

THE WEST UNIVERSITY WASH REVIVAL

A HOLISTIC LANDSCAPE REDESIGN FOR WATER MANAGEMENT ALONG JAMES E. ROGERS WAY

SOCIAL ACTIVATION

- **Permeable pavement** replaces asphalt for the handicap parking extension, pedestrian sidewalks, and bikeway.
- A Park Avenue **Cat-Wheels Bike Share Station** builds onto the campus's existing free bike-loan infrastructure and provides a transportation option at a key university gateway.
- The previously congested vehicular intersection onsite is converted into a **safe, legible, bicycle roundabout**.
- A diversity of functional social areas are designed to activate the landscape: a **botano-voltaic ramada** work station, **turf landscape rooms**, **social seating** along the bikeway, and **naturalized discoverable spaces**.
- Information about significant vegetation, integrated Green Infrastructure design features, and site history is shared through **interpretive sculptures** and **educational signs**.

WATER MANAGEMENT

- A University of Arizona **Top-10 Flooding Problem Area** is **solved** through holistic Green Infrastructure design.
- The historic **West University Wash** is **daylighted** and interpreted as a series of naturalized xero-riparian basins.
- A network of above- and below-ground **cisterns store 2.4 acre-feet of water**, including rainwater harvested from the 7 onsite buildings.
- The **100-year floodplain is reduced by 75%**.

ECOLOGICAL RESILIENCE

- **Turf is reduced by 70%** and replaced with **biodiverse landscaping** suitable to a desert environment.
- Four hydrozones are implemented, helping **reduce irrigation use by 58%**.
- Significant arboretum species and historic groves are **adapted to climate change** with concentrated irrigation resources and infiltration rate improvements.

MASTER PLAN

A dynamic Green Infrastructure design that integrates social, environmental, and economic benefits to the University of Arizona.



PERSPECTIVES

ACTIVE + PASSIVE LANDSCAPE ROOMS

SOCIAL SEATING

PERMEABLE SIDEWALK + BIKEWAY

HISTORIC OLIVE ALLEE

DISCOVERABLE NATURAL SPACES

DAYLIGHTED WASH — SERIES OF XERO-RIPARIAN BASINS

BICYCLE ROUNDABOUT

FIRST-FLUSH SYSTEM

EDUCATIONAL FEATURES

CISTERN

P1

P2

