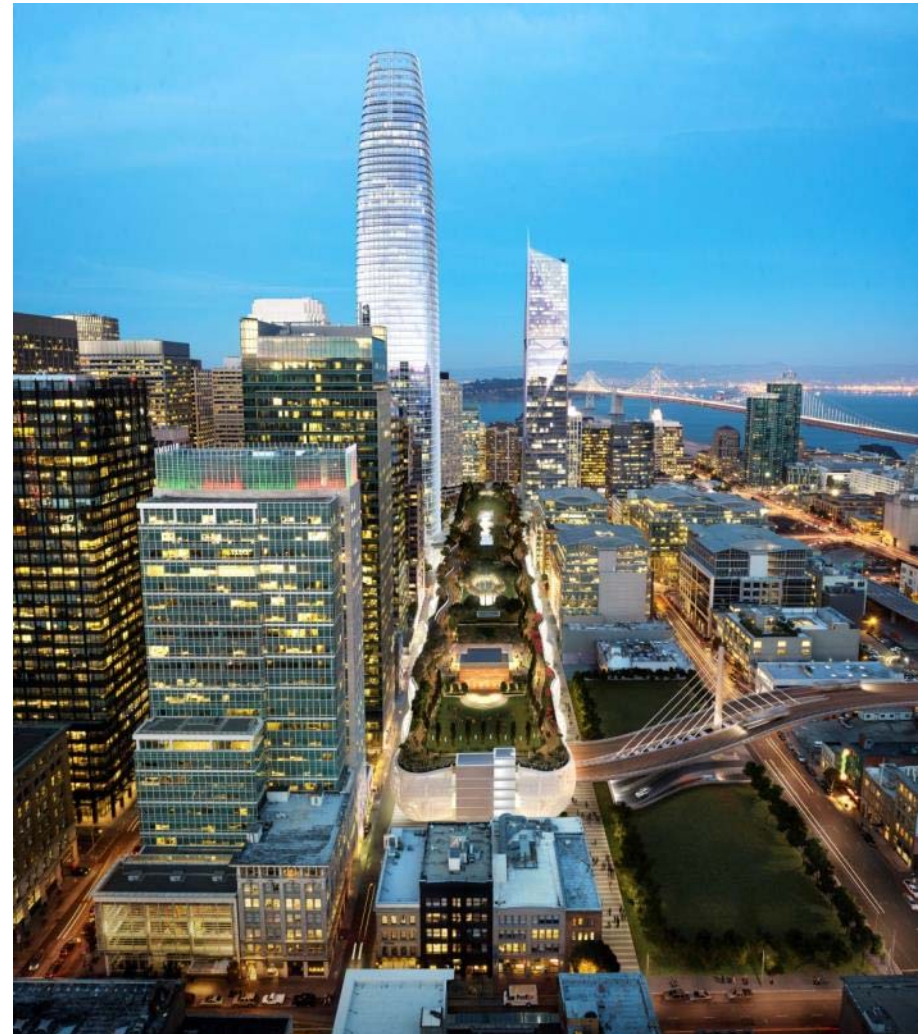
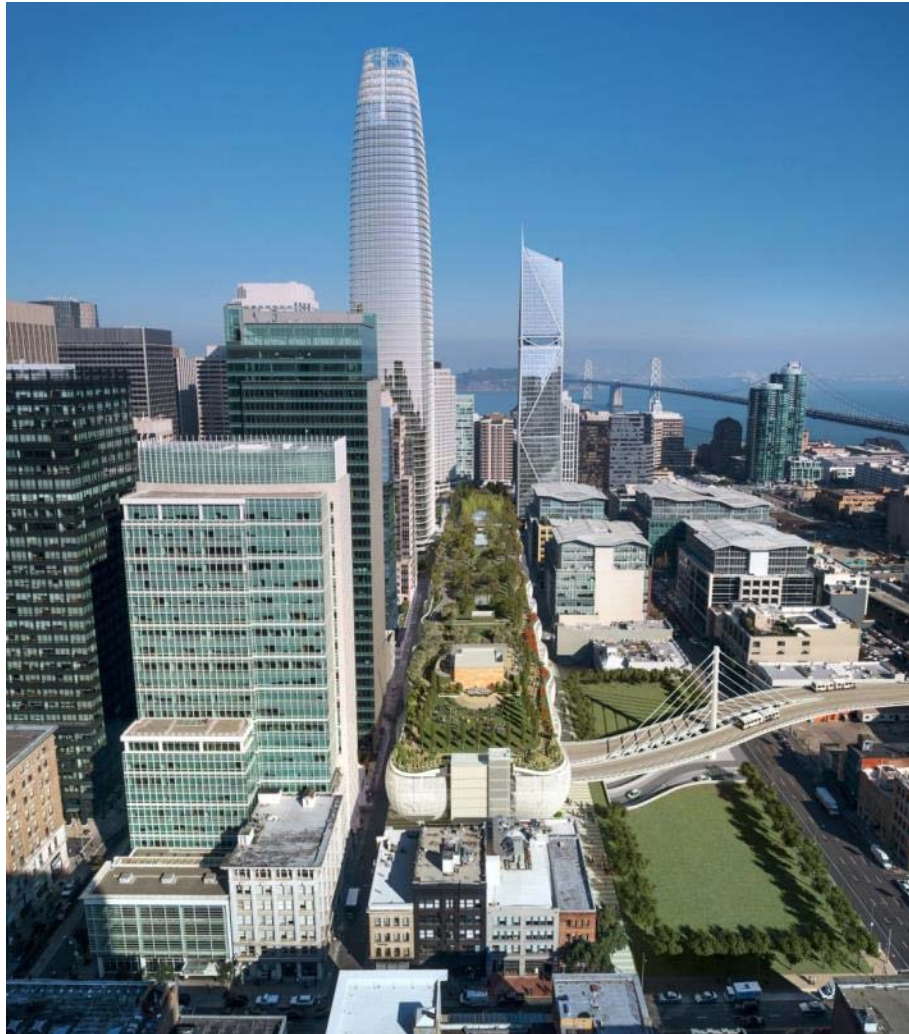


TRANSBAY TRANSIT CENTER | ROOF PARK
TREE PROCUREMENT UPDATE

PELLI CLARKE PELLI | PWP LANDSCAPE ARCHITECTURE
April 14, 2016

- 1 ROOF PARK DESIGN OVERVIEW
- 2 TREE PROCUREMENT
- 3 PRE-GROW NURSERY UPDATE
- 4 ROOF PARK MILESTONE TIMELINE



TRANSBAY TRANSIT CENTER
SAN FRANCISCO, CALIFORNIA



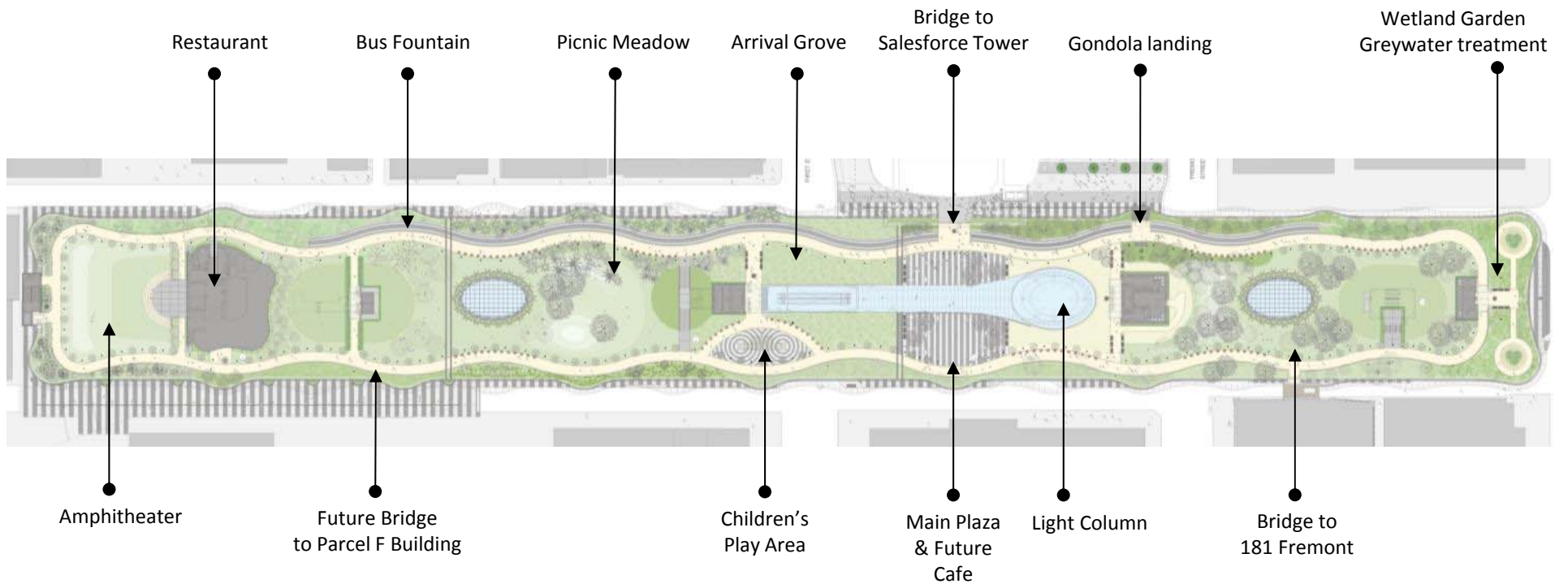
ROOF PARK LEVEL



VIEW FROM STREET LEVEL



GROUND LEVEL



ROOF PARK LEVEL



BUS JET FOUNTAIN AND PARK PATH

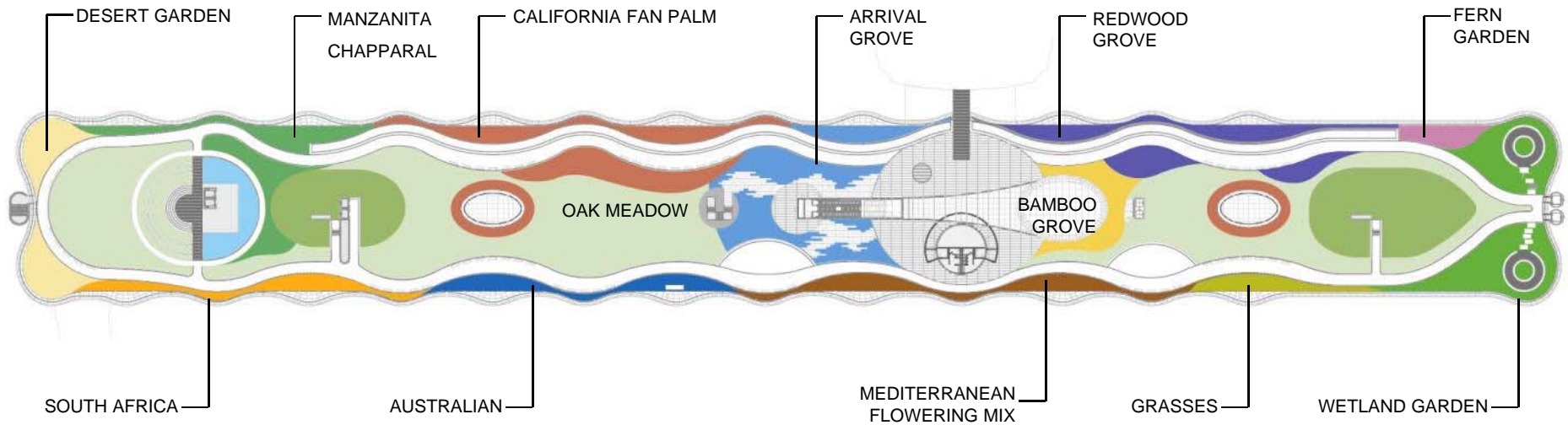


MAIN PLAZA AND FUTURE CAFE



ARRIVAL GROVE

CALIFORNIA GARDEN



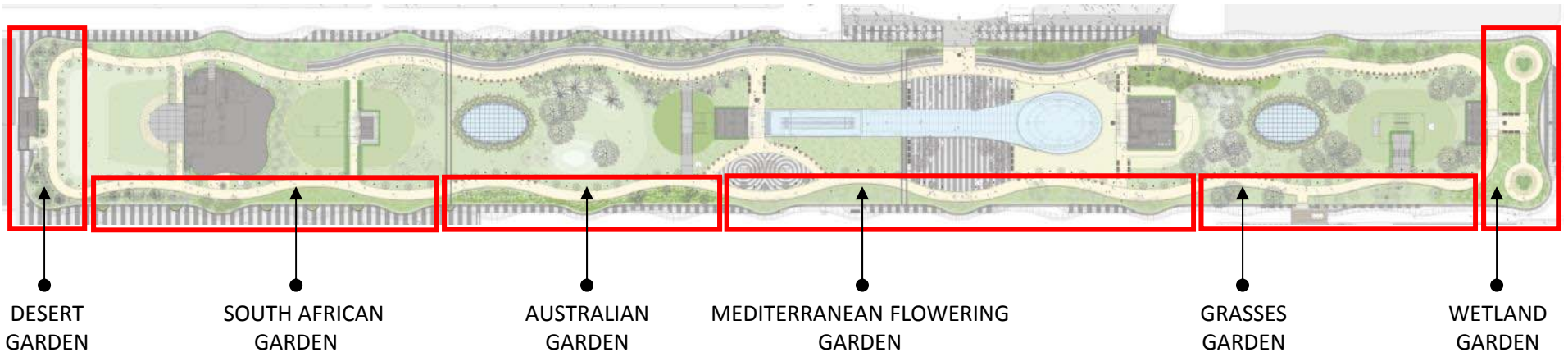
SPECIALTY GARDENS

FOR HABITAT AND DISPLAY

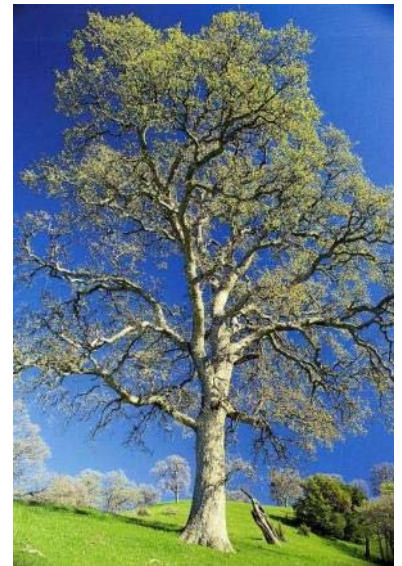
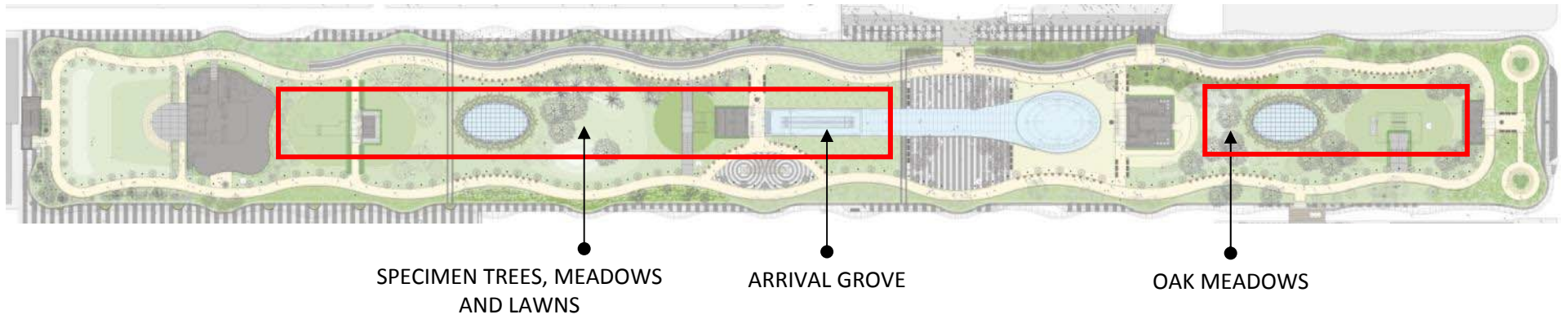
PARK PLANTING CONCEPT

CALIFORNIA GARDEN





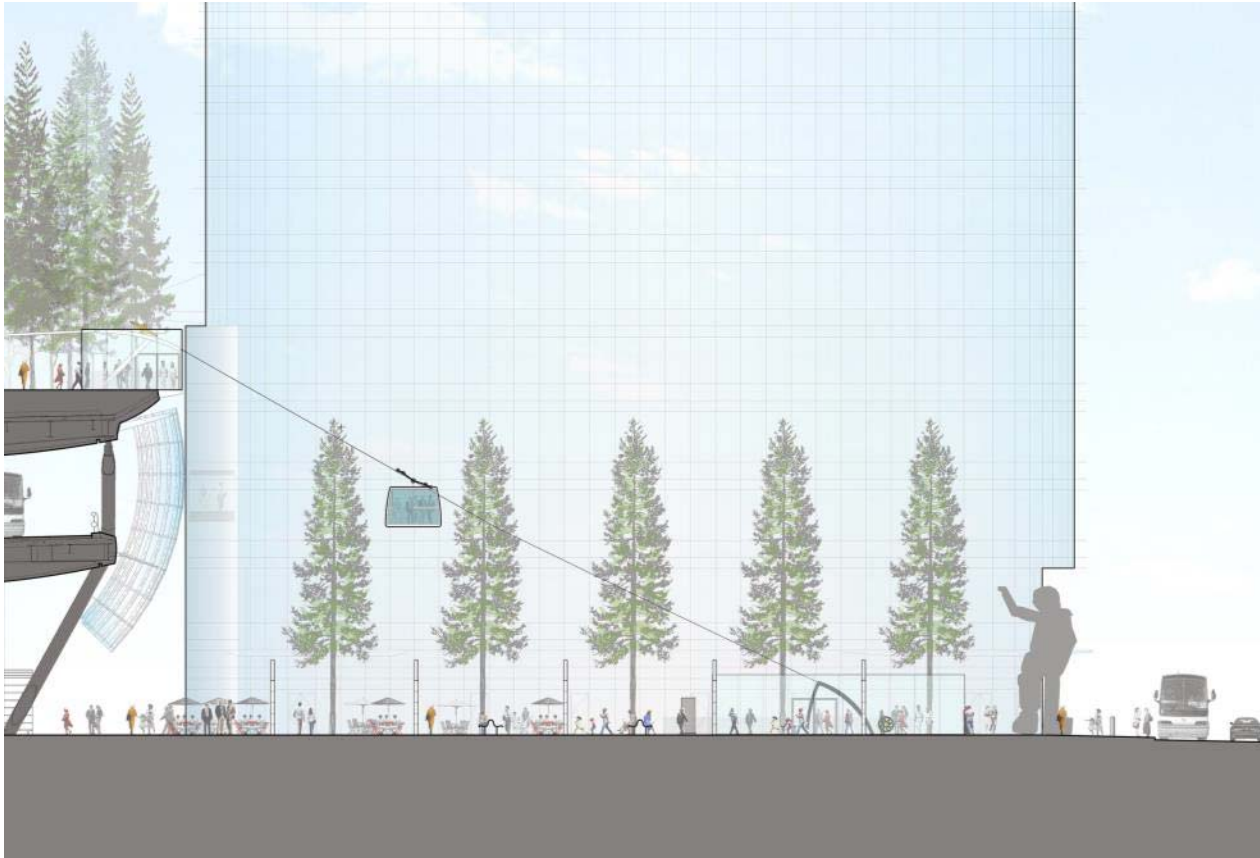
FEATURE GARDENS



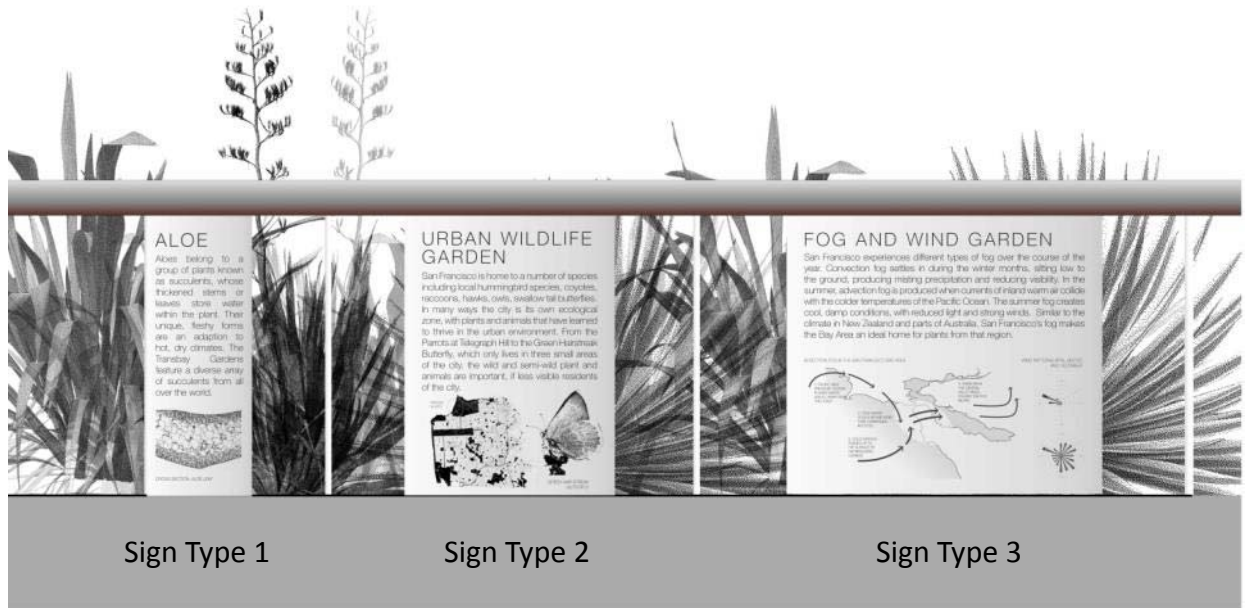
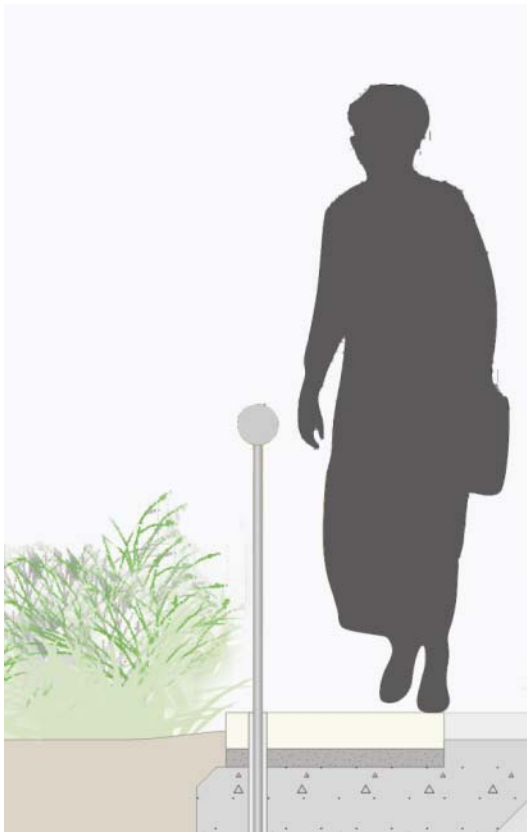
ARRIVAL GROVE, MEADOWS AND LAWNS



MISSION SQUARE CONCEPT (2012)



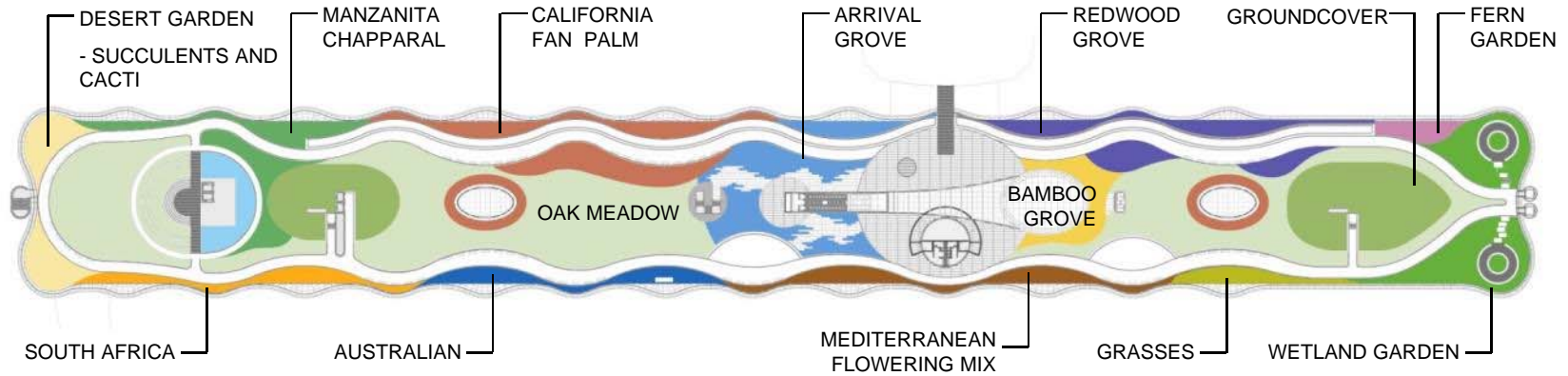
GONDOLA FROM MISSION SQUARE GROVE ARRIVES AT THE REDWOOD GROVE IN THE PARK



Sign Type 1

Sign Type 2

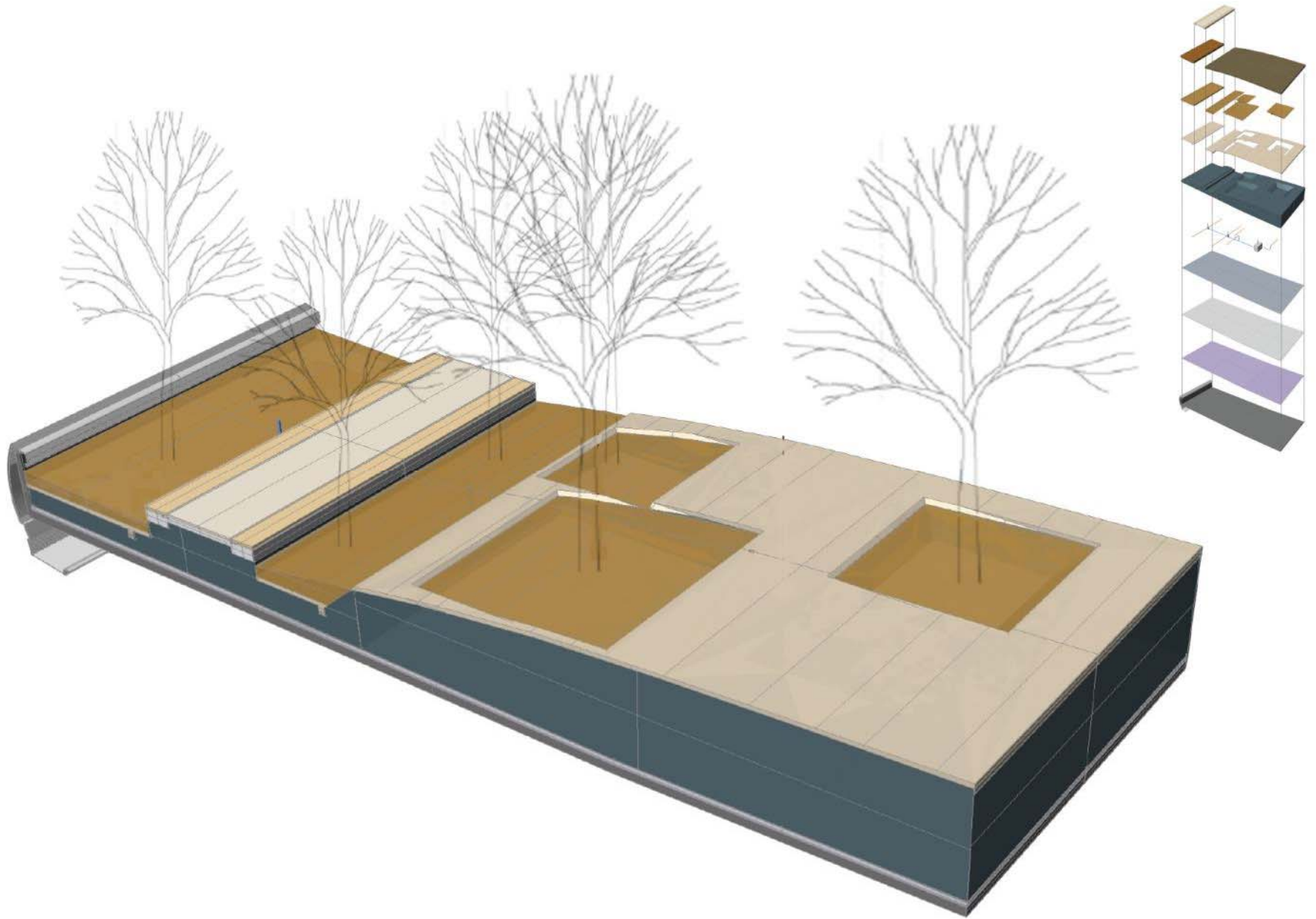
Sign Type 3



PLANT RAIL AND INTERPRETIVE SIGNAGE TELLS THE STORY

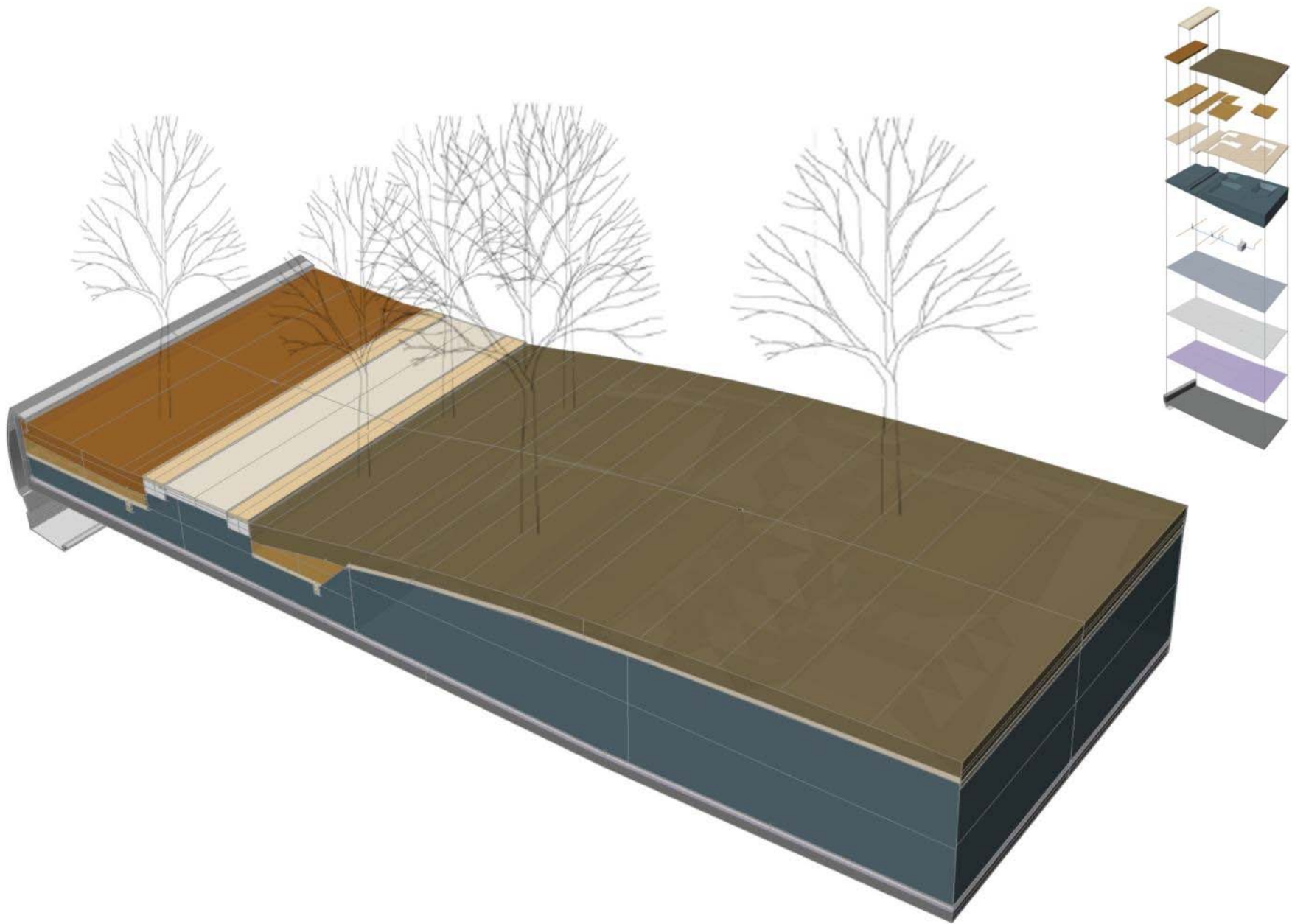


PARK SECTION - A LAYERED PLANTING SYSTEM



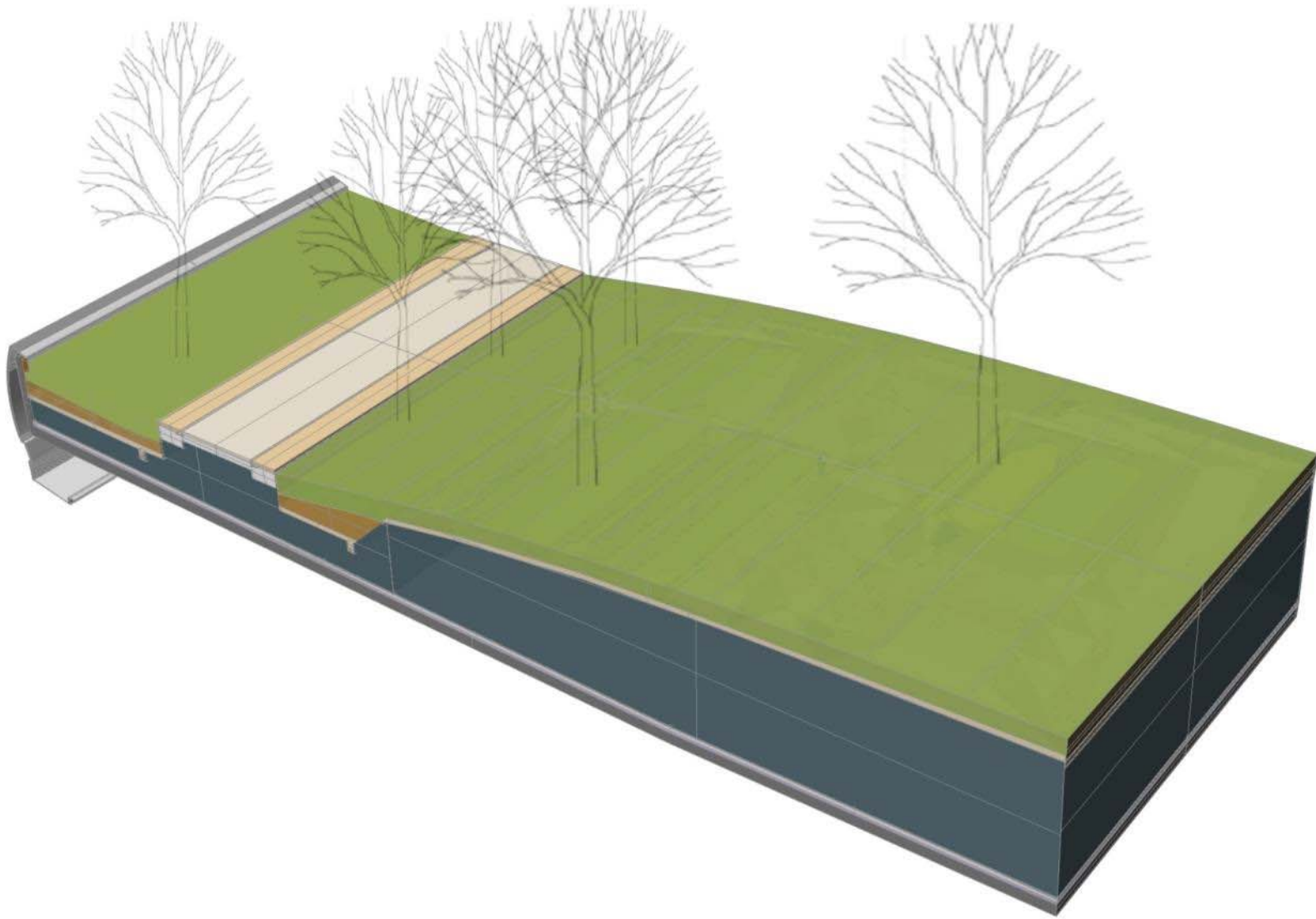
PITS RECEIVE TREES

A LAYERED PLANTING SYSTEM



COVERED WITH A CONTINUOUS LAYER OF PLANTING SOIL

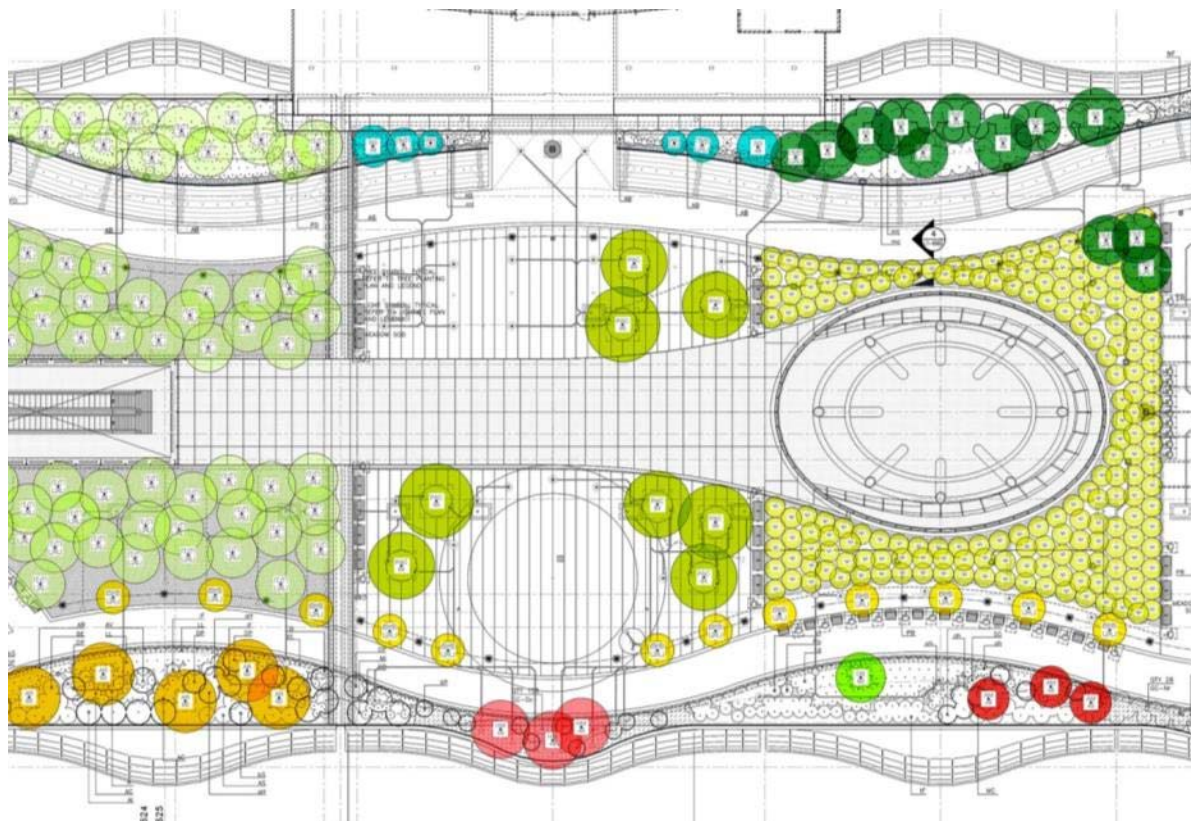
A LAYERED PLANTING SYSTEM



ROOT SYSTEMS CAN EXTEND HORIZONTALLY ACROSS

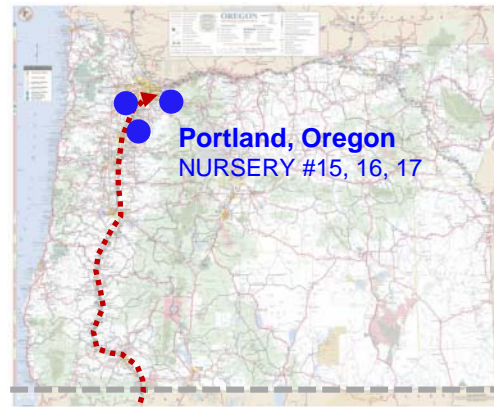
UNDERSTORY PLANTING

TREE PROCUREMENT AND CONTRACT GROW NURSERY



COLOR CODE	ID	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	QUANTITY	CONTRACT SPEC. REF. OR RECOMMENDATION PERIOD UPT	NOTES
P	36	FICUS SARRICA 'BENHAF'	BENHAF FIG	36" BOX	3		
GB	48	QUERCUS NUTTALLI GOLD	NUTTALLI GOLD OAK	48" BOX	1	CG	STANDARD FORM
OP	36	QUERCUS PRINCEPIS SERRATA	PRINCEPIS SERRATA OAK	36" BOX	88	CG	MATCHING SPECIMENS
IM	48	HYDRANGEA FLAVIDA	SWEETSHADE TREE	48" BOX	3	CG	SINGLE TRUNK, STRAIGHT LEADER
J	10	JUBAEA CHILENSIS	CHILEAN VINE PALM	6" P	2	AP	
J	10	JUBAEA CHILENSIS	CHILEAN VINE PALM	12" P	2	AP	
L	36	LEUCODENDRON LAEVIGATUM	AUSTRALIAN TEA TREE	36" BOX	3		NATURAL FORM
L	36	LEUCODENDRON ARGENTUM	SILVER TREE	24" BOX	7	CG	
L	36	LIPSTICKUM CONFERTUM	BESSIEBARK BOX	36" BOX	97	CG	STANDARD FORM, 7'-0" CLEAR TRUNK
L	36	LONICERA FLORIBUNDA	CATALINA HONEYBUSH	36" BOX	5		STANDARD FORM

COLOR CODED TREE PLANTING PLAN



NURSERY LOCATIONS



THE NURSERIES



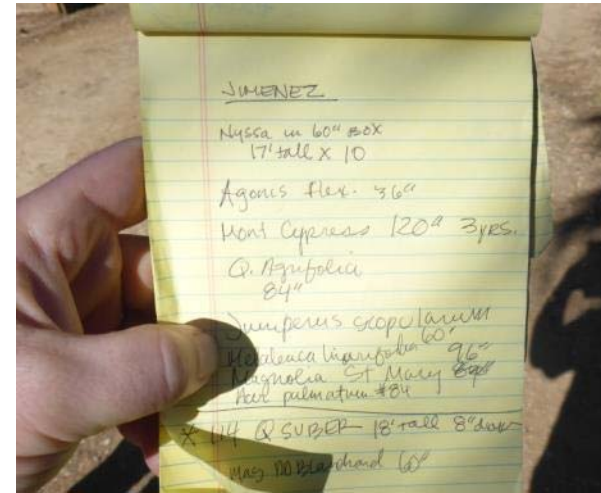
THE NURSERIES



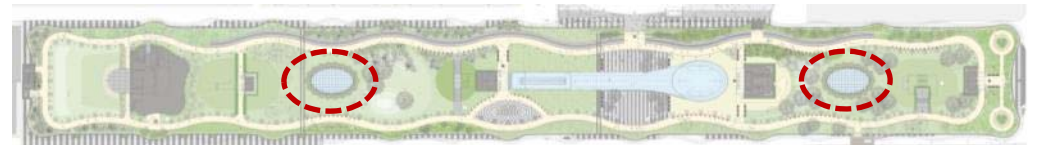
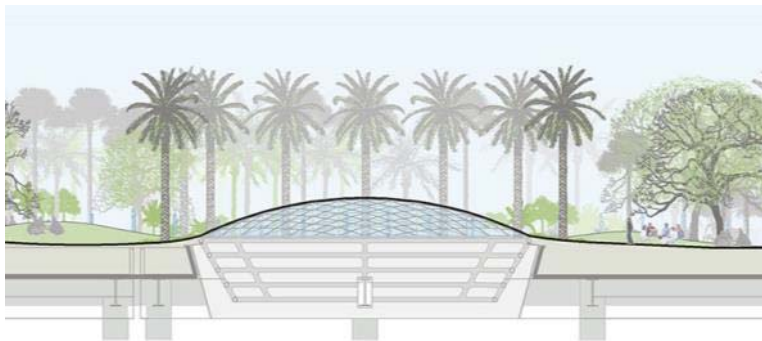
THE NURSERIES



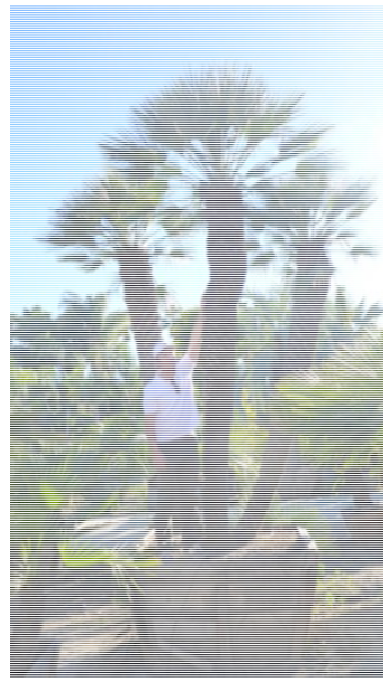
THE NURSERIES



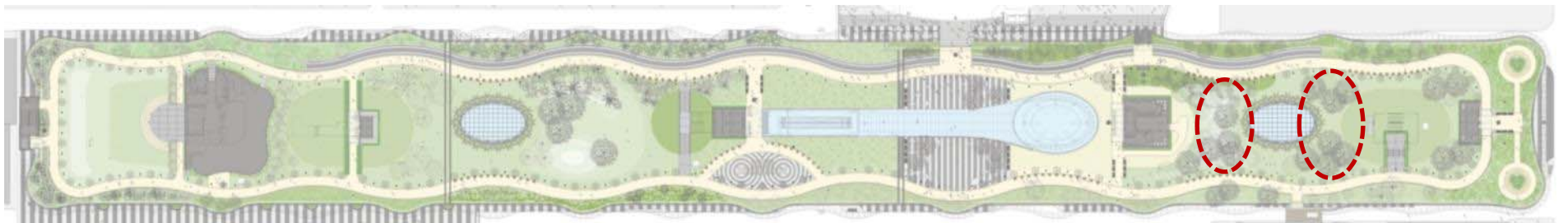
THE TREE TAGGING PROCESS



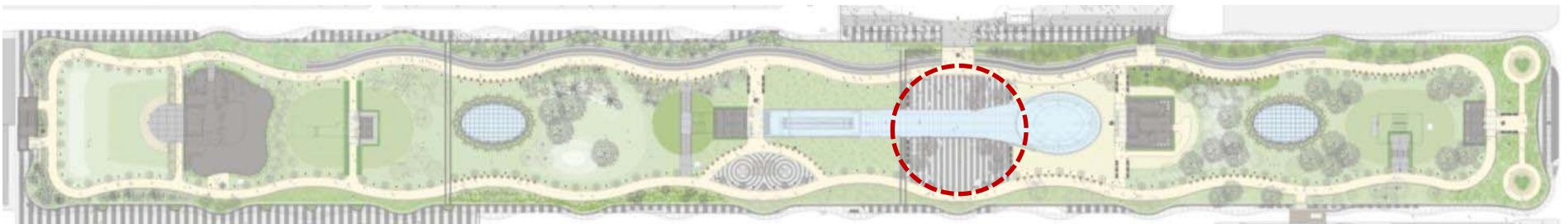
TREE TAGGING – THE SKYLIGHT RINGS



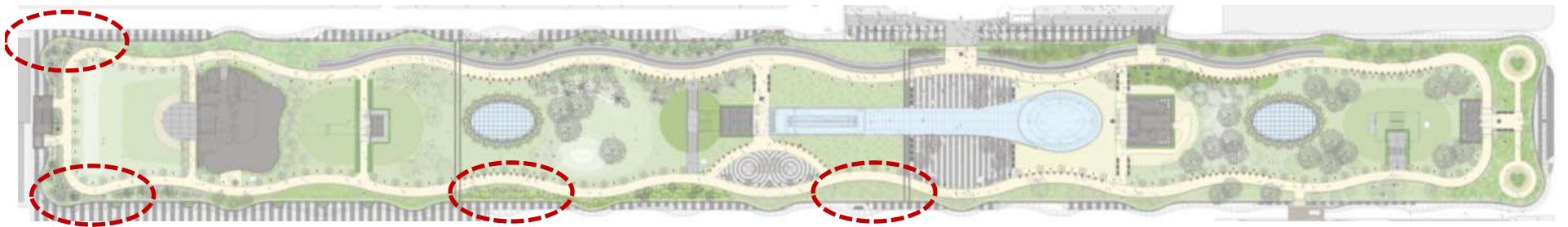
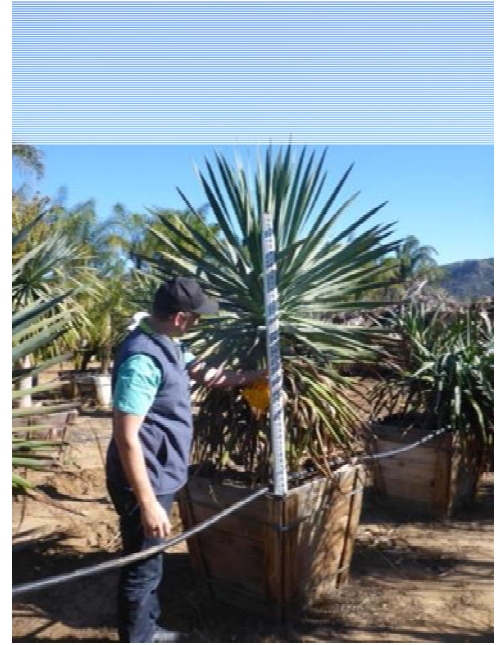
THE PALM GARDEN



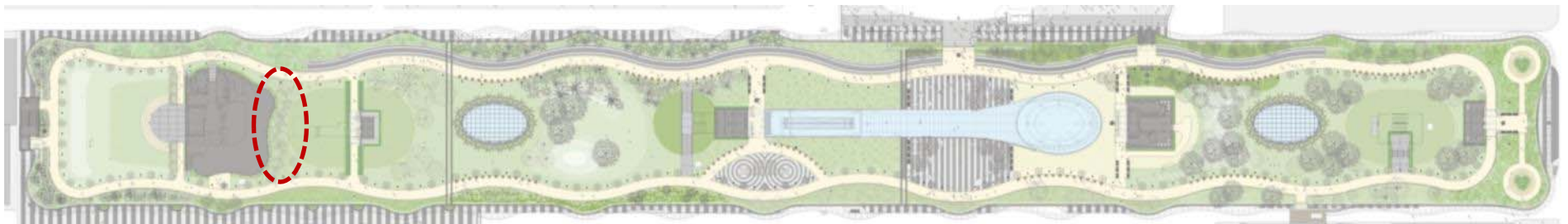
THE OAK MEADOW



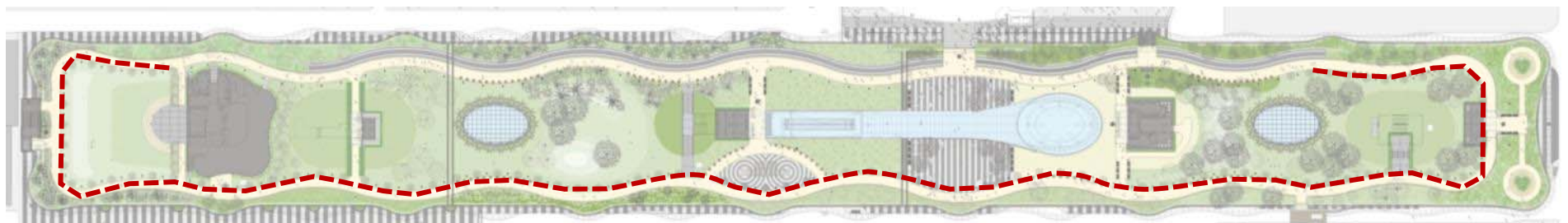
THE PLAZA



FEATURE GARDENS



TREE TAGGING – RESTAURANT GROVE



TREE TAGGING – COLONNADE TREE

1.4.1 PLANT MATERIAL REVIEWED

Botanical Name	Butia capitata
Common Name	Pindo palm
Size Specified	7'-9' Tall
Size Tagged	3.5'- 6' Tall
Nursery	Golden Gate Palms
Nursery Yard	Richmond, CA
Tag Type	PWP Tags
Specified Quantity	3
Quantity Previously Tagged	0
Quantity Tagged This Date	3
Tag Serial Numbers	#71-76, 77-84, 38-41 and 85-90(Alternate)
Date of Review	January 26, 2016
Present	AG, MG, PT, GG, SJP
Contractor's submittal No.	TG1301-051.0

Status/Comments (Only Checked Items Apply):

<input checked="" type="checkbox"/> Tagging complete.	<input type="checkbox"/> Larger size trees tagged, specified size unavailable.	<input checked="" type="checkbox"/> Contractor to balance cost of selected material. Material costs to average out to net zero.
<input type="checkbox"/> Tagging incomplete.	<input type="checkbox"/> Smaller sizes tagged, specified size unavailable.	<input type="checkbox"/> Material replaces previously tagged material (as noted below).
<input type="checkbox"/> Insufficient quantity of acceptable material present.	<input checked="" type="checkbox"/> Range of sizes tagged.	<input checked="" type="checkbox"/> Photograph(s) of representative plant material are attached.
<input type="checkbox"/> No acceptable material present.	<input type="checkbox"/> Alternate material tagged. Specified material unavailable.	<input type="checkbox"/> Replacement plant material covered by warranty.
<input type="checkbox"/> Alternate variety tagged, specified variety unavailable.	<input type="checkbox"/> Contractor shall credit Owner for downgrading of material.	<input checked="" type="checkbox"/> Extra plant material tagged.

Notes:

- PWP visited Golden Gate Palm and reviewed all possible plant species and sizes that could be used to fulfill specified material or as substitutes.
- PWP reviewed a number of available *Butia capitata* specimens at the nursery and selected a variety of sizes to achieve the design intent.
- AG tagged three palms for the group of 7'-9' tall *Butia capitata* specified that ranged in height from 3.5' to 6' tall. The greater range in heights of these palms will realize the design intent better than using all specimens in the size specified. Because the palms are shorter than the specified height, a credit from this selection of *Butia capitata* should be received by the client and applied to the special silver variety of the 11'-13' *Butia capitata* that was specified and tagged. The silver *Butia capitata* is also larger than the specified size.
- PT and GG stated that all *Butia capitata* specimens tagged shall be re-boxed prior to placement in the pre-grow nursery.
- Multiple PWP locking tree tags were locked together to create an assembly long enough to circle and lock around the palm trunks as follows:
 - Tag #'s 71-76
 - Tag #'s 77-84
 - Tag #'s 38-41
 - Tag #'s 85-90 (Alternate)
- Specimen Tag #'s 71-76 and Tag #'s 77-84 are currently in one box. AG stated that the two plants should be reboxed into one new box and remain in one box for pre-grow as well as installation at the site.
- One additional ALTERNATE specimen was tagged(Tag #'s 85-90) to be used only if needed.

1.4.2 QUALIFICATIONS

- Plants were reviewed for aesthetic acceptability.





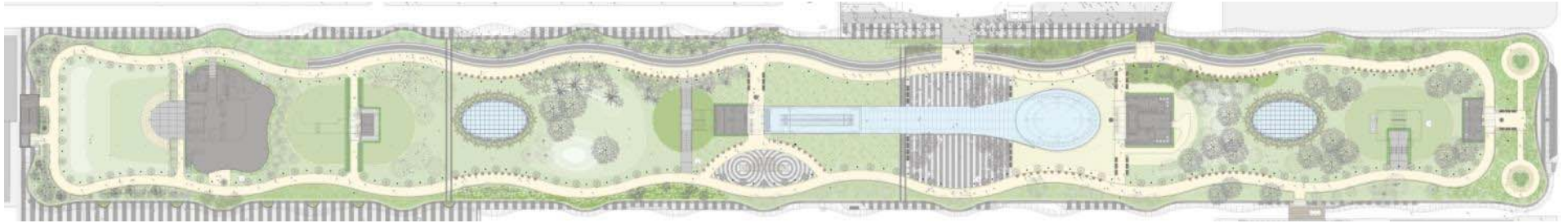
TREES BEING UNLOADED AT CONTRACT GROW NURSERY



TRANSIT CENTER ROOF PARK CONTRACT GROW NURSERY



TRANSIT CENTER ROOF PARK CONTRACT GROW NURSERY



PARK MILESTONES

06/20/15: Park Contract Bids Received

11/12/15 : Park Contract Awarded

12/10/15: Contract grow tree tagging kickoff meeting with contractor

01/25/16: Contract grow tree tagging trips begin

03/31/16 : Contract grown trees begin to arrive at Sunol Nursery

01/02/17: Skylights Installed

05/02/17: Tree Installation Begins

06/01/17: Palm Rings installed around skylights

DECEMBER 2017: Project Substantial Completion