

Advancing Native Hydrology

A collaboration of art, design & science

Daniel McCormick & Mary O'Brien
Watershed Sculpture

Remedial art: A Natural Intervention

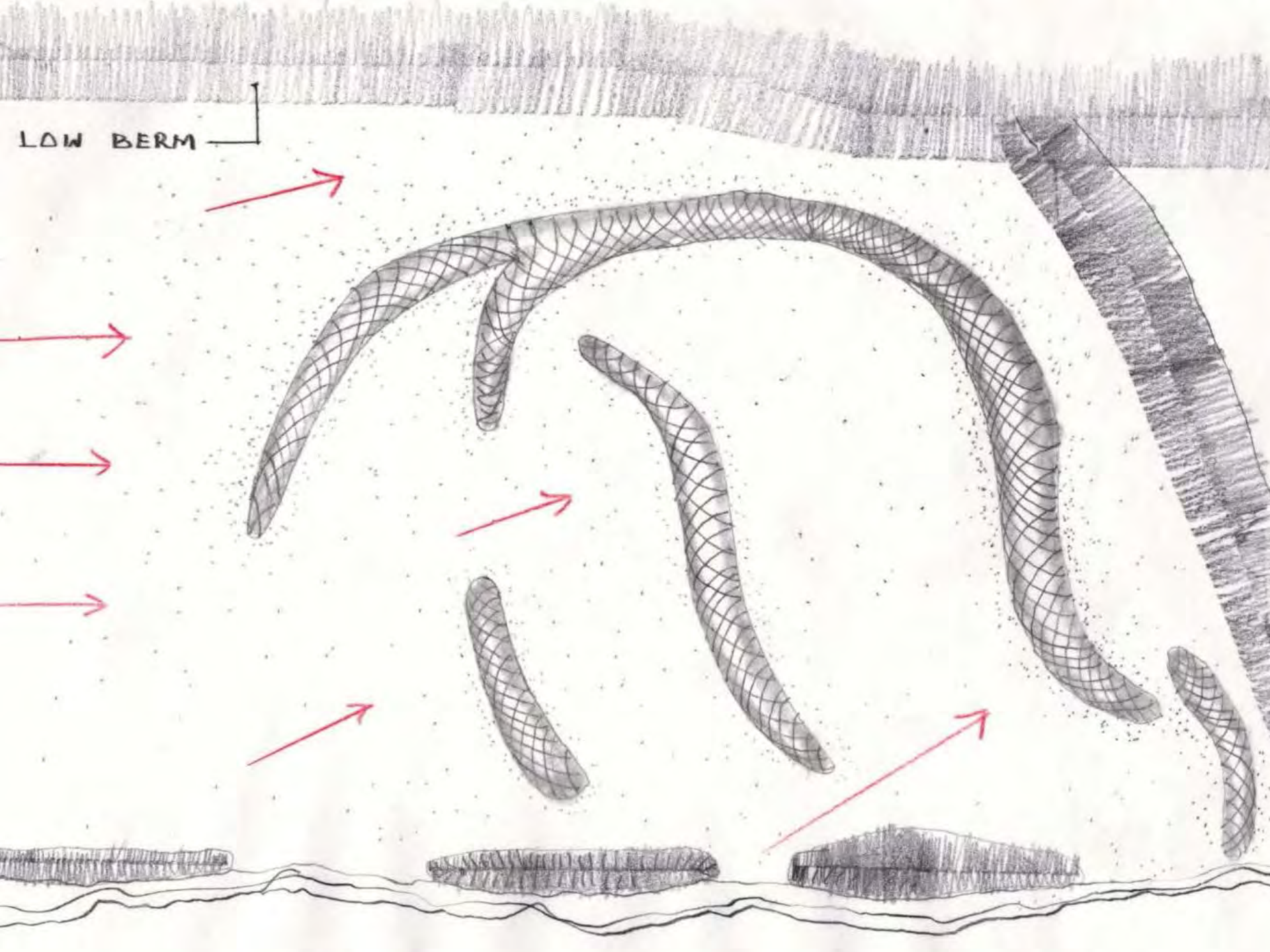


Flood Plain Mitigation

Carson River, East Branch



LOW BERM



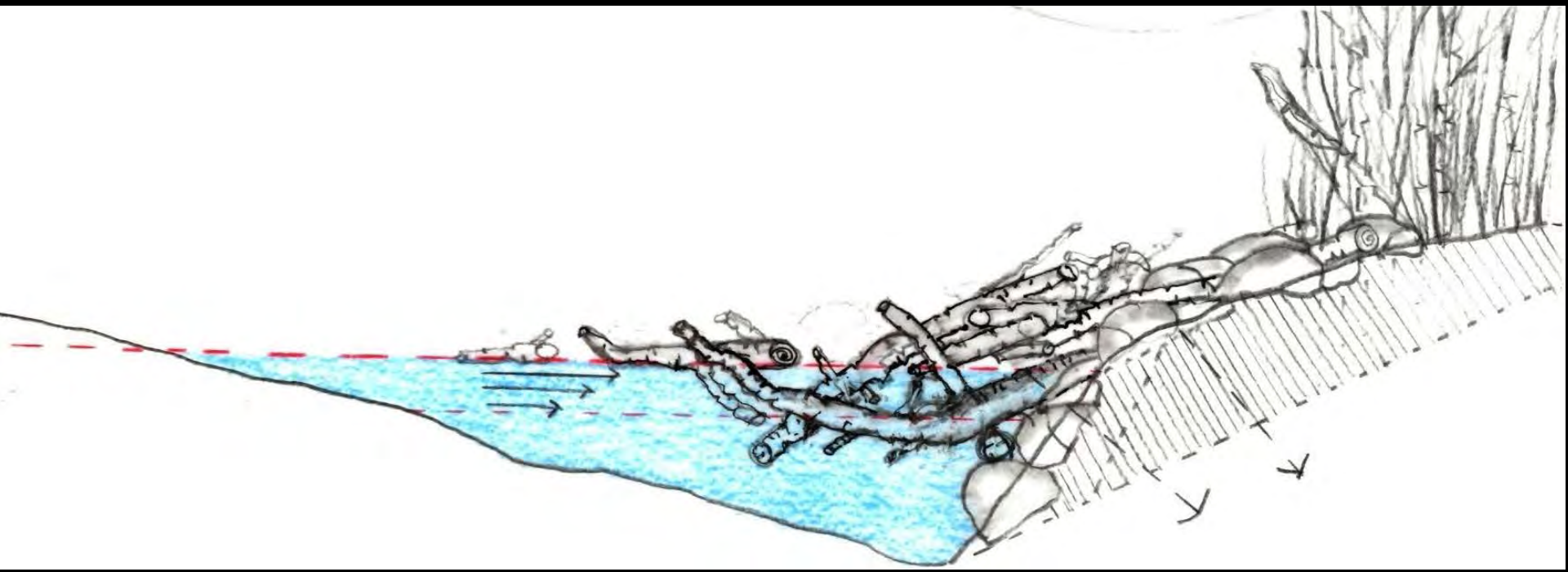


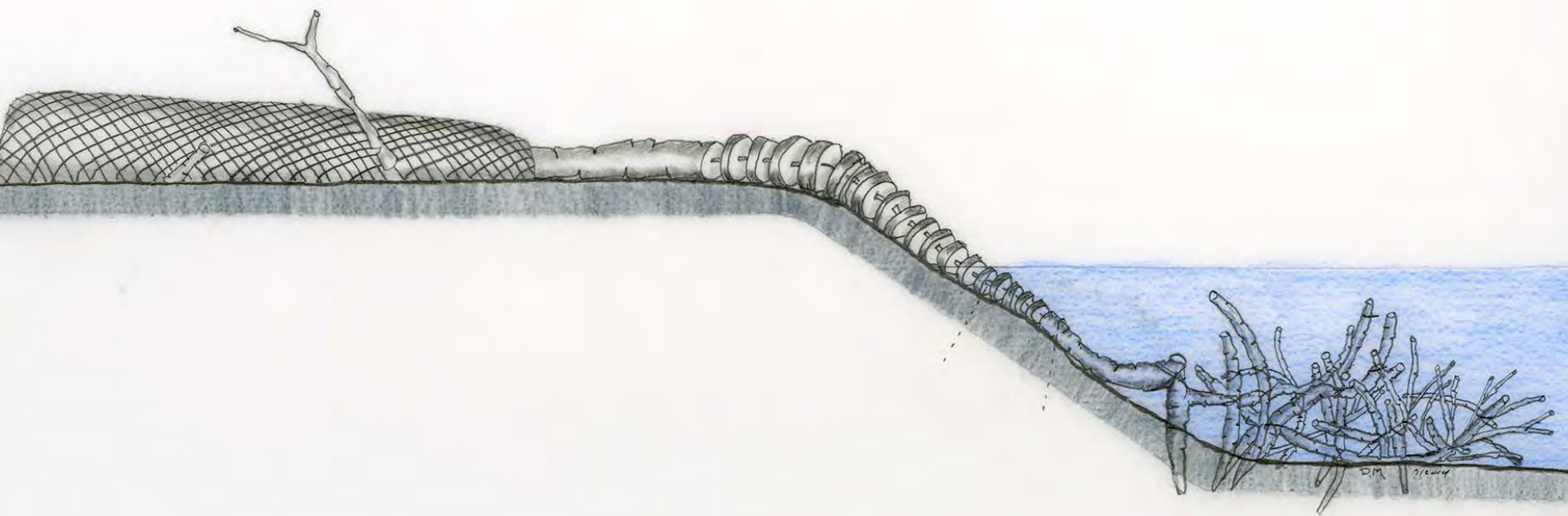


Lower Truckee River

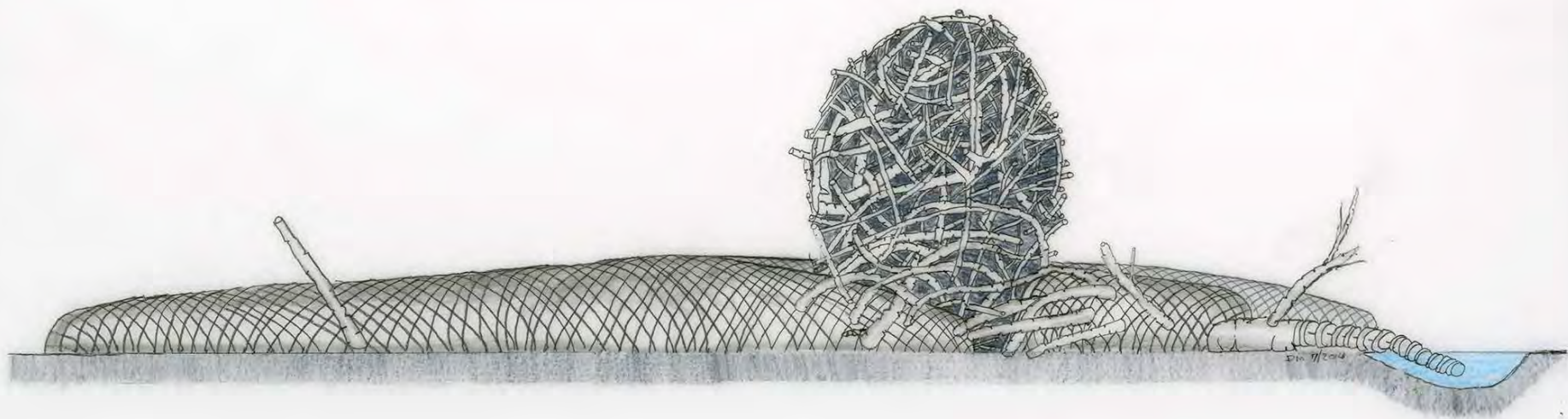














Bird Habitat Sculpture

Crib wall and
willow fascine

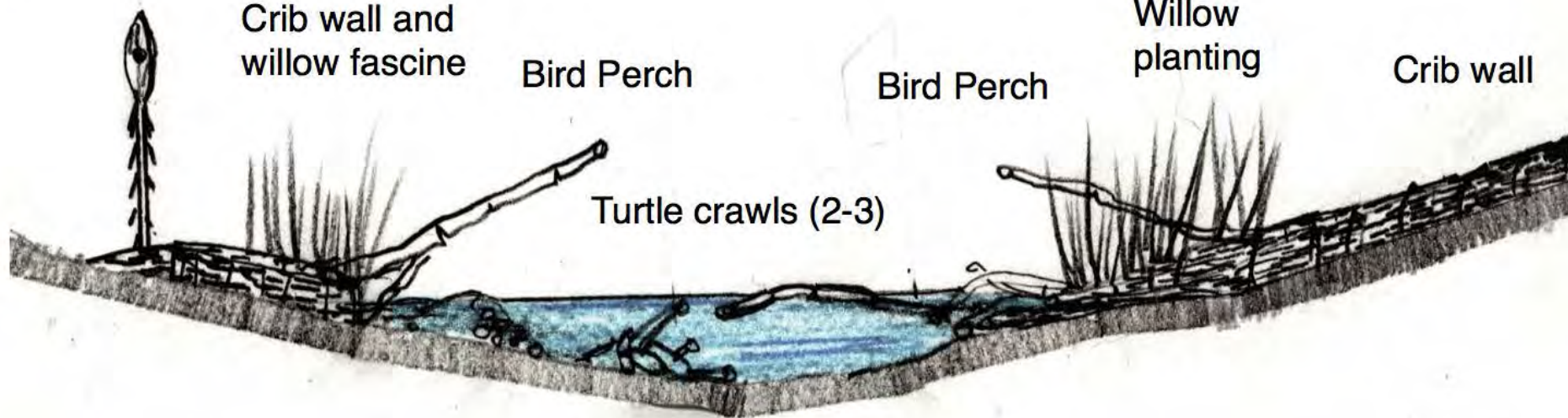
Bird Perch

Bird Perch

New
Willow
planting

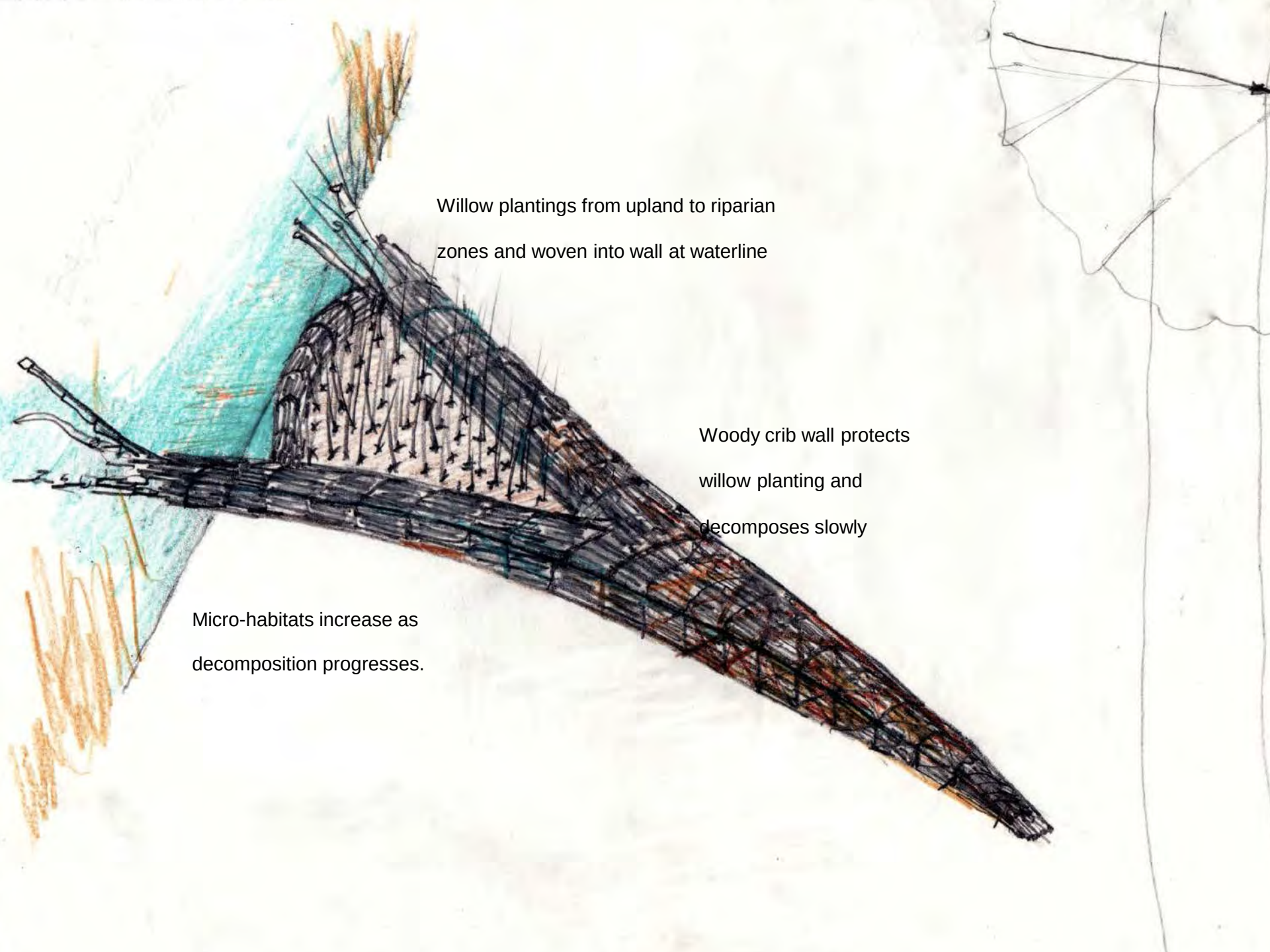
Crib wall

Turtle crawls (2-3)



Section View





Willow plantings from upland to riparian
zones and woven into wall at waterline

Woody crib wall protects
willow planting and
decomposes slowly

Micro-habitats increase as
decomposition progresses.









Arroyo Seco, Pasadena, CA



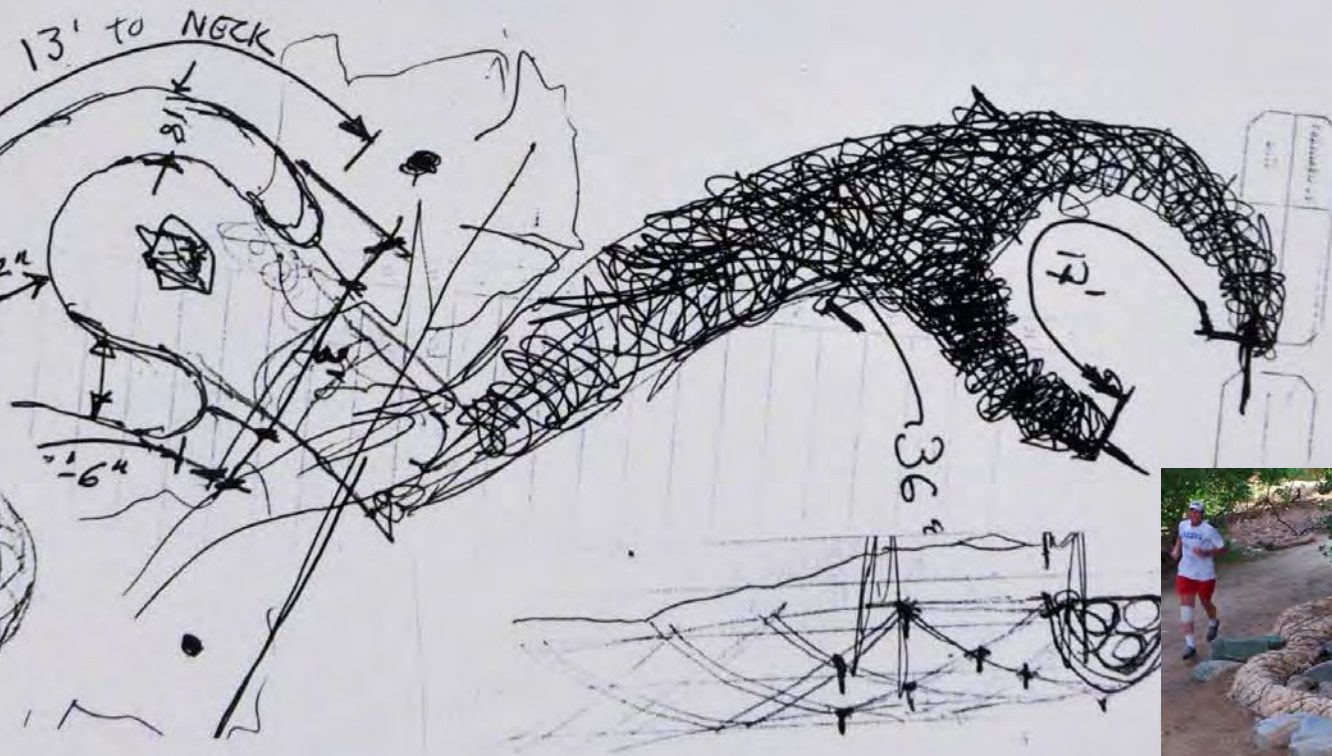


THE CITY OF PASADENA





10 years later

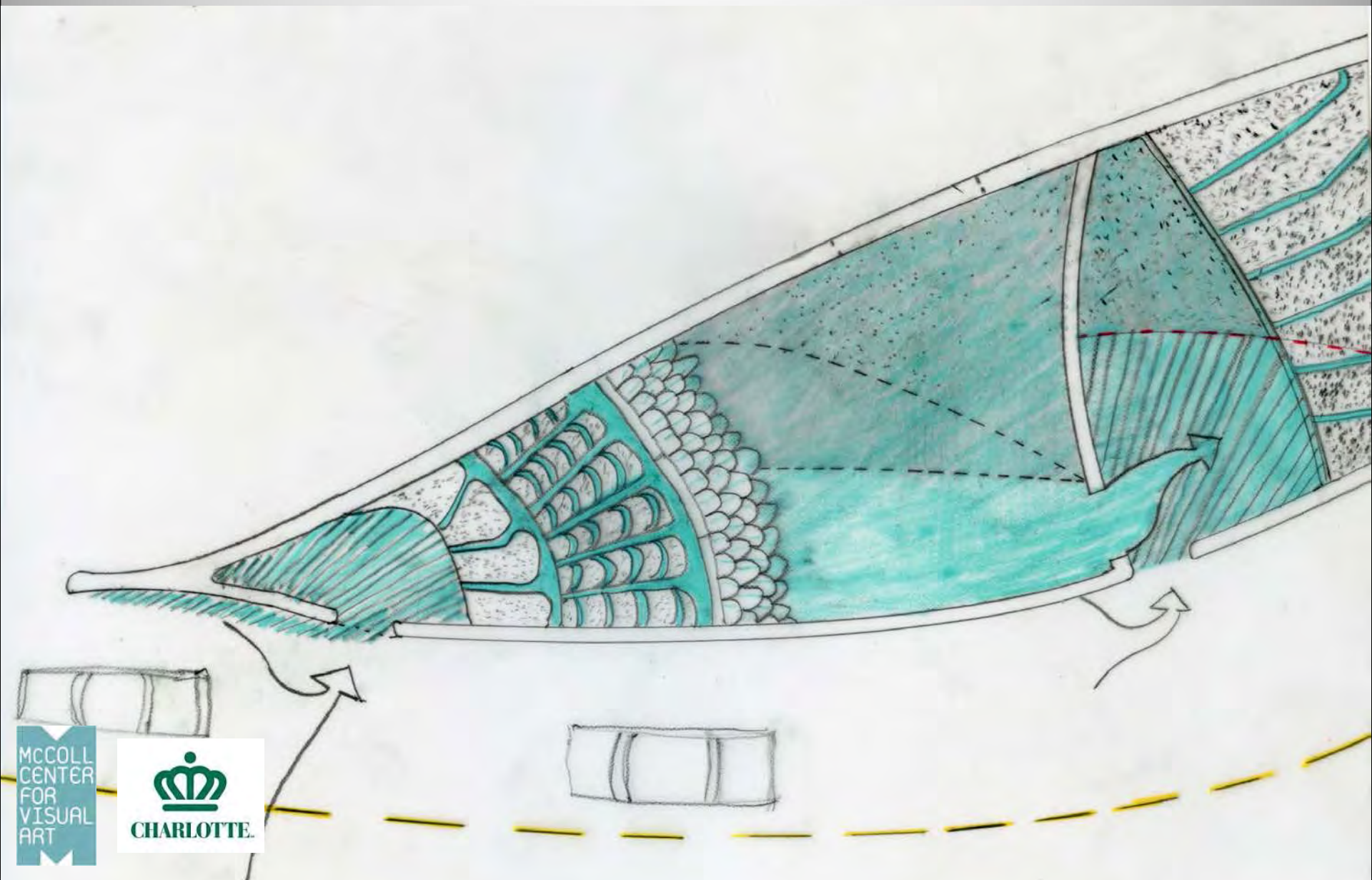


THE CITY OF PASADENA



Urban Riparian Zones

Charlotte, North Carolina



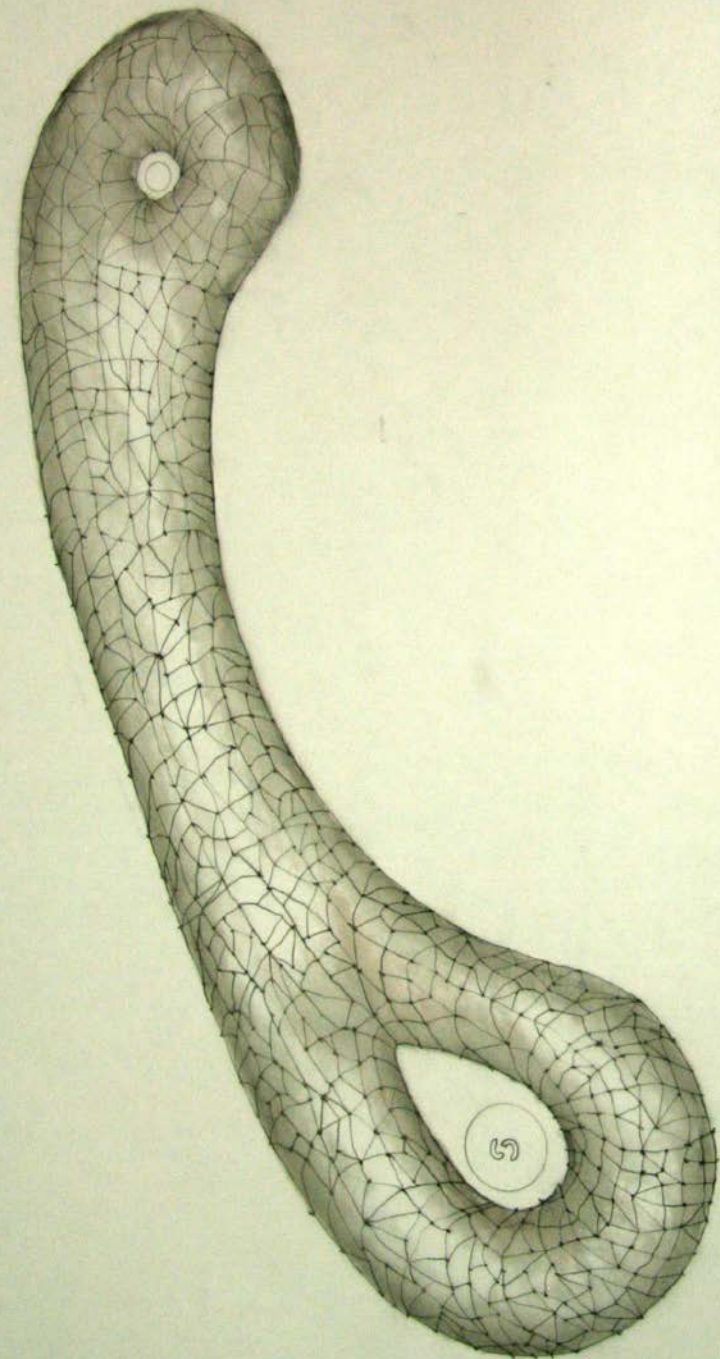
Remedial Art: Connecting Urban Open Spaces

- Greenways/Blueways
- Parks
- Median Strips
- Parking Lots



Charlotte, North Carolina



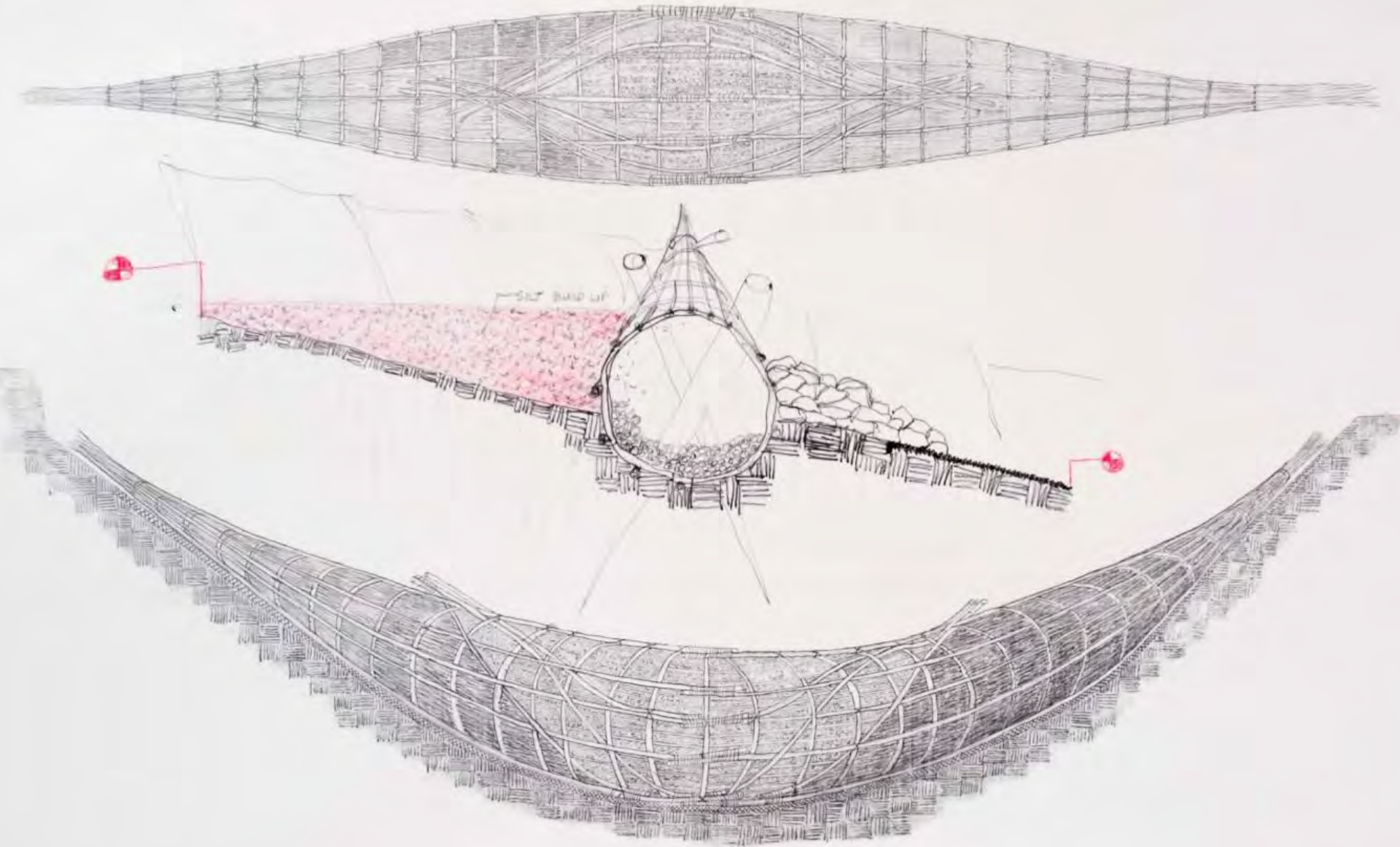






Rural Watersheds

GGNRA, West Marin

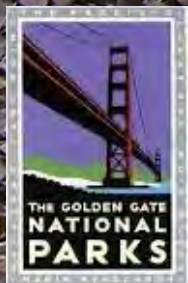










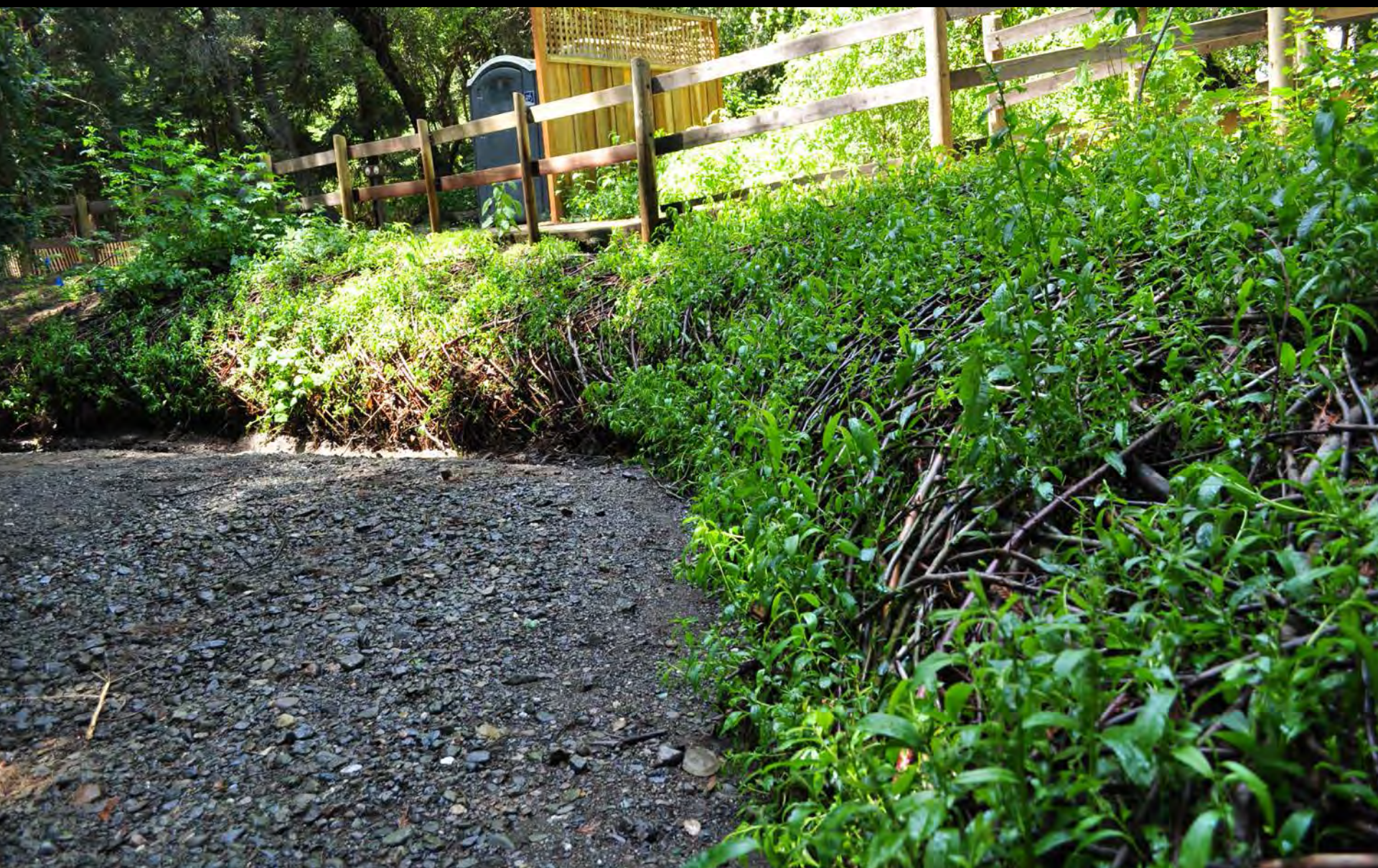


Sub-Urban Streams

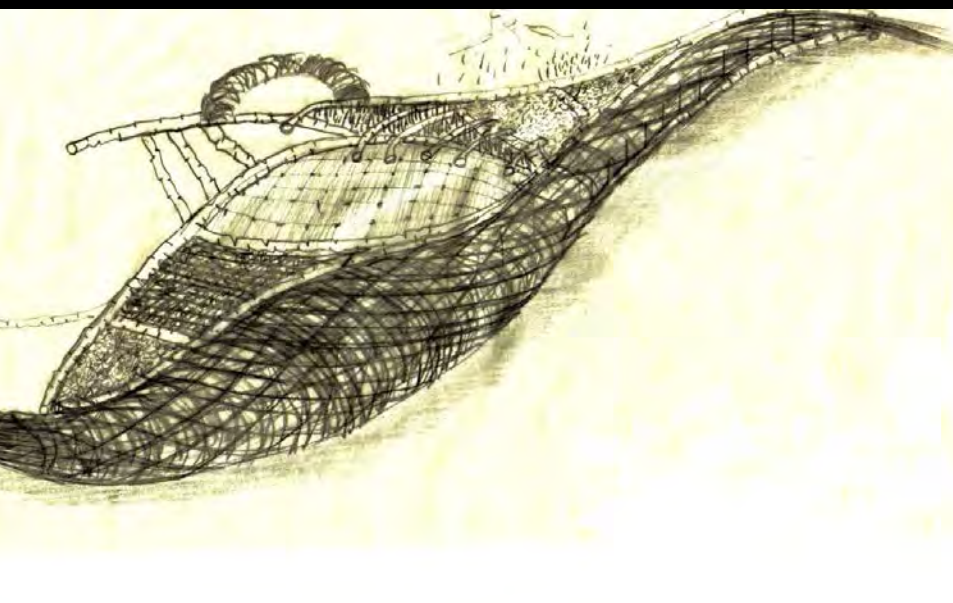
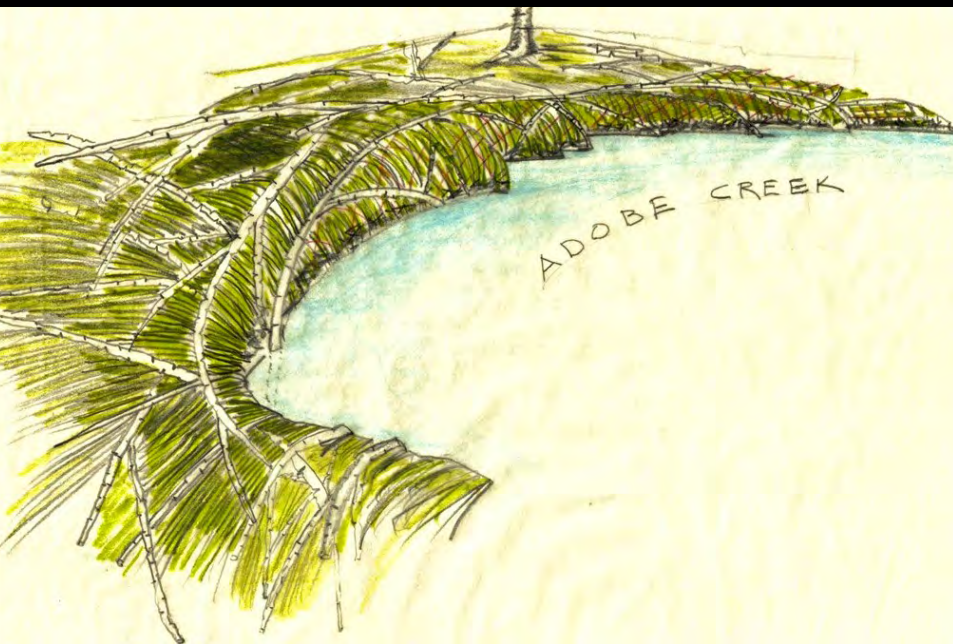
Adobe Creek, Los Altos, CA











Sir Francis Drake
HIGH SCHOOL



San
Domineco
School



Riparian Buffers



**STANDARD
MAPPING**
Aerial Photo Map of
**Venice / Buras
Wagonwheel**
Post Katrina

Legend
Water
Land
Highway
Railroad
Canal
Bayou
Marsh
Swamp
Forest
Urban
Suburban
Rural
Waterway
Bayou
Swamp
Marsh
Forest
Urban
Suburban
Rural







Installed Feb, 2013



March, 2013



October, 2013











