



Laguna Creek Restoration Project

Hacienda de las Flores Pavilion Building





Undersized Culvert

In 2014, ten alternatives to eliminate the flooding

1. No build (i.e., do nothing)
2. Line inside of existing culvert with smooth lining
3. & 4. Configurations of parallel 9-ft reinforced concrete pipe culvert
5. Replace existing culvert with larger 14-ft by 12-ft culvert
6. Install upstream detention basin
7. Raise Pavilion floor elevation above 100-year flood elevation
8. Relocate entire Pavilion structure outside 100-year floodplain
9. Construct flood wall around Pavilion
10. Daylight and restore Laguna Creek to contain 100-year flow

Daylight and Restore the Natural Channel



Removing the existing 8-foot diameter culvert adjacent to the Pavilion building



Constructing a natural channel with habitat for endangered species



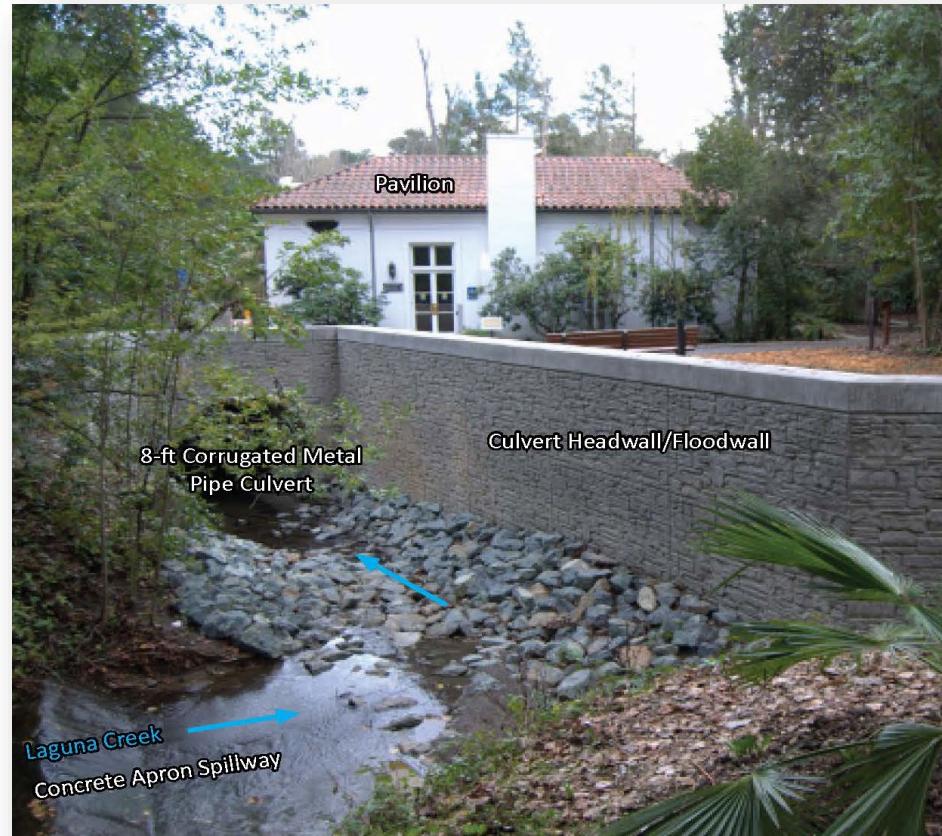
Relocating a sanitary sewer line



Constructing a vehicular bridge over the creek



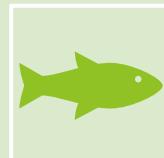
Installing public improvements such as the trail



Grant Funding



Proposition 13 River Parkways
Grant Program (CNRA)



Measure WW Urban Creeks Grant
Program (EBRPD)



Hazard Mitigation Grant Program
(FEMA)

Existing ADA Parking



ORNAMENTAL PLANTING BUFFER, NATIVES CREEKSIDE

RIPARIAN WOODLAND PLANTING, NATIVE OAKS

NEW 5' WIDE MINIMUM TRAIL - MULCH OR D.G.

ASPHALT PAVING - VEHICULAR CIRCULATION

PAVILION CIRCULATION

TRAIL CIRCULATION

Accessible Parking



- ▶ 35' Bridge
- ▶ Parking Moves
- ▶ Trail Connects

ORNAMENTAL PLANTING BUFFER, NATIVES CREEKSIDE
RIPARIAN WOODLAND PLANTING, NATIVE OAKS

NEW 5' WIDE MINIMUM TRAIL - MULCH OR D.G.
ASPHALT PAVING - VEHICULAR CIRCULATION

◀ → PAVILION CIRCULATION
◀ → TRAIL CIRCULATION

Accessible Parking



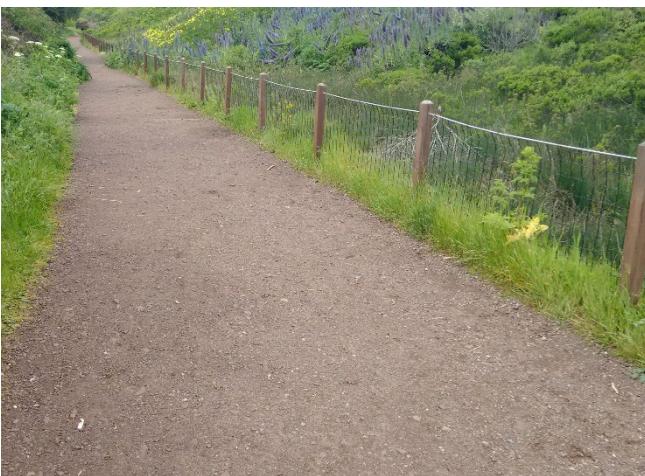
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GRAPHIC SCALE
20 0 20 40
PAVILION CIRCULATION
TRAIL CIRCULATION

- ▶ 35' Bridge
- ▶ Parking Moves
- ▶ Trail Connects

Trail



Guardrail Materials



Park and Recreation Commission

March 15

March 24

Town Council





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[https://www.moraga.ca.us/465/
Laguna-Creek-Restoration-Project](https://www.moraga.ca.us/465/Laguna-Creek-Restoration-Project)