

Valle de Oro Site Plan

Concept 1



WATER QUALITY POND

This ponding area will treat intermittent flows of storms and drainage water through Green Infrastructure which includes coyote willows and bioremediation plants. A sediment collection area will separate sediment from water before it enters the refuge.

MRGCD DRAIN

The existing Barr Drain will be buffered from view and visitor interaction via hedgerows of native vegetation. Two land bridges will provide wildlife and visitors access to Valle de Oro's multiple habitats.

TRAILS

Trails will be distributed throughout the site. The hierarchy of trails will include major paved trails and minor soft-surface paths within the refuge to allow visitors to view wildlife from a variety of perspectives. Pedestrian, bike, and equestrian trails along the site perimeter will provide links between adjacent neighborhoods and the Bosque.

MANAGEMENT UNITS

A collection of diverse wildlife habitats managed to produce conditions ranging from wetland to marshes and mudflats.

AMAFCA WATER QUALITY POND

This wide, shallow pond will collect trash and other stormwater debris before it enters Valle de Oro.

RIPIARIAN EDGE VEGETATION

Coyote Willow, Alkali Sacaton, Cattails, Sedges, Bulrushes
Vegetation along the edges of Management Units will range from dense stands of willow communities to wetland sedges and bulrushes.

AMAFCA SALTGRASS MEADOW

Coyote Willow, Seepwillow, Sunflower, Saltgrass
This dual-use drainage swale and habitat management unit will be an exemplary model of a Rio Grande Saltgrass Meadow.

COTTONWOOD BOSQUE

Cottonwood, Black Willow, NM Olive, Silver Buffaloberry, False Indigo, Coyote Willow, Sunflower, Saltgrass
Dense stands of cottonwood forest with native understory shrubs, groundcovers, and grasses.

OPEN COTTONWOOD WOODLAND

Cottonwood, NM Olive, Fourwing Saltbush, Grama Grass, Saltgrass
Open cottonwood forest with some native understory shrubs, groundcovers, and grasses.

SUCCESSIONAL FOREST

Cottonwood, Oneseed Juniper, Arizona Ash, Arizona Sycamore, etc.
This forest area will recreate the Rio Grande Bosque as it once was, borrowing from a time that the forest included hardwoods like Ash, Sycamore and Juniper, in addition to Cottonwoods.

OUTFLOW CULVERTS

Design yet to be determined

AMAFCA WATER QUALITY STRUCTURE

This baffle device is planned to collect trash and other stormwater debris before it enters Valle de Oro.

LOWLAND MESA HABITAT

Saltbush, Apache Plume, Seepwillow, Sunflower, Sand Dropseed, Ricegrass, Black Grama Grass, Blue Grama Grass
Habitats similar to those surrounding the Rio Grande Valley Bosque will create a transition from the upper Chihuahuan Desert landscape to the wetter habitats of Valle de Oro.

VISITOR CENTER

The Visitor Center for Valle de Oro could include community gardens, such as a Rio Grande Heritage Garden, a Pollinator Garden, Farmland Remnants, and a Camino Real Historic Site. The parking lots will be hard- and soft-surfaced, with water harvesting to irrigate the surrounding landscape. Treatment Wetlands could be utilized to treat sewage as a demonstration and to add habitat value. An area will be set aside for volunteers and short term stays at the refuge.

GENERAL LEGEND

Property Lines, Easements & Right-of-Way

- Refuge Property Line
- MRGCD & Bernalillo County Easements / ROW

Trails & Pathways

- Perimeter Trail
- 2nd Street Trail
- El Camino Real Trail
- Bosque Trail
- Refuge Main Trail
- Minor Interior Trails (Soft-Surface)
- Major Interior Trails (Hard-Surface)
- Bridges / Boardwalks/Crossings

Water Delivery Systems & Acequias

- Drains and acequias

General

- Controlled Maintenance Access Gates
- Site Buildings
- Treehouse Observation Point
- Highpoint Observation Point



0 200' 400'
Scale: 1" = 200'

