orange	Philadelphus lewisii		Torrey's Hybrid Oak	Quercus acutidens		
	Golden spine cereus	Bergerocactus emoryi		Monkeyflower	Erythranthe sp.		Wild cucumber/ Chilicothe	Marah macrocarpa		
	Ocotillo	Fouquieria splendens		Nolina	Nolina sp.		Wishbone Bush	Mirabilis sp.		
	Plumeria	Plumeria rubra		Parish's Rabbitbrush	Ericameria parishii		Yucca	Yucca spp.		
	Spurge	Euphorbia xanti		Pearly Everlasting	Symphoricarpos alba					
	<b>Pollinator Garden</b>	Baja Fairy Duster		Calliandra californica	Sages (variety)		Salvia sp.	<b>North Shade Garden</b>	Bee Plant	Scrophularia californica
		Burgandy Deserte Willow		Chilopsis burgandy	Showy Snapdragon		Galvezia speciosaii		Catalina Currant	Ribes viburnifolium
		Bush Anemone		Carpenteria californica	Small Leaved Rose		Rosa minutifolia		Coral Bells	Heuchera spp
		CA Coffee Berry		Rhamnus californica	Torrey's Hybrid Oak		Quercus acutidens		Desert Fan Palm	Washingtonia filifera
		CA Everlasting		Pseudognaphalium californium	Wild cucumber/ Chilicothe		Marah macrocarpa		Desert Wild Grape	Vitis girdiana
		CA Lilac; Ceanothus		Ceanothus spp.	Wishbone Bush		Mirabilis sp.		Desert Willow	Chilopsis linearis
		CA Poppy		Eschscholzia californica	Yucca		Yucca spp.		Giant Chain Fern	Woodwardia fimbriata
		CA Sunflower		Helianthus californicus					Gooseberry	Ribes speciosum
		Desert Willow		Chilopsis linearis					Guadalupe Island Palm	Brahea edulis
		Golden Yarrow		Achillea millefolium					Heartleaf penstemon	Keckiella cordifolia
		Golden Yarrow		Eriophyllum confertiflorum					Honeysuckle	Subspecata denidada
		Lavatera		Lavatera assurgentiflora					Mahonia	Mahonia spp
		Manzanita		Arctostaphylos spp					Mexican Blue Palm	Brahea armata
		Mint species		Salvia clevelandii					Mexican Fan Palm	Washingtonia robusta
		Penstemon		Penstemon spp.					Miner's Lettuce	Claytonia perfoliata
		San Diego Co. Sunflower		Viguiera lacinata					Monkeyflower	Eryranthe cardinalis
		Sticky Monkey Flower		Mimulus aurantiacus					Narrow Leaved Bedstraw	Galium angustifolium
		Yellow Trumpetbush		Tecoma stans					Narrow-leaf milkweed	Asclepias fascicularis
		Asclepias californica		California Milkweed					Scrub Oak	Quercus berberidifolia
									Spiney Rush	Juncus acutus
				Western Swordfern	Polystichum munitum					
				Western Sycamore	Platanus racemosa					
				Yerba Mansa	Anemopsis californica					



**SPURLOCK**

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THE GENERAL DEVELOPMENT PLAN

**SAN DIEGO NATURAL HISTORY MUSEUM**  
EXTERIOR LANDSCAPE IMPROVEMENTS  
SHEET 3 OF 3

LAMBERT COORDINATES: THOMAS BROTHERS PAGE: PSD (PSD #)



## THE CITY OF SAN DIEGO

## M E M O R A N D U M

DATE: September 10, 2021

TO: Charles Daniels, Parks Planner, Parks and Recreation Department

FROM: Suzanne Segur, Senior Planner, Historical Resources, Development Services Department

SUBJECT: **Natural History Museum General Development Plan**

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I am in receipt of your email dated September 9, 2021 requesting historic resources staff approval of a landscape improvement project at Balboa Park's Natural History Museum, designated as Historical Resources Board (HRB) Site #1. I have reviewed the email and attachments consisting of improvement plans and a staff report to the Balboa Park Committee and have found the project to be in conformance with the U.S. Secretary of the Interior's Standards for Rehabilitation of a historic property. Specifically, the following scope of work has been reviewed and approved as consistent with the Standards:

- New drought tolerant landscape organized into five new gardens
- New decomposed granite walkways
- Installation of new site furniture including planters and benches
- New low site wall

The September 9 email and related attachments will be included in the designation file, along with a copy of this memo, as a record of our review and approval. Please note that any and all changes to the project scope or any repair or modifications to the structure not anticipated and addressed in your submittal, will need to be reviewed and approved by our staff for consistency with the Standards prior to those changes or work being carried out.

Please let me know if you have any questions. I can be reached at 619.236.6139 or by email at [ssegur@san-diego.gov](mailto:ssegur@san-diego.gov). Thank you.

\_\_\_\_\_  
Suzanne Segur

cc: Designation File for HRB Site #1