EXISTING CONDITIONS

the loss of food and shelter.

need to survive.

and recreation spaces.

The Bear Arroyo was once a natural series of channels

that gracefully and naturally distributed water from the Sandias to the mesa and to the river beyond. The

Arroyo is now mostly a concrete channel that runs

asphalt parking lots, rock mulchs, turf lawns, and

through a highly fragmented urban, commercial and residential landscape comprised of concrete roads,

buildings, and with little green space. This creates a landscape that is difficult for most wildlife species to

move through, resulting in pollinator decline due to

This project proposes creating a network of smaller

accessible to pollinators and allows these essential creatures to find the pollen, nectar, and shelter they

By planting a diversity of native, drought resistant,

overwintering areas, and protecting these areas

habitat that conserve waters, creates a beautiful,

flowering plants, providing undisturbed nesting and

from pesticide use, this project proposes a healthier blooming Eco-Corridor that follows the path of Bear

Arroyo and re-imagines it as a conscientious pollinator

healthier Abuquerque, and provides outdoor learning

patches of habitat along the Bear Arroyo that are

MILE 3: MAKING THE CONNECTION

Creating an Eco-Corridor through Bear Arroyo

The one-mile, mostly residential section east of Wyoming Blvd and west of Eubank Blvd, with Spain Rd to the south, lies in the center of the Bear Arroyo, making it the ideal location to pioneer an eco-corridor for the entire Arroyo.



BEAR ARROYO SUPERBLOOM

Wildlife/pollinator patches are stepping stones between areas of viable habitat, allowing living areas of land for foraging and protection between less welcoming environs. This is especially important for pollinators in an urban setting. By providing healthy green spaces, the gaps can be bridged between disturbed environments that might be hostile to pollinators. Large sculpture is added to draw even more attention to the gardens.

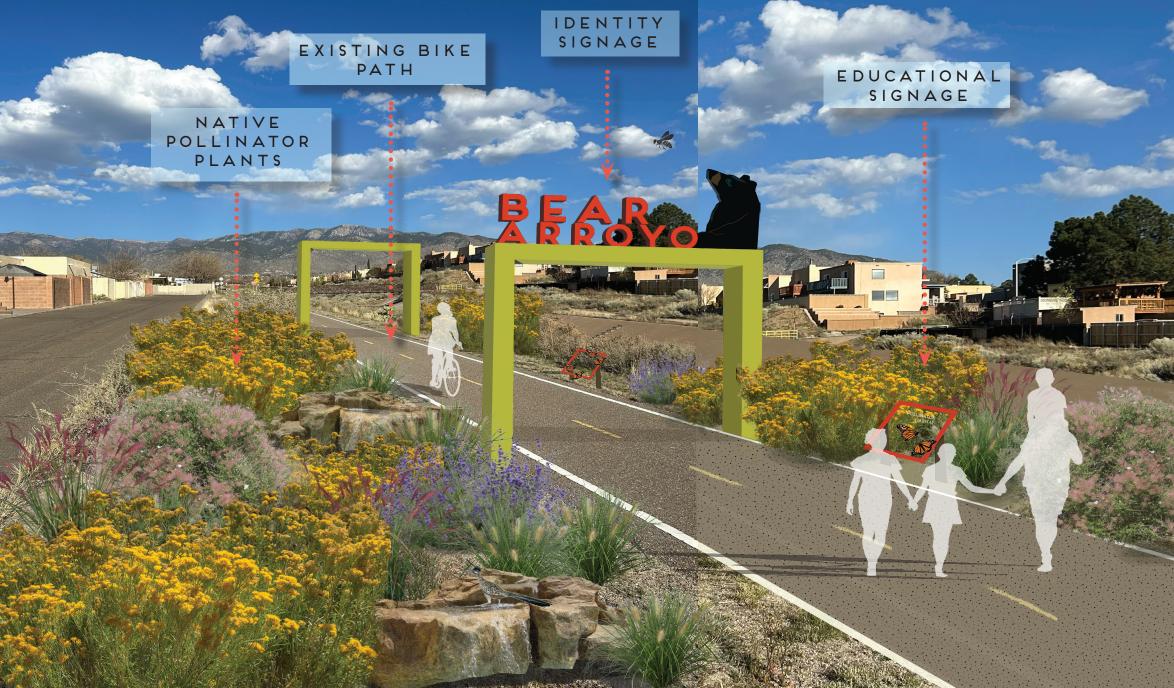


prolific self-seeders make it to the green area of Mile 0 just before the Diversion Channel.



EXTRAORDINARY SELF-SEEDING SUPERSTARS





OUTDOOR ORCHARD CLASSROOM EDUCATIONAL SCULPTURE OSUNA RD

BIKE/WALKING TRAIL WITH EDUCATIONAL SIGNAGE

PROPOSED OSUNA ELEMENTARY POLLINATOR GARDEN

PLANTS FOR POLLINATORS



hummingbirds, but hawkmoths, bumble and carpenter bees are also attracted to it



The bees that milkweed flowers attract are important for pollinating a wide variety of vegetable forage and fruit crops



THE preferred host plant for Monarchs to lay their eggs on and the Genus Asclepias provides the only food that Monarch larvae will eat



Attracts a number of specialist bees, bumble bees, predatory wasps, hummingbirds, and hawk moths



Flowers attract bees and butterflies, the plants shelter wildlife, and the seeds attract birds



Nectar source for butterflies and many kinds of native bees



chosen for their drought tolerance, color, ease, native origin, varying bloom times, varying heights and attractiveness to pollinators

Larval host to the cobweb skipper, common wood nymph, crossline skipper, Dakota skipper, dusted skipper, Indian skipper, Leonard's skipper, Ottoe skipper, and swarthy skipper



Bloom time coincides with the fall migration of the Monarch butterflies

CREATING AN ECO CORRIDOR

CONNECTIVITY · CONTINUITY · COMMUNITY

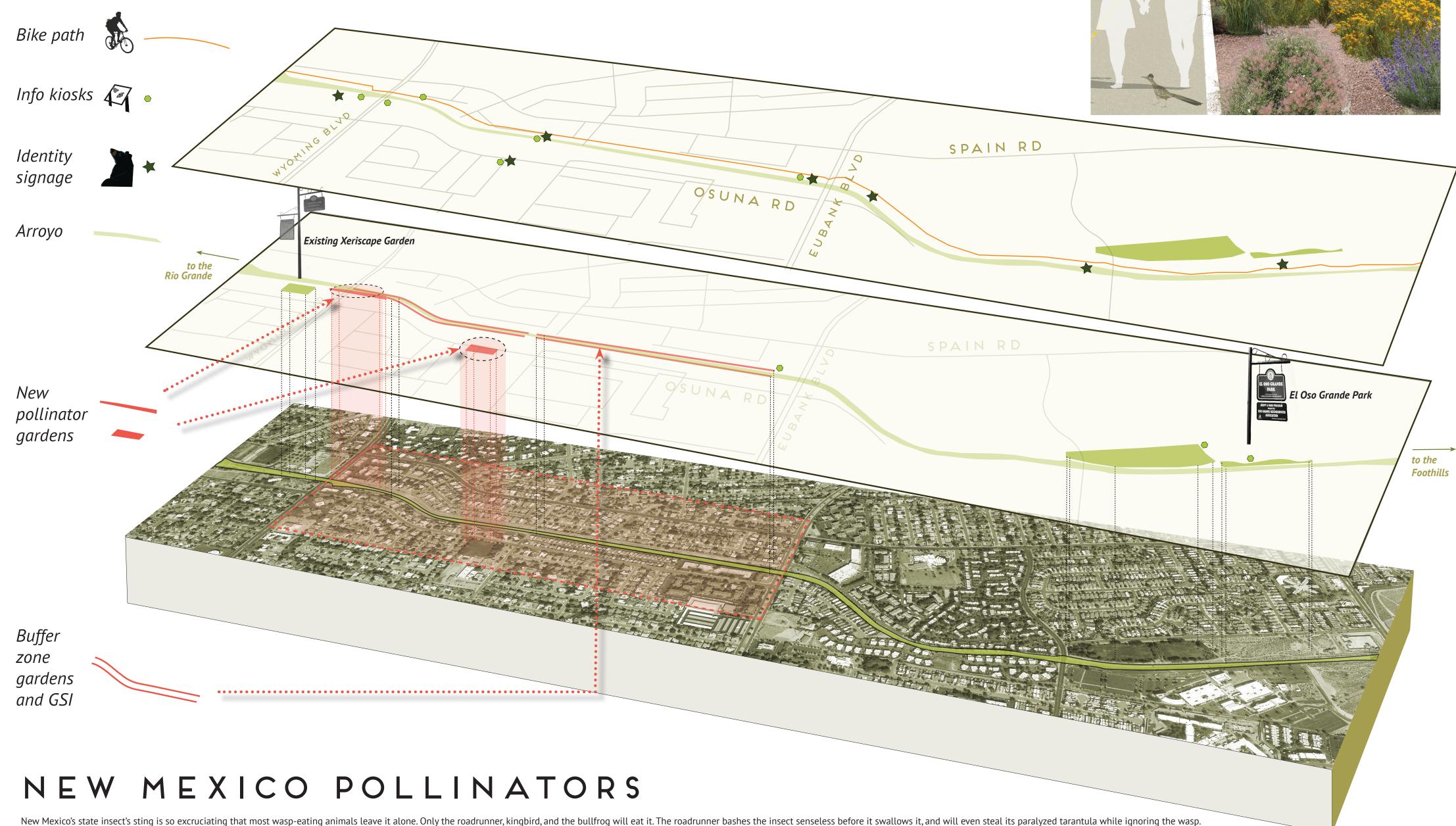
This plan proposes the design and construction of a new Superbloom Pollinator Garden on the hill at Wyoming Blvd, along the Bear Arroyo, and a Pollinator Garden + Orchard at Osuna Elementary School.

These gardens will serve as the center of a Pollinator Patch Eco-Corridor all along Bear Arroyo, from the foothills to the Rio Grande, which will include the existing El Oso Grande Pollinator Garden and a refreshed Xeriscape Garden at the police station.

OTHER GOALS:

- Clean up and improve the biking/walking paths and fill in bare buffer areas with native perennials for wildlife habitat.
- Install consistent informational and identity signage and kiosks along the six-mile corridor. Include information about AMAFCA, arroyo safety, pollinators, native species, and the history of the Bear Arroyo.
- Create public awareness campaign to educate and encourage the neighbors up and down the Bear Arroyo to understand the importance of pollination and native plantings, and to plant their own pollinator patches.















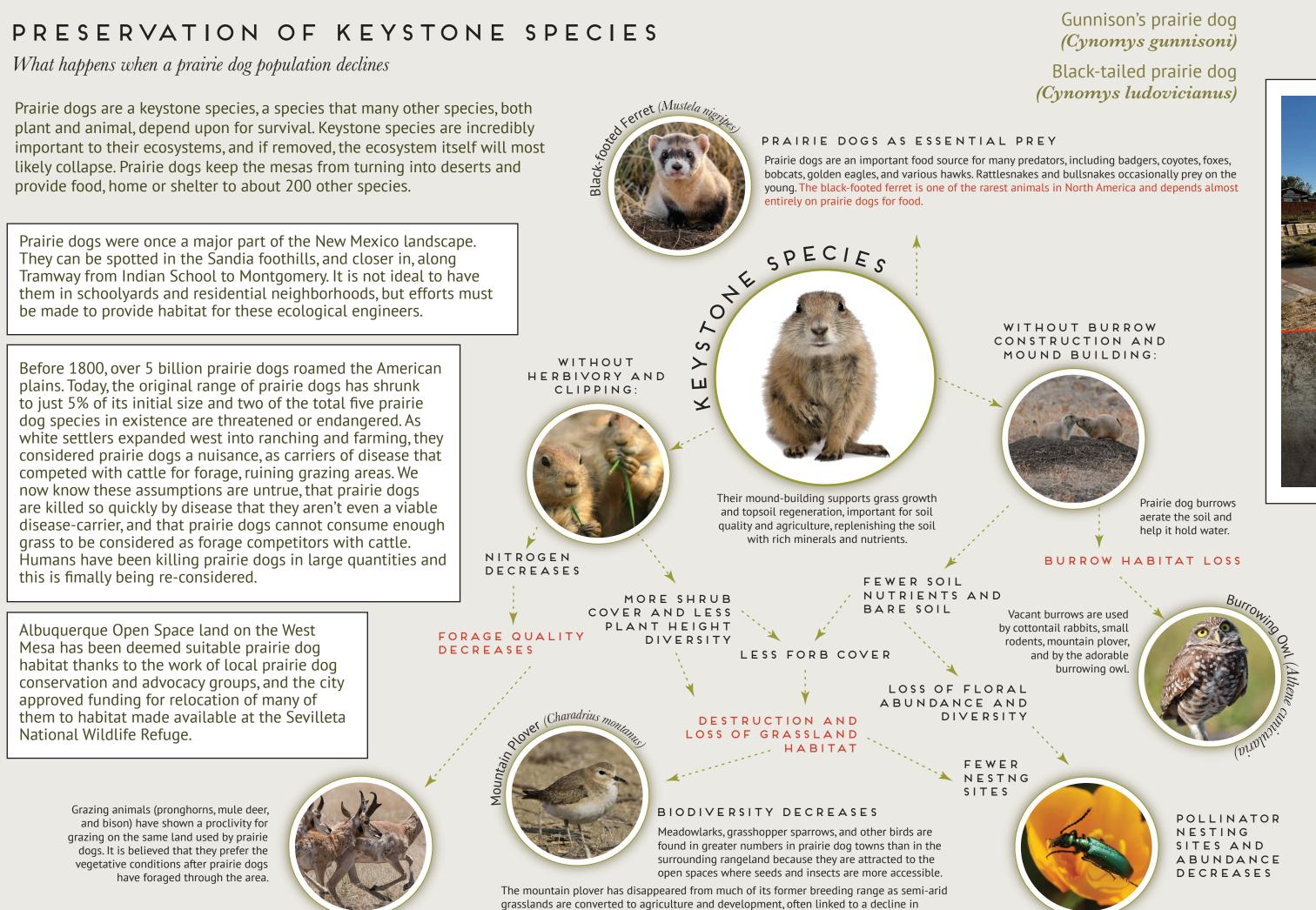






Did you know? New Mexico is home to more bee species than all of the 28 states east of the Mississippi River combined. Source (quote and bee photos): Dr. Olivia Carril & Dr. Paul Polechla (treenm.org)

CONSERVATION



GREEN STORMWATER



Stormwater management using green infrastructure practices involves keeping and using water close to its point of origin. To help filter and capture stormwater runoff without losing it directly to the arroyo channel, this project proposes adding gently sloping depressions on either side of the biking/walking path, planted with dense native vegetation and grasses. Bioswales such as these filter stormwater runoff as it flows through the swale, allowing it to slowly infiltrate into the ground.

This project envisions enhanced planting of native trees, shrubs, forbs and grasses all along the buffer corridors of the arroyo.



"If you kill the prairie dogs who will cry for rain?"
--Navajo Elders