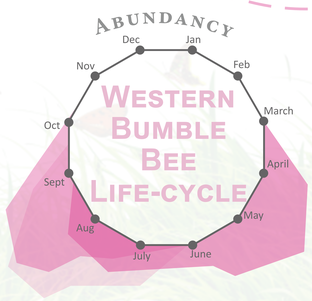
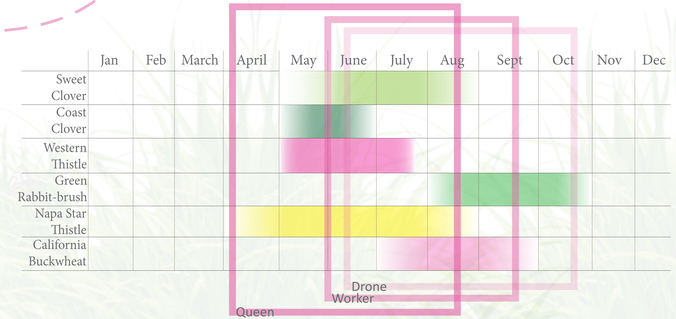
Pollinator Paradise

Taylor Yard Parcel G2

Hope ..... Needs ..... Struggles ..... Community





Pollinator Paradise is a recreational and educational park that focuses on the hope, needs, struggles, and community of the Western Bumble Bee. The Western Bumble Bee is an endangered species, native to Los Angeles. By re-establishing habitat for the bee, and creating a sanctuary for pollinators in the metropolis, there's potential for promoting growth in the Western Bumble Bee population. Providing habitat ensures ***hope*** for the endangered species as this is the leading cause for loss in native bee colonies. ***Hope*** of the spring season allows for the queen to emerge from hibernation and establish a hive. As the hive develops, the ***needs*** of the bees such as, pollinator plants, water, and habitat space must be fulfilled. Developing hives go through ***struggles***. Herbicides pose a threat on the Western Bumble Bee. Even throughout hardship, the hive remains a ***community***. The ***community*** and re-establishment of new queens, workers, and drones allows the hive to revive every spring.

Master Plan

Reclaiming Nature

AN 0' 50' 100' 200' Scale 1":100'

SOTOMAYOR LEARNING ACADEMICS

OUTDOOR CLASSROOM

TEST GARDENS

HIVE DEVELOPMENT

OPEN SPACE

ORCHARD

CENTRAL PLAZA

OPEN SPACE

FED EX SHIP CENTER

N SAN FERNANDO RD

RIO DE LOS ANGELES STATE PARK

METRO-LINK

POLLINATOR PLANTING PLAN

BEE ART WALK

SPLASH PAD

LOST FOREST

POLLINATOR HOUSE

PARK ENTRY

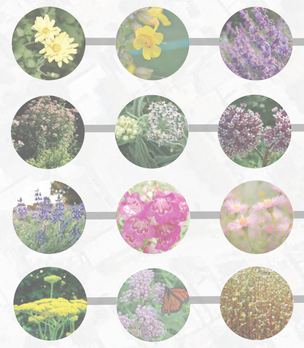
ELYSIAN VALLEY NEIGHBORHOOD

THE LOS ANGELES RIVER

DOWNTOWN LOS ANGELES

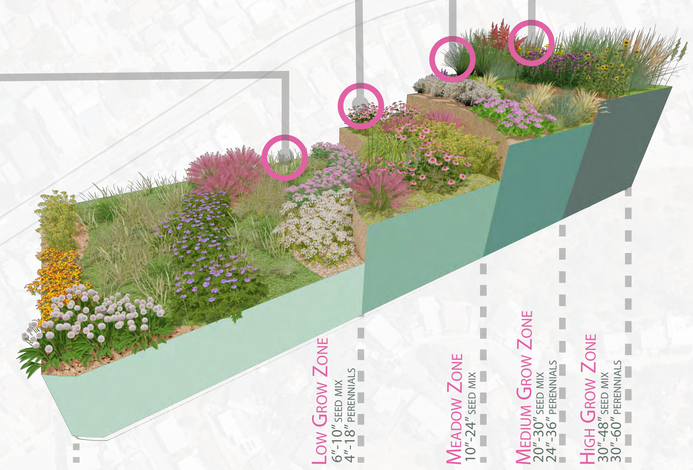
B 0.1 B 0.2 B 0.3 B 0.4 D0.1 D0.2 D0.3

Planting Plan

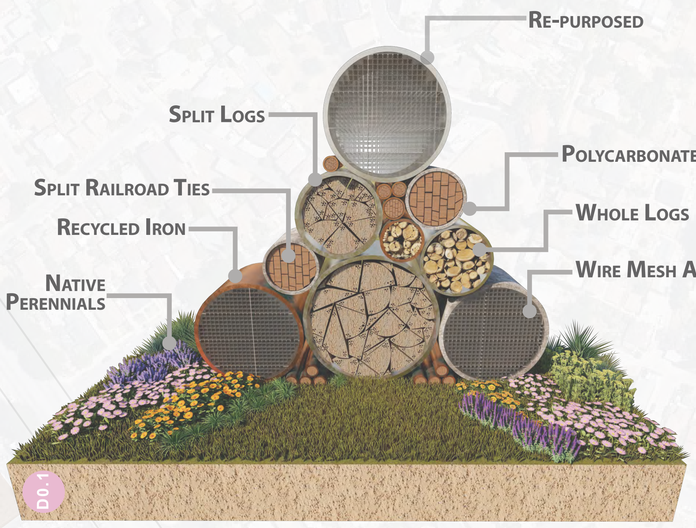


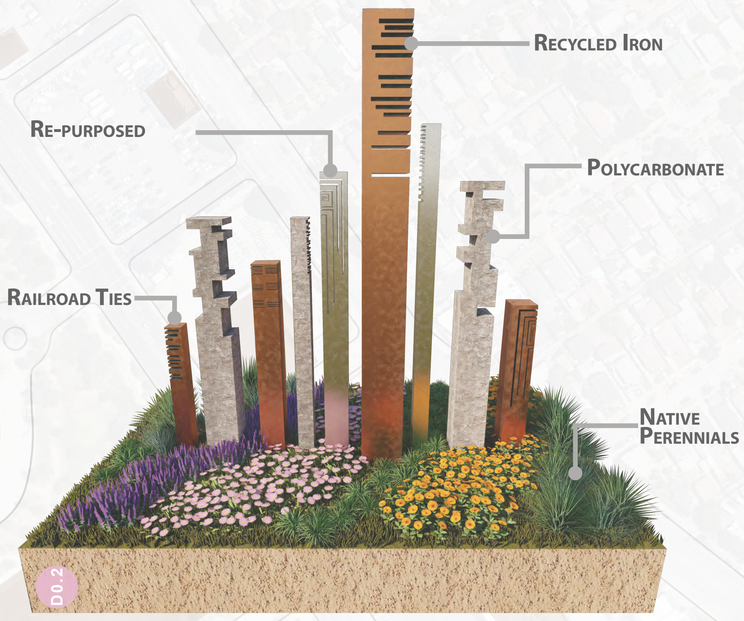
Through four matrix planting layers, native California perennial species create a pollinator sanctuary for the Western Bumble Bee. The matrix scheme consists of 70% structural grasses and 30% filler perennials.

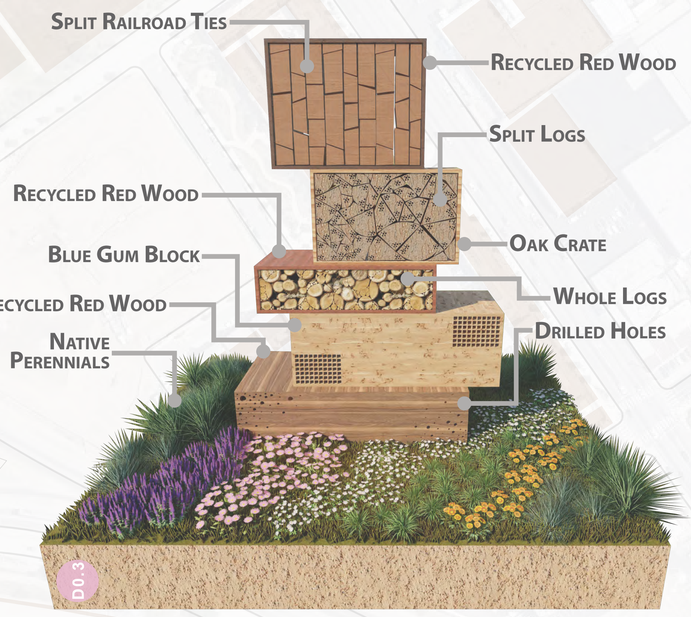
Planting in drifts is a concept that is appreciated from many different angles.

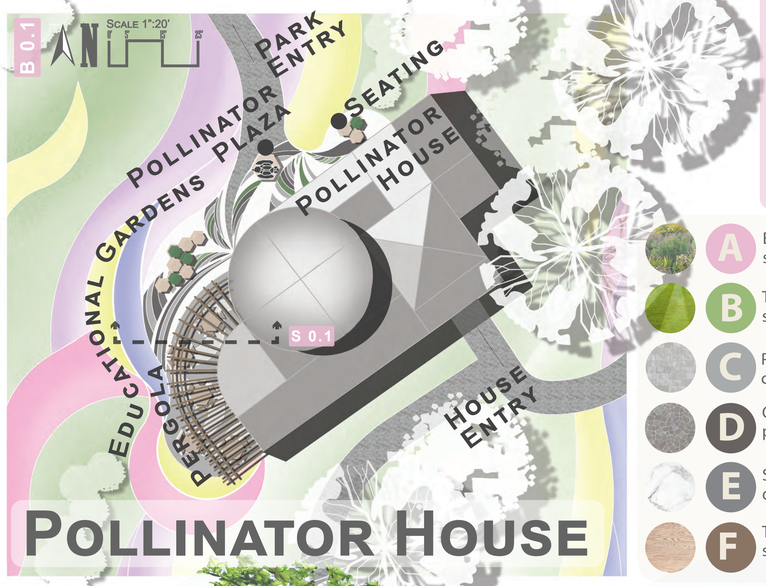


Bee Hotels









Pollinator House

HOPE

Pollinator House is the entry into Pollinator Paradise. Pollinator house is an educational experience. Here, visitors learn about native pollinators. Through the Plaza exit, visitors can visualize how bee queens emerge from hibernation by different exit paving patterns. Branching out off of the queen trails, are smaller paving sections to display the workers and drones. The plaza also consists of a seating area and educational gardens.

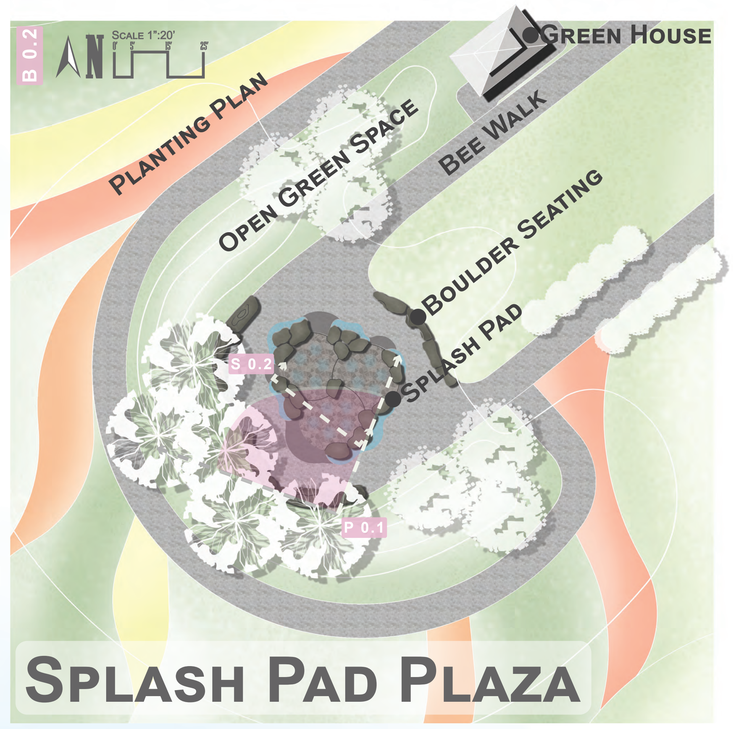
- **A** Educational gardens to describe the planting concept on a small, personal scale.
- **B** The soft scape within the paving plan allows for change between the hard surfaces.
- **C** Paving pattern that represents the worker and drone bees. A light secondary color to give hierarchy to the queens' pattern.
- **D** Queens' paving material; the dark color gives hierarchy to the section. The lighter patterns branch off of the queens' pattern.
- **E** Seating elements made of natural stone from California. These artist pieces are designed around the six sided shape of a bee hive.
- **F** The natural wooden pergola provides shade for the seating area along with a subtle change to the outdoor plaza.

NEEDS

A key factor in ensuring the survival of the Western Bumble Bee is the presence of a water source. The Splash Pad Plaza is designed to satisfy the necessity of water, while creating a space for children to play. Materials of the Splash Pad Plaza consist of native Californian mountain boulders, native perennials, and recycled ground water. With both parties in mind, the Slash Pad's boulders separate and surround it from the pollinator fountain. This provides a safe interaction between the pollinators and humans.

Splash Pad Plaza is a destination that mutually benefits the Western Bumble Bee and park visitors.

- **A** Non slip surface for visitors to play on while visiting the splash pad.
- **B** Fountains that spray water up to four feet high during play on the splash pad.
- **C** Californian boulders to protect the pollinator fountain and the human zone.
- **D** Underground splash pad system; pressure activated to conserve water.



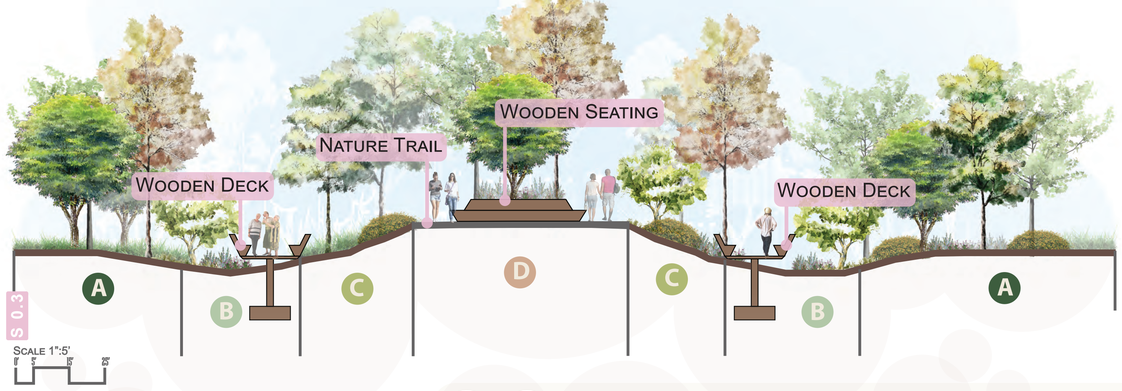
Splash Pad Plaza

Lost Forest

B 0.3 Scale 1":20'

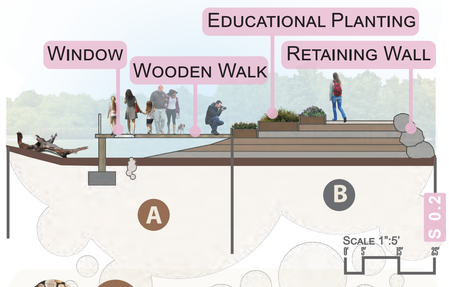
STRUGGLES

The western bumble bee goes through many struggles during a season. Most of the struggles are related to chemicals that cause the hive to suffer from Colony Collapse Disorder. Colony Collapse Disorder is when the hive experiences genocide. Chemicals in herbicides often cause bees to become disoriented and lose the hive after they pollinate a flower. If the bee can not find the hive, they feel lost and confused. In the lost forest guests will experience the bees' struggle along the trail. When guests complete the trail they will be more empathetic to the bees' plight. With the influx of annual visitors, this experience will raise awareness and potentially promote a change in herbicide usage.



- **A** Structural ground coverage such as fescues, and other grasses to support the planting plan design.
- **B** Forest vegetation found in low areas. The dry creek provides elevation change within the Lost Forest.
- **C** Dense shade perennials that require pollination that add an educational aspect to the lost forest along with the nature trails.
- **D** Tall perennial plantings that reach over the back of the wooden seating. Guests interact with the plants and create a connection to the forest.

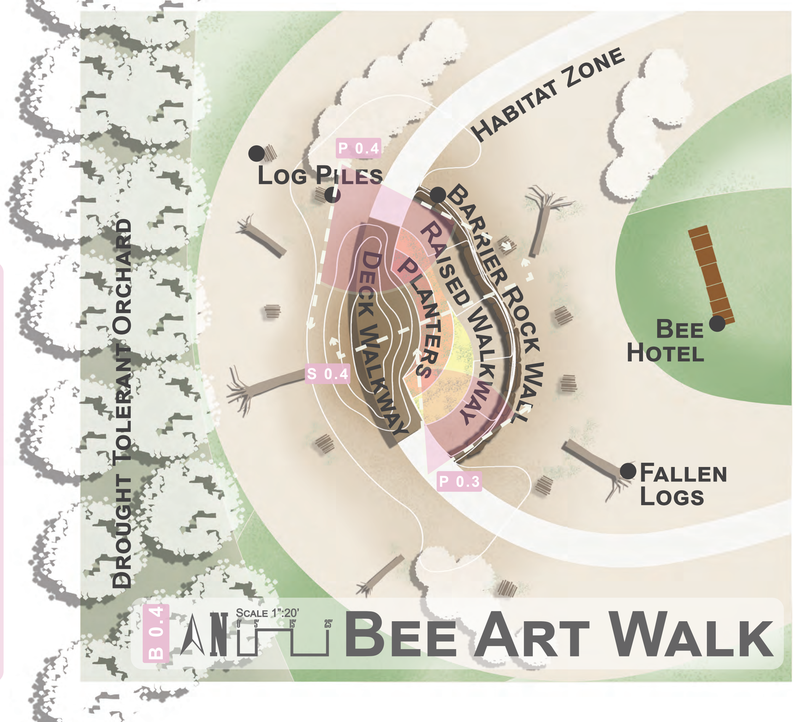
P 0.4



- **A** Bee Habitat: minimal plantings, open soil, and fallen trees.
- **B** Layered structure to raise walkway for a clear view of bee hotels and habitat.

COMMUNITY

Western Bumble Bees' go through many struggles but still work at pollinating until it comes time for hibernation. Their sense of community and drive is inspiring. Along the bee art walk is the best place to view this working harmony. This is located in the habitat zone where the bees nest. By placing different styles of bee hotels near this area, the raised walkways allow for guests to get a better view of the artistic pieces. The hotels are made of materials that reflect the Taylor Rail-yard and re-purpose some historical items of the site.



Bee Art Walk

P 0.1

A Jump in the Splash Pad

A Day at the Bee Hotel

P 0.2

A STROLL IN THE LOST FOREST