

Transbay Transit Center Rooftop Park



Courtesy Pelli Clarke Pelli
Architects

Agenda

- The Project Team
- The Access
- The Park Features
- The Park Planting
- Sustainability



The Project Team

Transbay Joint Power Authority

PMPC

Pelli Clark Pelli Architects

Adamson Associates International

PWP Landscape Architecture

Thornton Thomasetti

ARUP

FWSP Flack + Kurtz

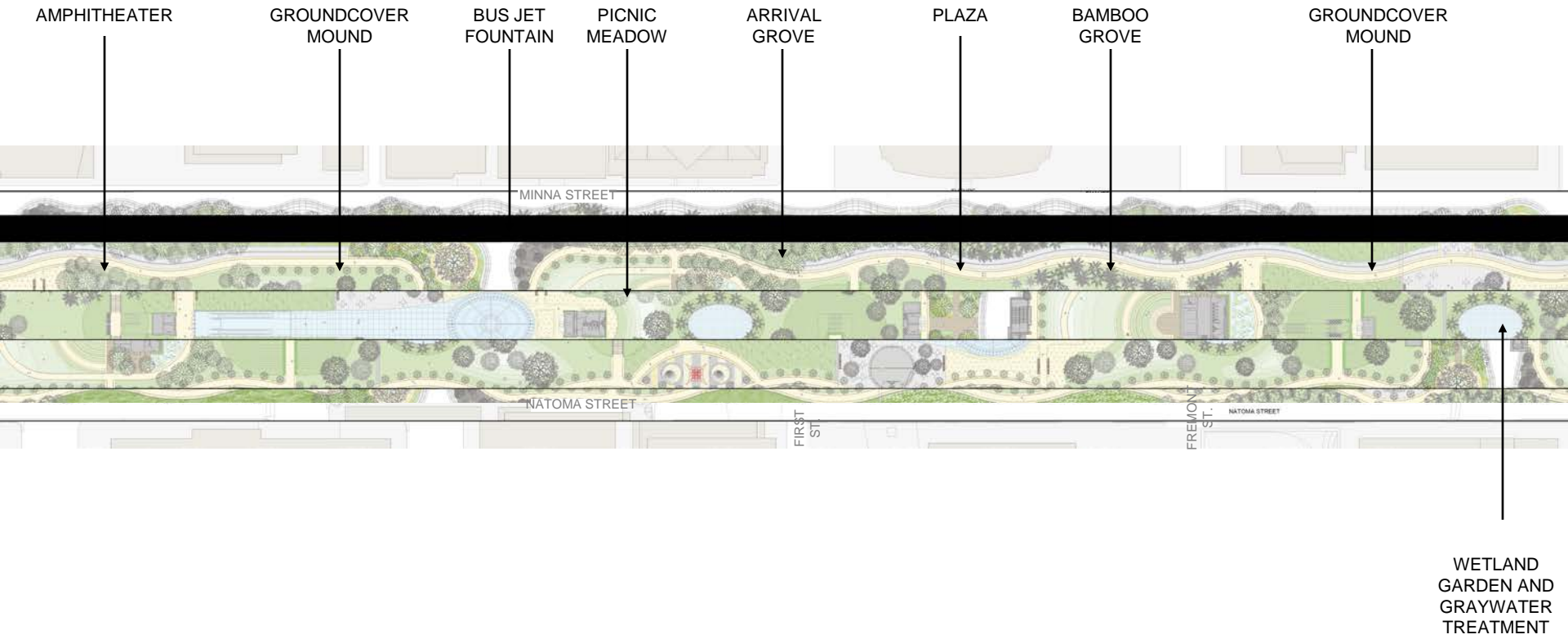
Buro Happold

...and the many others on the
Transbay Transit Center team



Courtesy Pelli Clarke Pelli Architects

Park Plan



Union Square

2.4 Acres

Yerba Buena
Gardens

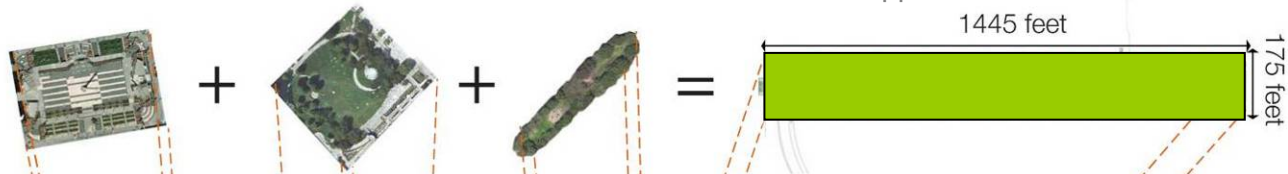
2.2 Acres

South Park

0.8 Acres

Transbay Transit
Center Rooftop
Approx. 5 acres
1445 feet

175 feet



Access

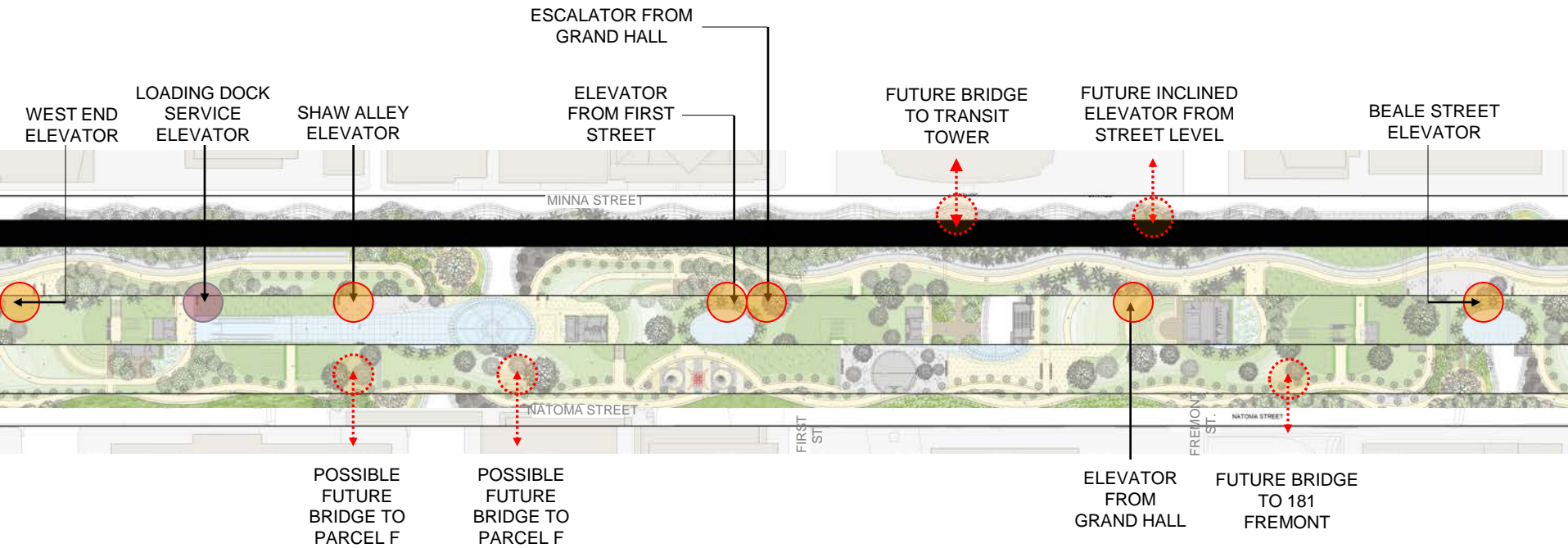




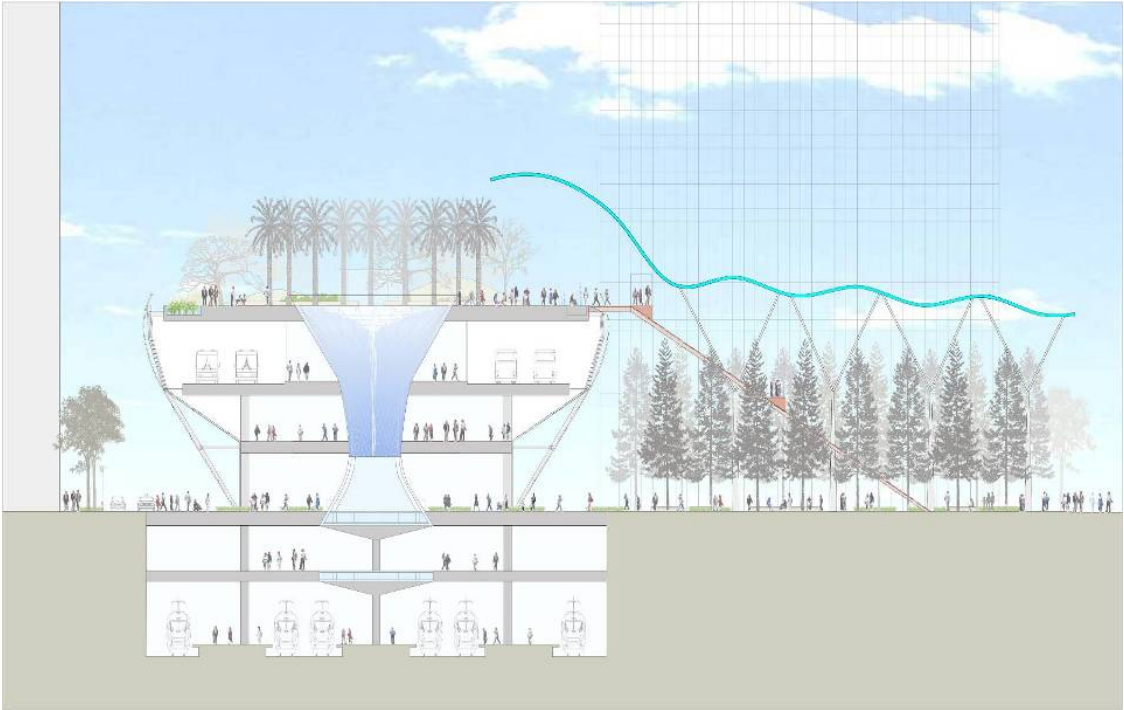


Courtesy Pelli Clarke Pelli
Architects

Access Points

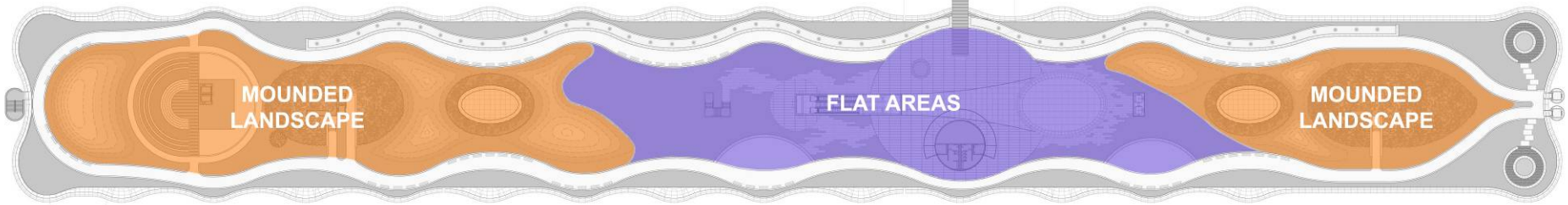


Access Points – an event on the street

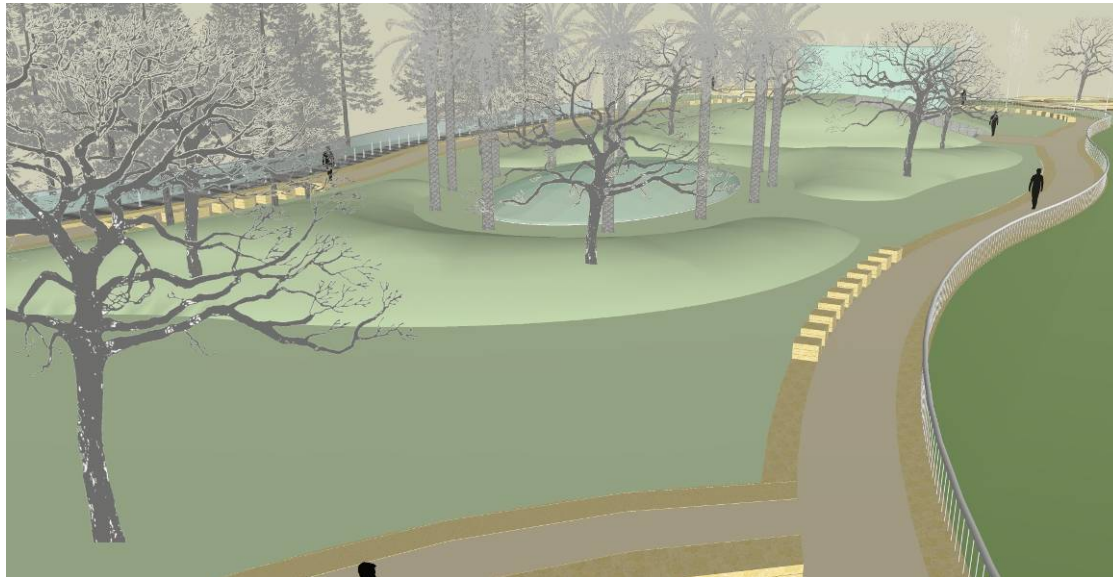
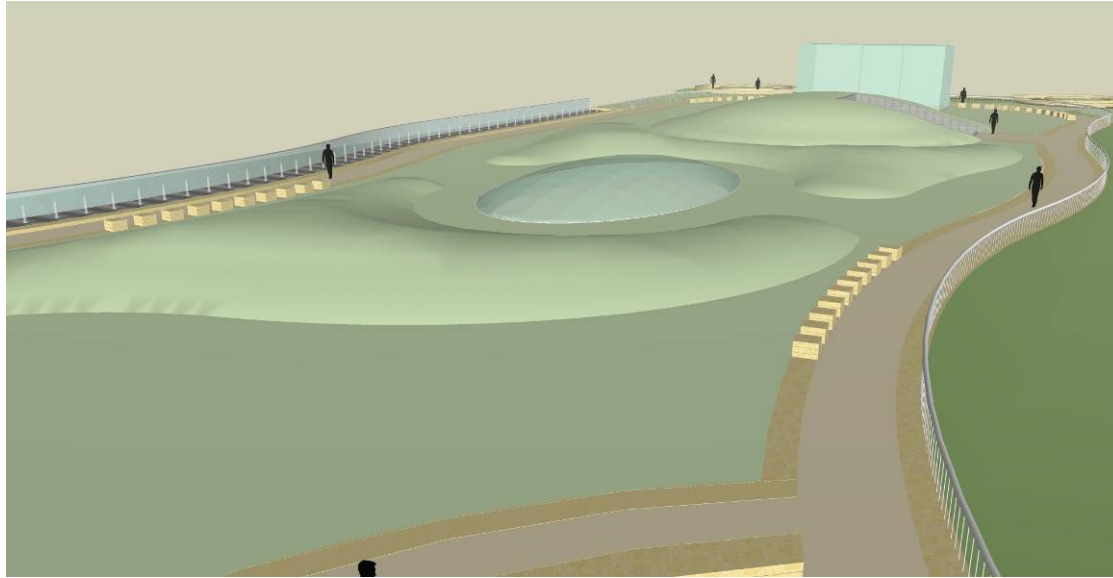


The Park Features

Park Topography and Program



Park Topography





MAIN CIRUIT PATH
(in yellow)

MAIN PLAZA / ARRIVAL AREA



Arrival Areas

ESCALATOR FROM GRAND HALL
ELEVATOR FROM FIRST STREET

ARRIVAL GROVE

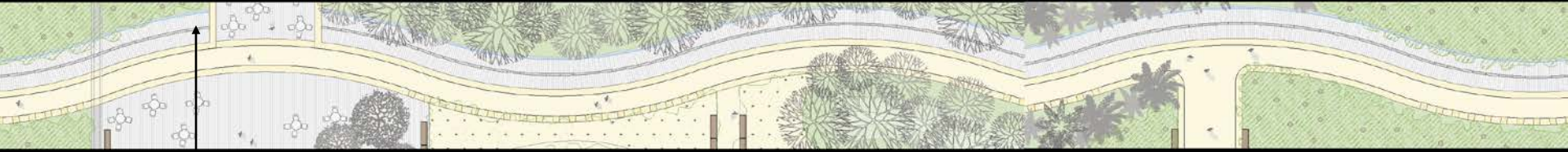
PLAZA

FUTURE BRIDGE TO TOWER

BAMBOO GROVE

ELEVATOR FROM GRAND HALL /
FREMONT STREET

FUTURE INCLINED
ELEVATOR PAD

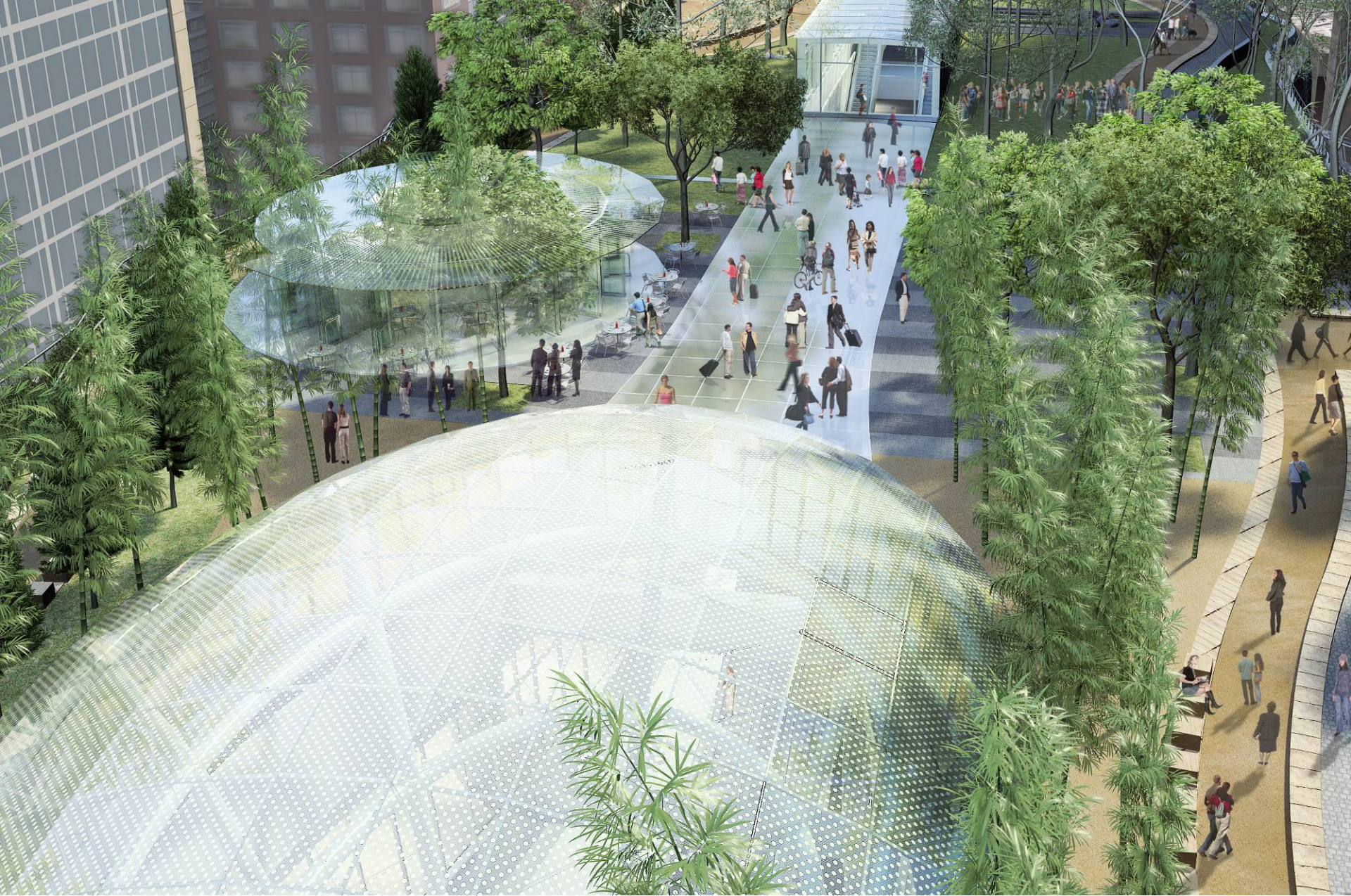


CHILDREN'S
GARDEN















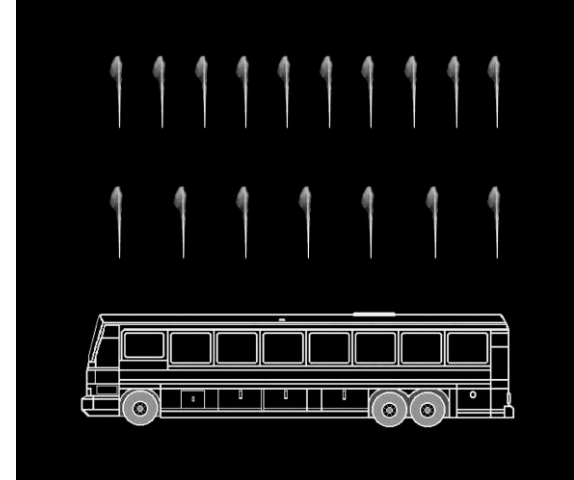
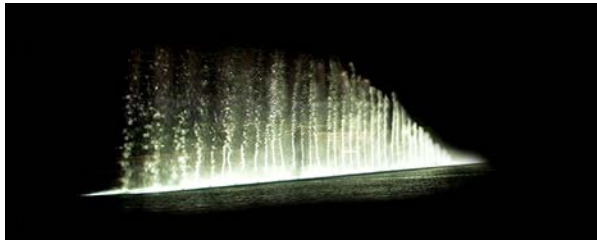
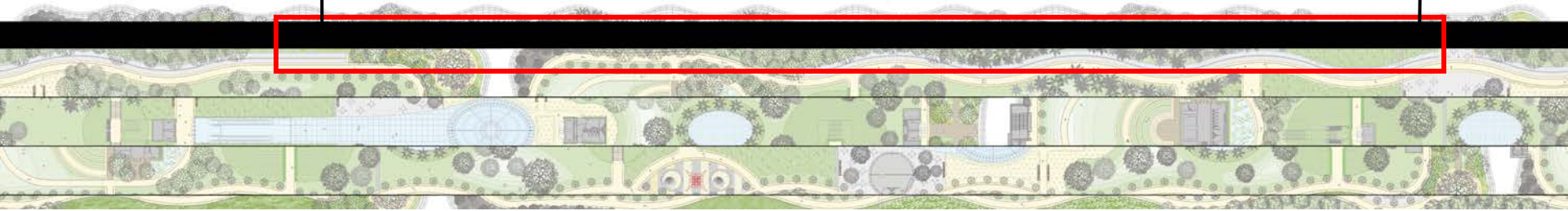




CHILDREN'S GARDEN

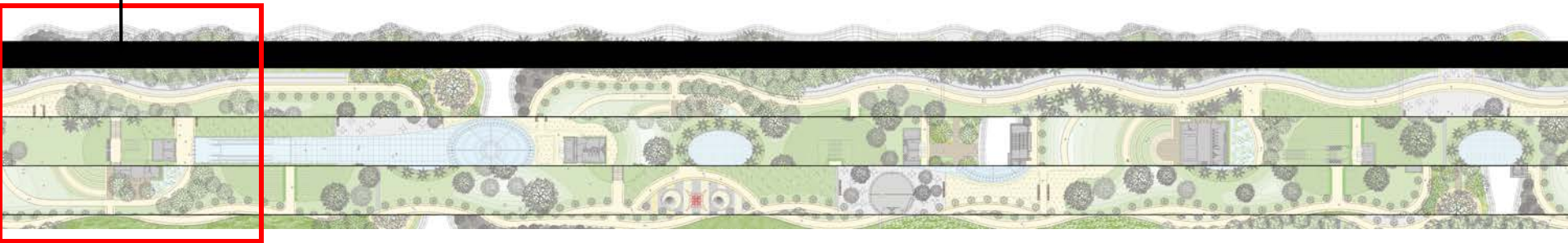
Bus Jet Fountain

PUBLIC ART WITH NED KAHN:
INTERACTIVE BUS JET FOUNTAIN

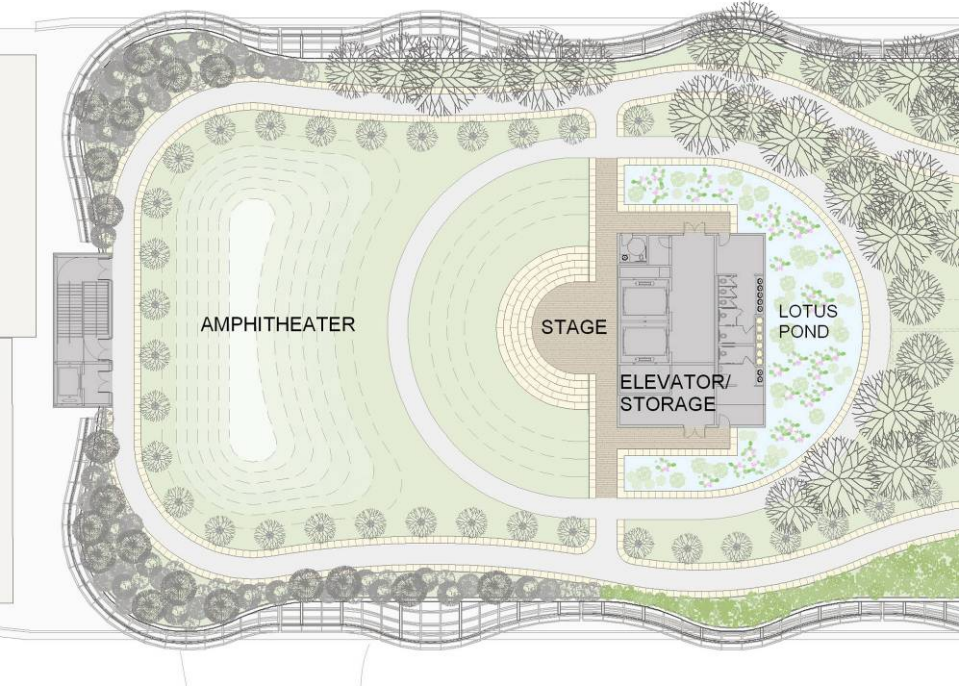




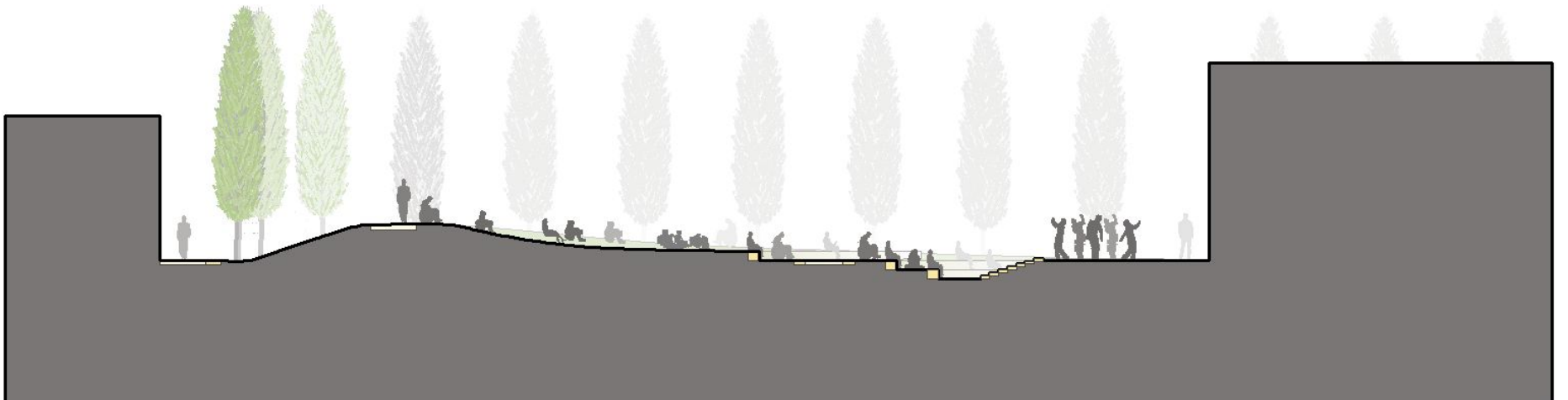
AMPHITHEATER



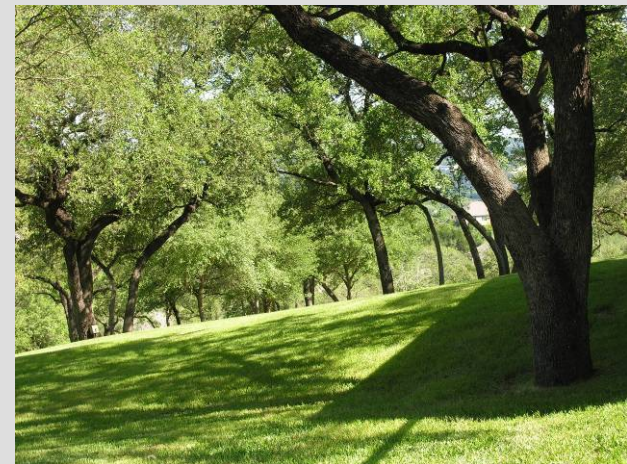
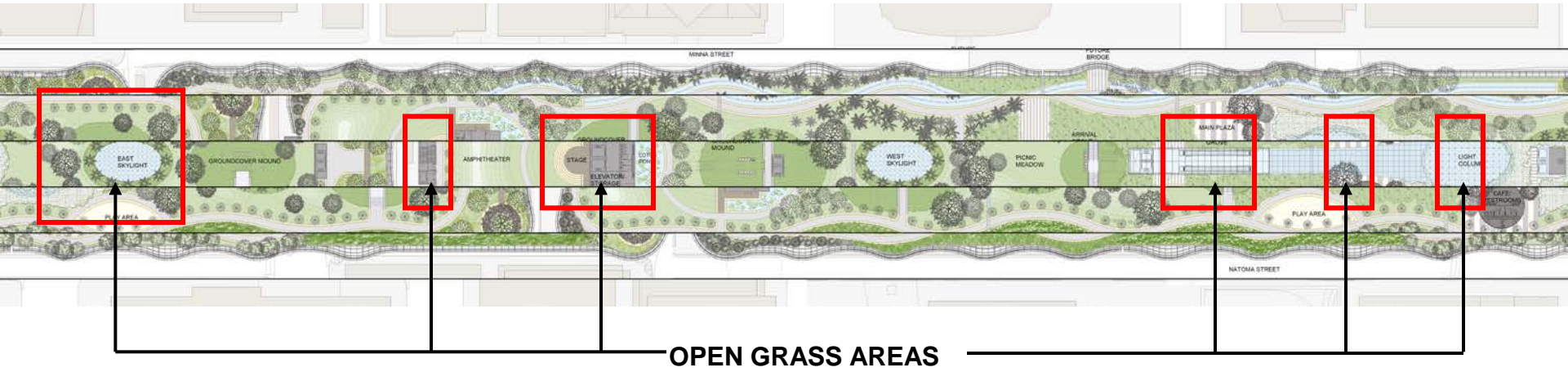
Amphitheater



Amphitheater

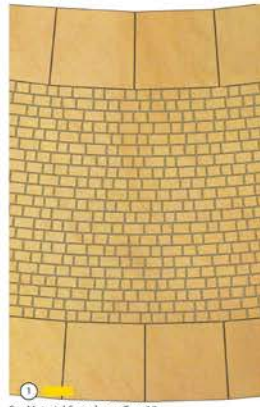


Grass Areas





1



For Material Sample see Tray 12



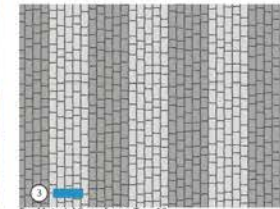
1



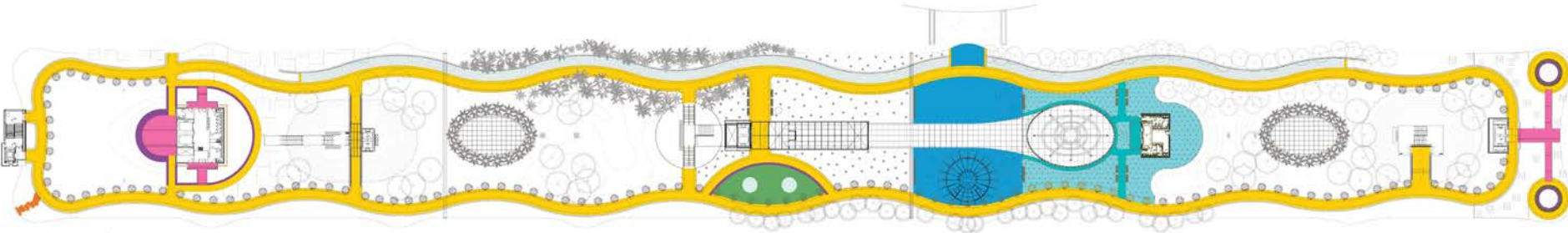
For Material Sample see Tray 12



1



For Material Sample see Tray 12



For Material Sample see Tray 12



For Material Sample see Tray 12



For Material Sample see Tray 12



For Material Sample see Tray 12
Stone: Sample #1



7



For Material Sample see Tray 12

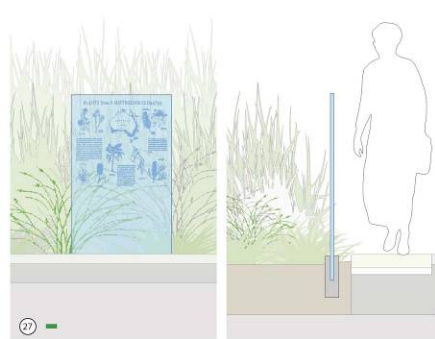
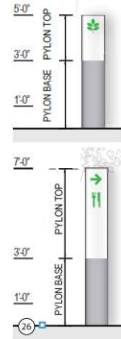
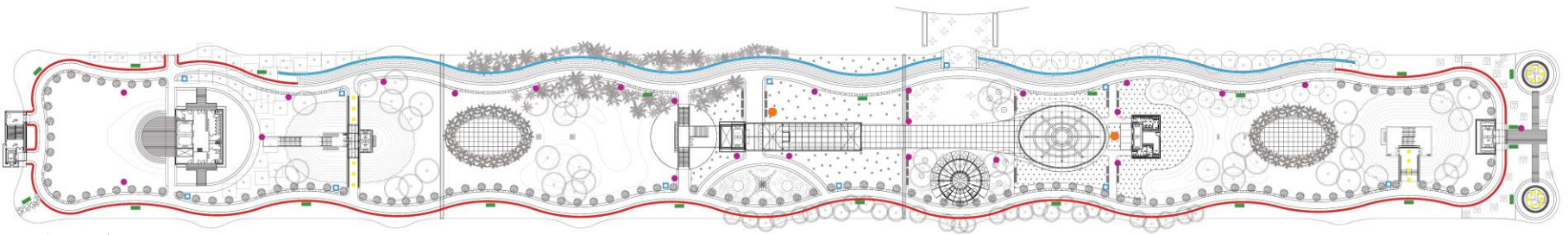
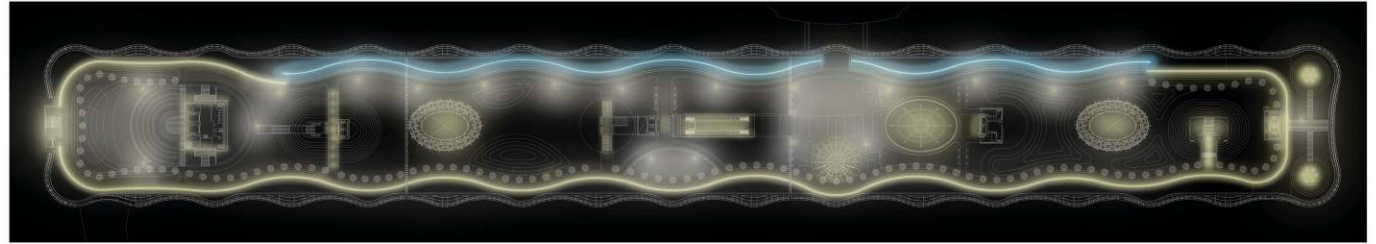
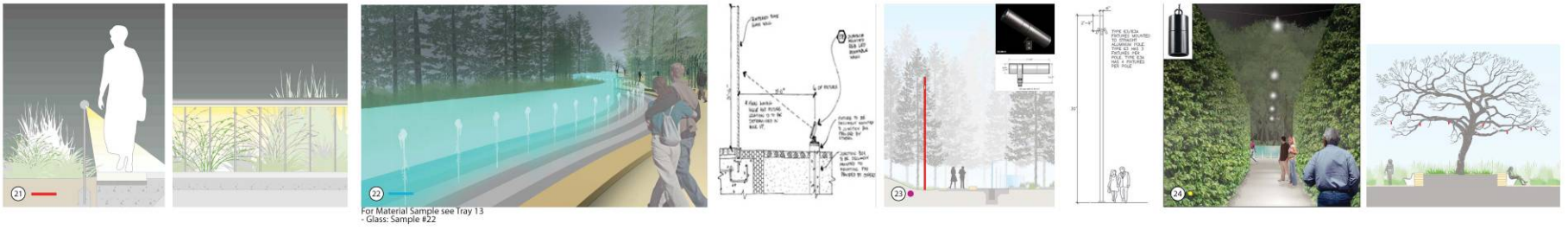


For Material Sample see Tray 12

Materials Legend

- 1 Park Path
- 2 Stone - Curbs and Walls
- 3 Plaza Cobblestone
- 4 Ipe Decking
- 5 Flagstone
- 6 Safety Surfacing
- 7 Sand
- 8 Stabilized Decomposed Granite
- 9 Decomposed Granite / Gravel
- 10 Trench Drain

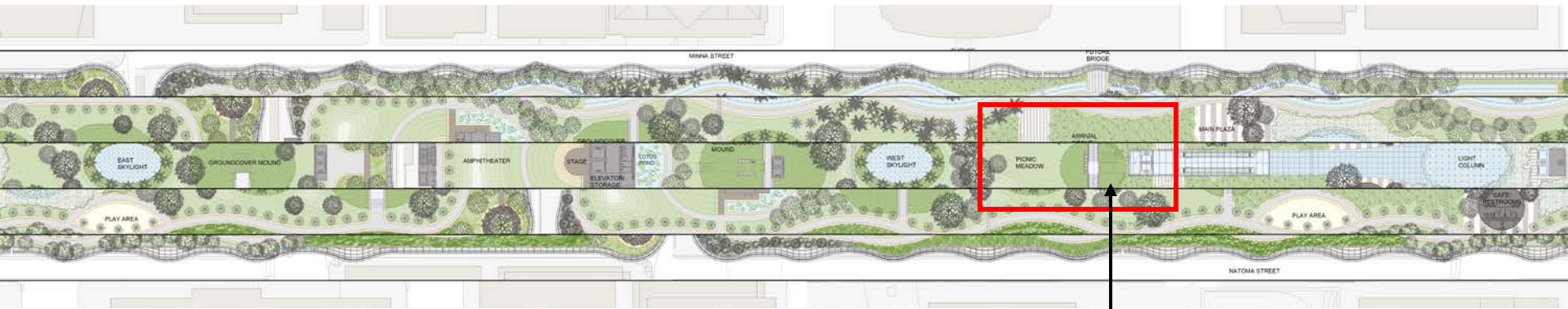




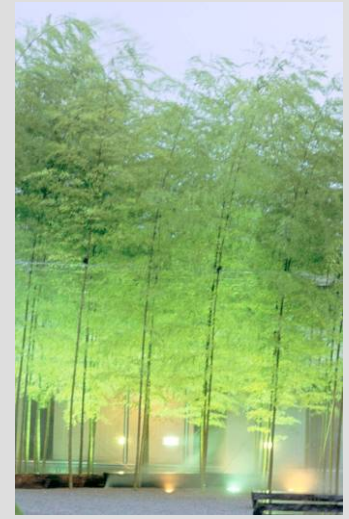
- Lighting & Signage Legend
- (21) Lighted Rail
 - (22) Illuminated Glass
 - (23) Mast Light
 - (24) Hanging Light
 - (25) Boulder Signage
 - (26) Pylon Signage
 - (27) Display Garden Signage



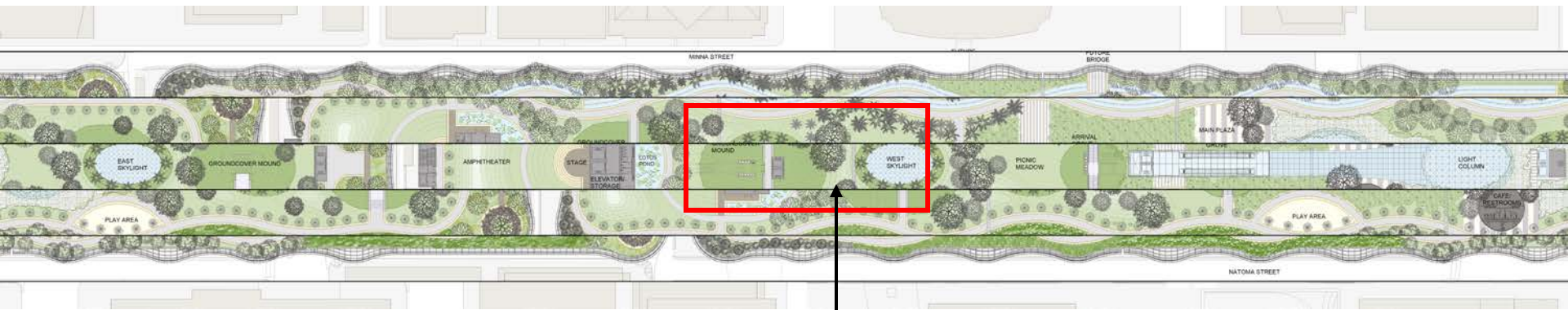
Park Planting



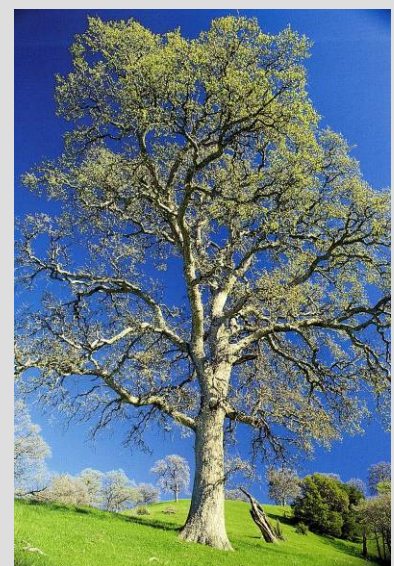
BAMBOO GROVE



PARK PLANTING



ARRIVAL GROVE



PARK PLANTING



PALM GARDEN

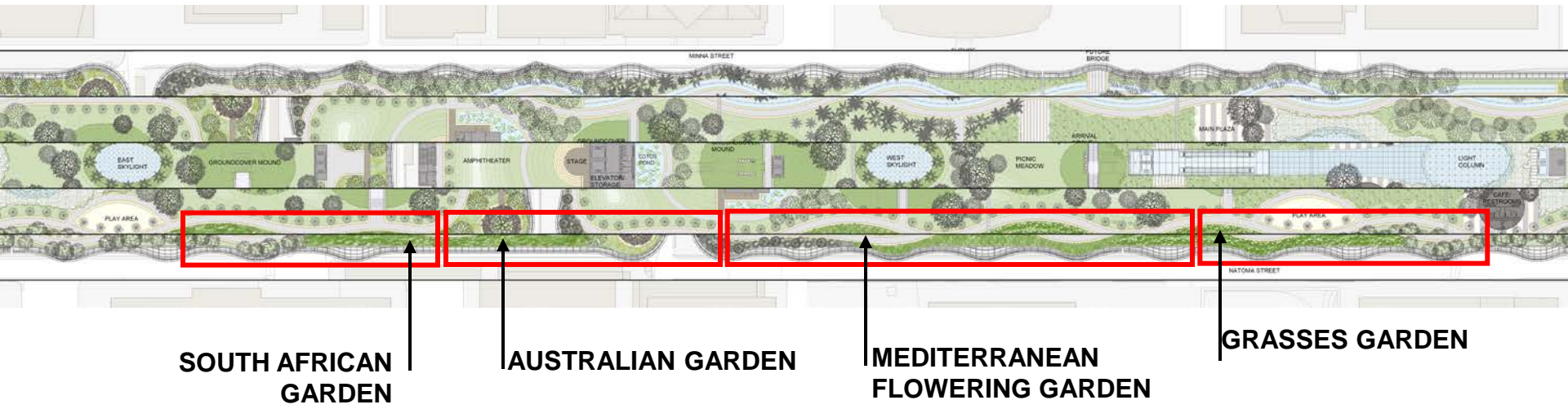


PARK PLANTING

ICONS OF CALIFORNIA



PLANTING



SOUTH AFRICAN GARDEN

AUSTRALIAN GARDEN

MEDITERRANEAN FLOWERING GARDEN

GRASSES GARDEN





DRY GARDEN



PARK PLANTING



LILY POND



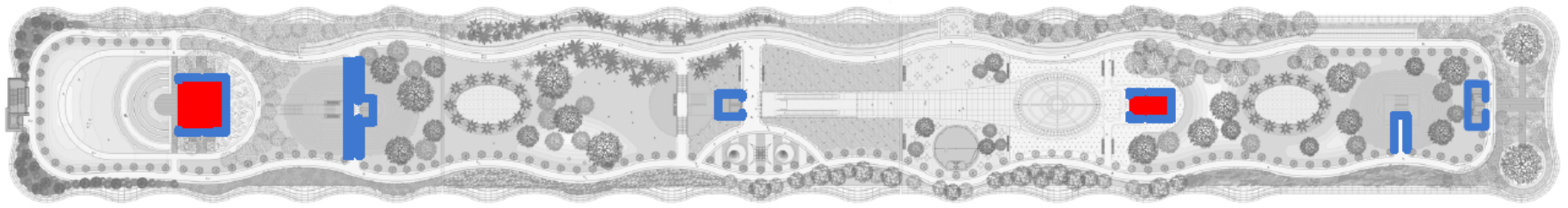
PARK PLANTING





WETLAND GARDEN



PARK PLANTING



LEGEND	
	GREEN FACADES
	GREEN ROOFS



Sustainability

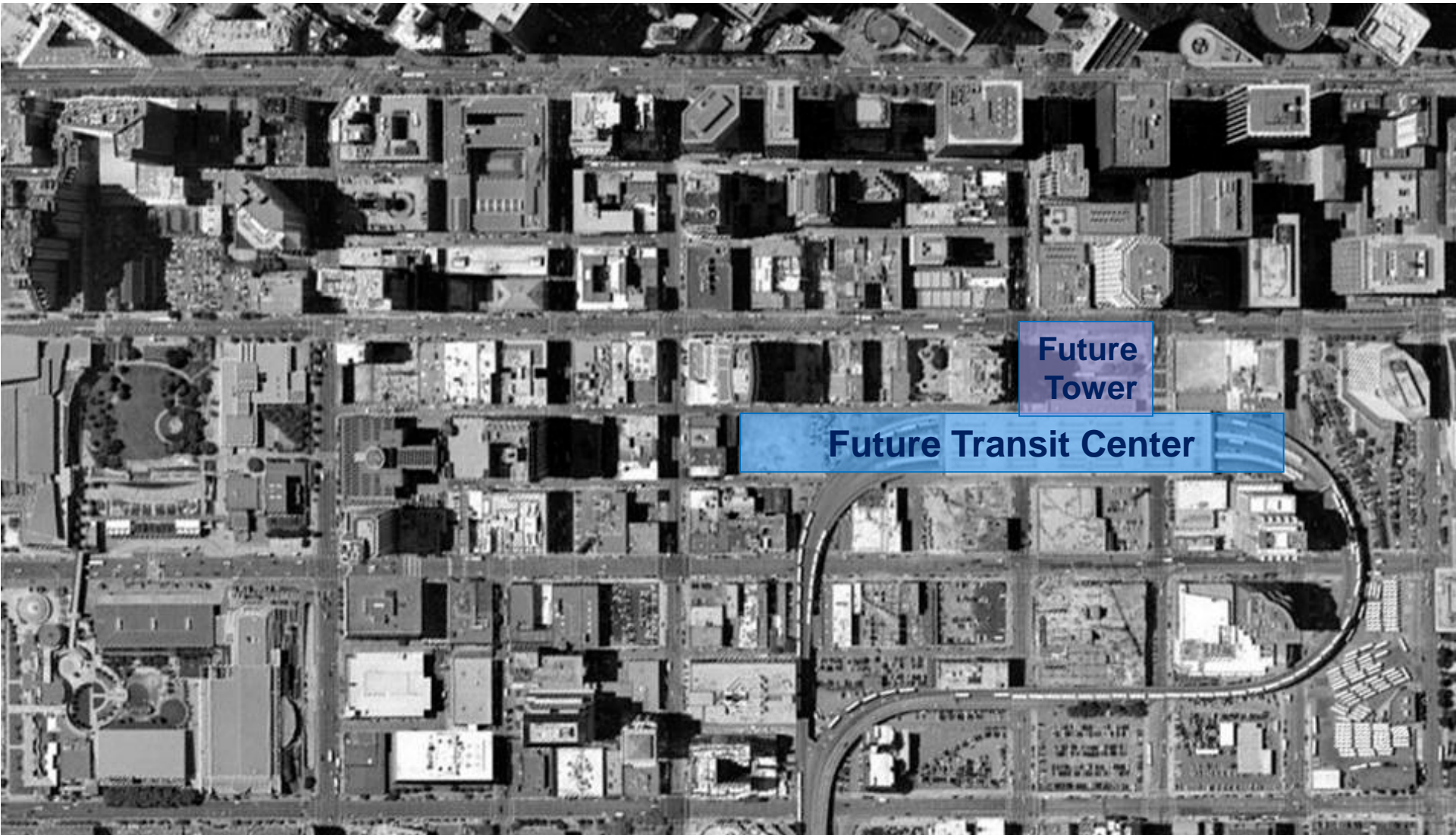
Transbay Transit Center Rooftop Park

Sustainable Aspirations

- Decrease impermeable (roof) surface
- Detain/retain stormwater
- Construct rooftop wetland to treat a portion of building's graywater
- Graywater reuse toilet flushing
- Low water demand vegetation and specifically acclimated plants
- Efficient Irrigation – 50% Water Use Reduction

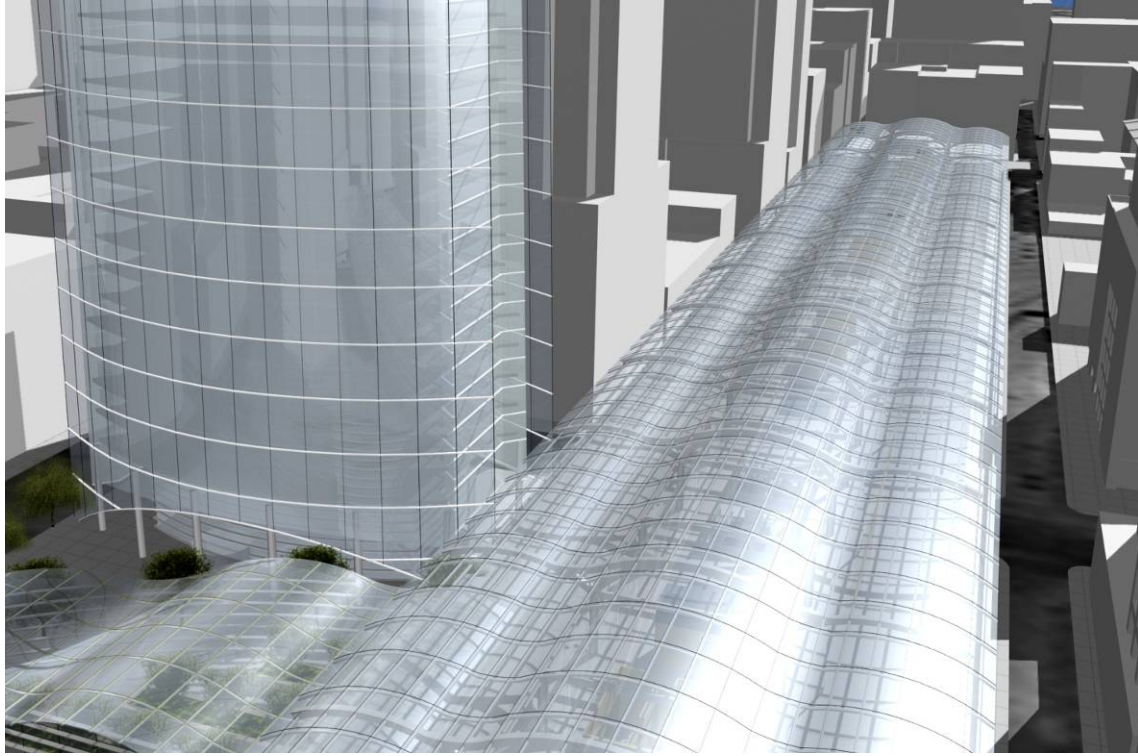


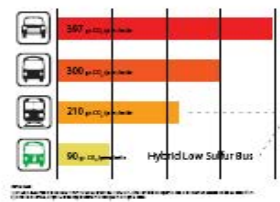
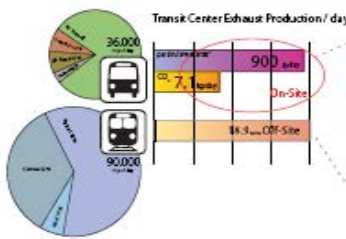
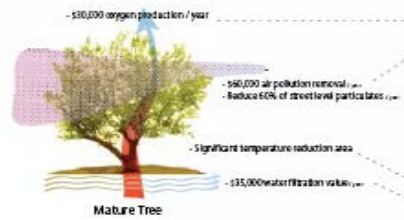
Site Plan



**Future
Tower**

Future Transit Center

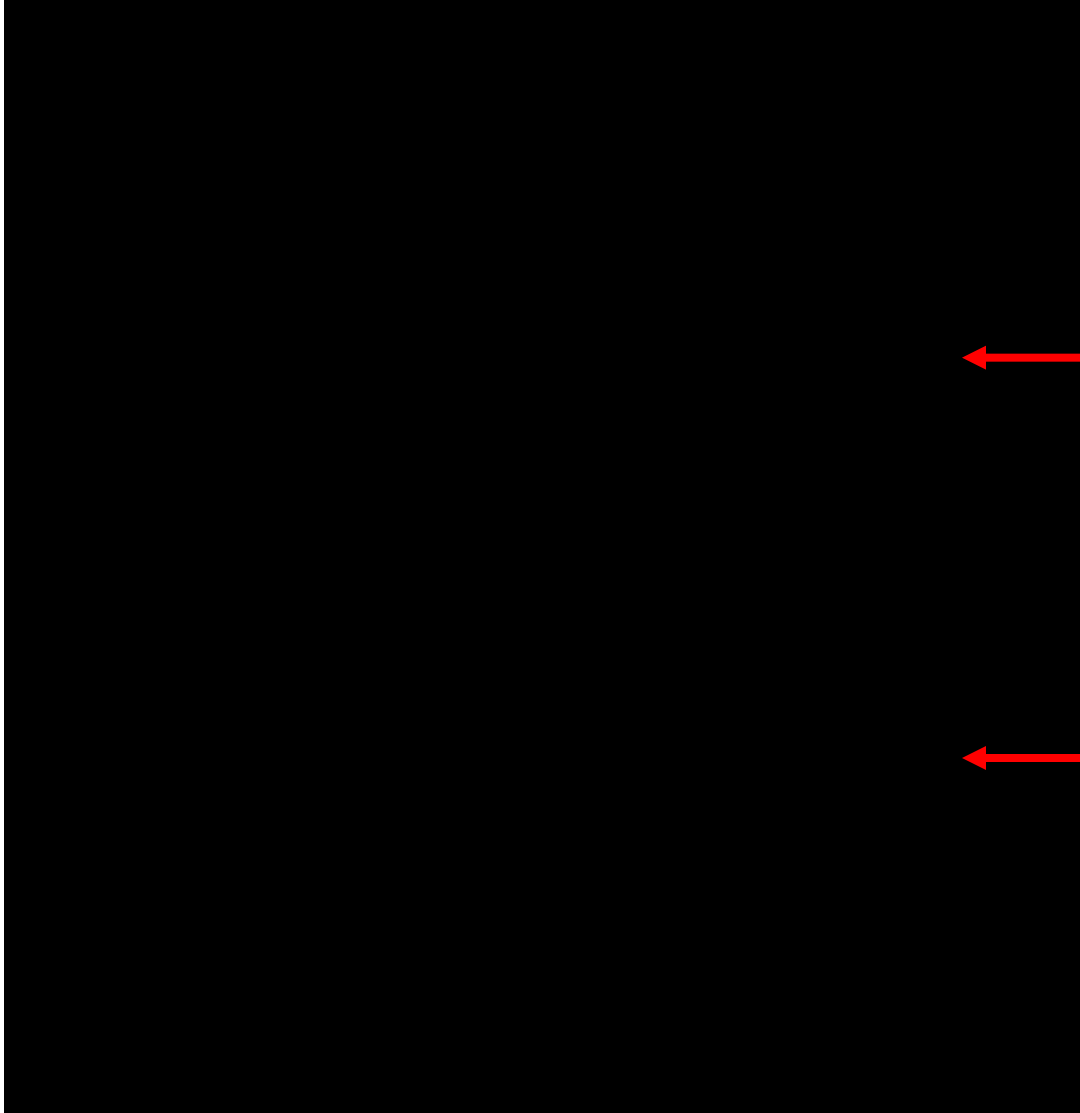




Total Building Energy Target is to Reduce by 28%

- Pumps and Heat Exchanger:** 5%
 - Heat recovery system
 - Low energy pumps
 - Variable frequency drives
 - Variable speed drives
- Geothermal Systems:** 5%
 - Use the geothermal system of cooling and heating
 - Reduce the requirement for mechanical cooling
- Energy Flow:** 10%
 - Use geothermal system for heating and cooling
 - Use solar system for heating and cooling
 - Use solar system for heating and cooling

Graywater Treatment



GRAY
WATER
TREATMENT
ZONES



Graywater Treatment



MAIN
PATH

WETLAND GARDEN
AT SUBSURFACE
GRAYWATER
TREATMENT AREA

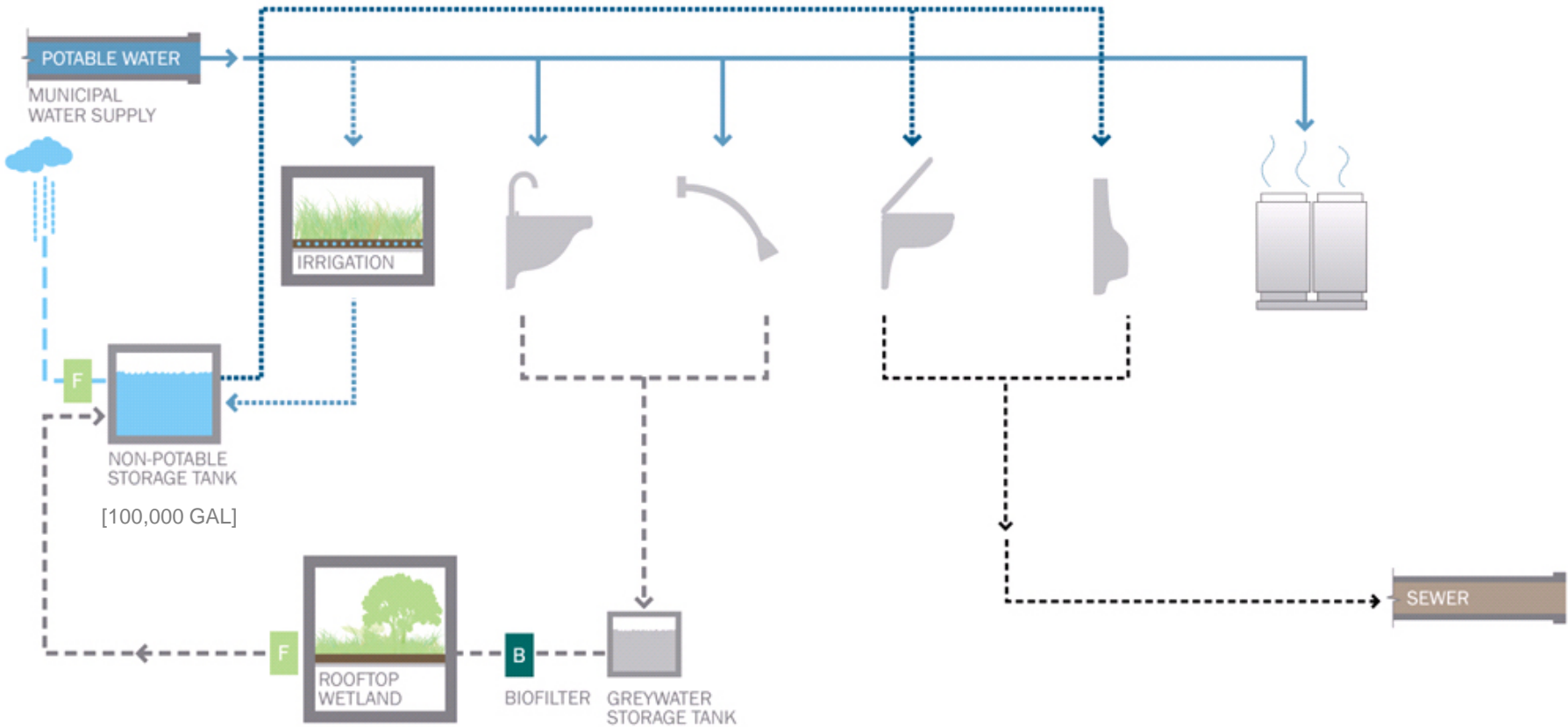
PATH
AROUND
OVERLOOK

OVERLOOK

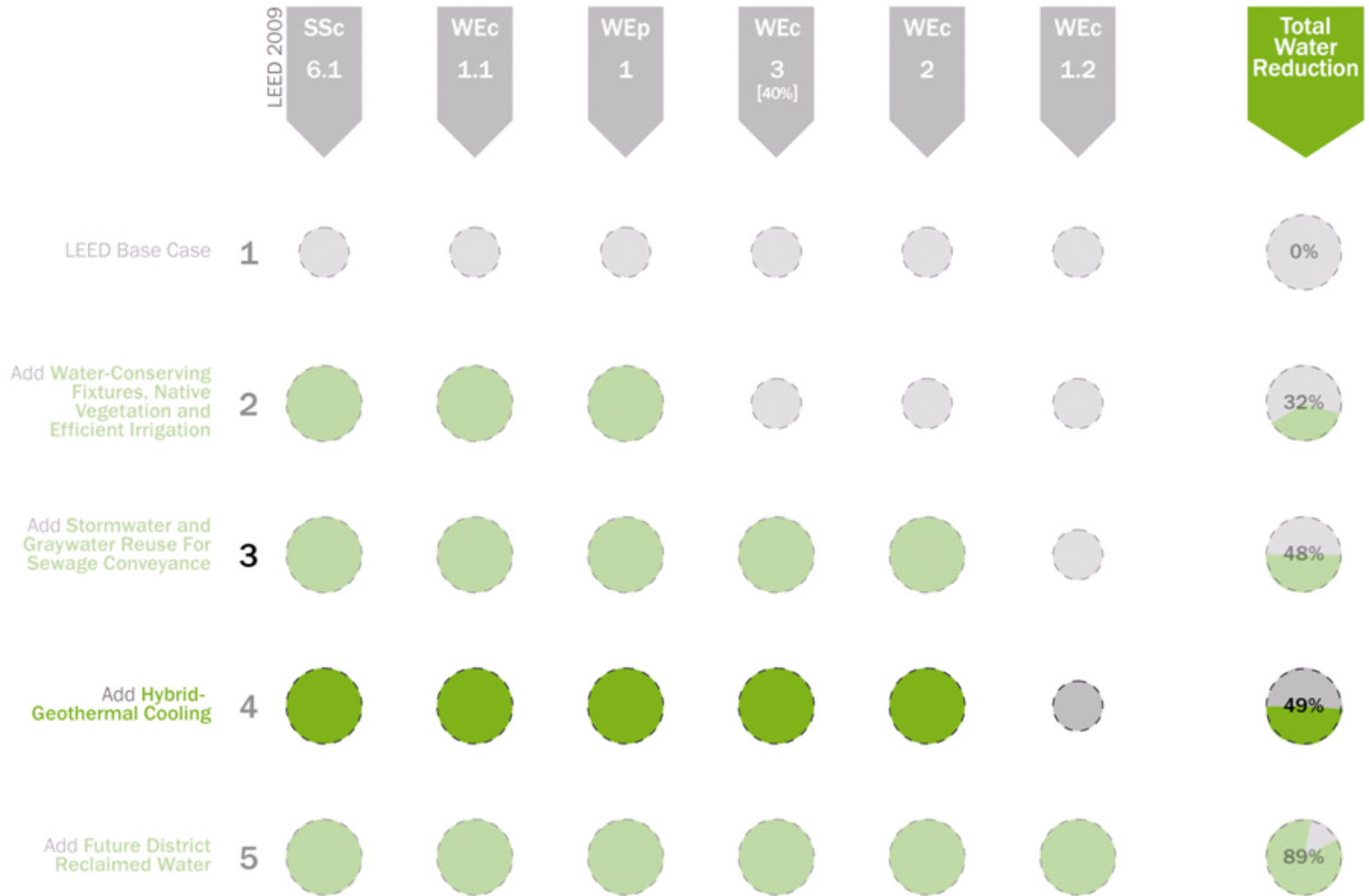
PATH
AROUND
OVERLOOK

WETLAND
GARDEN

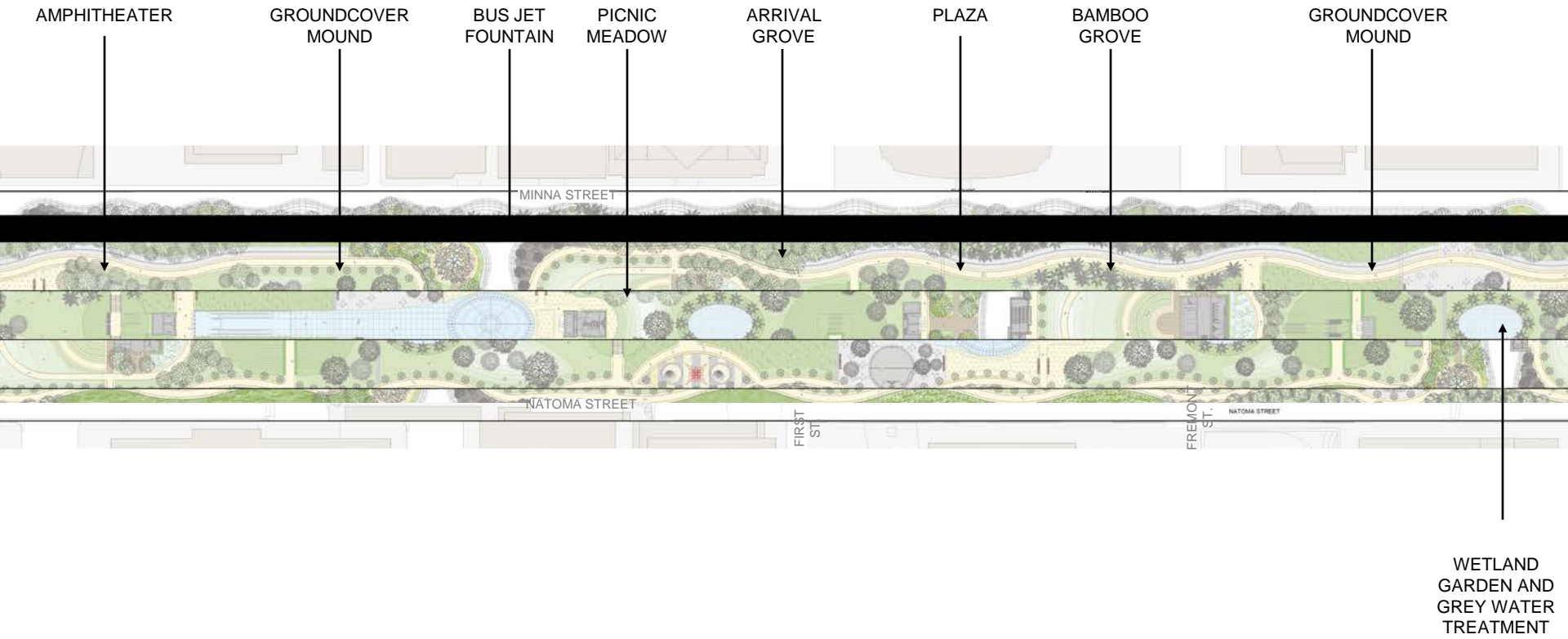
Water Cycle



Water Benchmarking



Park Plan





Transbay Transit Center Rooftop Park
TJPA / Pelli Clarke Pelli Architects / PWP Landscape Architecture