

So Az Case Study Format: 20/30 Park

A. Project Specifications

1. Project Summary:
 - a. Location: [Adjacent to the 20/30 Club in Highland Vista Neighborhood, 5300 E Seventh St. Tucson, Arizona](#)
 - b. Client: [City of Tucson Parks and Recreation](#)
 - c. Design Firm: [Wheat Scharf Associates](#)
 - d. General Contractor: [M. Anderson Construction](#)
 - e. Project Contact: [Joe O'Neill \[joe.o'neill@tucsonaz.gov\]\(mailto:joe.o'neill@tucsonaz.gov\)](#) (837-8035) and [Midge Irwin \(837-8168\)](#) and ([City of Tucson Parks and Recreation](#))
2. Project Description (what was built): [A former City of Tucson Department of Transportation storage facility was made into a park with a walking trail and vegetation grown by passive water harvesting. The project was a riparian restoration for an area in the south portion of 20/30 Park bordered by Arcadia Wash to the south and an existing walking path to the north. The design included a system of passive water harvesting basins and plantings to mitigate issues with storm water flow in the area.](#)
3. Project Type (e.g. consider ADEQ list of project types, New or Retrofit): [Recreation Area - Retrofit](#)
 - a. Design Features (BMPs, Site Design considerations etc):
 - ['Boomerang Berms' for water harvesting](#)
 - [Micro-catchment basins for catching water in shallow depressions](#)
 - [Infiltration Basins with Check Dams, for catching off-site runoff and infiltrating it](#)
 - [Preservation of existing vegetation](#)
 - [Walking path](#)
 - [Educational display](#)
 - [Native plant pallet.](#)
4. What are project goals – stakeholder preferences and/or regulatory goals?
 - a. This project was designed to meet the following regulatory requirements or mandates:
 - [Community Initiative, no regulatory requirement.](#)
 - b. This project was designed to meet the following stakeholder preferences:
 - [Develop a plan for a passive recreation park using water harvesting techniques to mitigate storm water flow in a residential neighborhood.](#)
 - [Take a problematic stormwater drainage situation and turn it into an opportunity for aesthetic improvement and interest](#)
 - [Natural Area Enhancement](#)
 - [Education](#)
 - [Preservation of natural corridors/habitat restoration](#)
 - [Provides Recreation](#)

- Eliminate ponding water and associated mosquito habitat
- Reduce Pollutants flowing into washes
- Reduce erosion, runoff and sedimentation

B. Cost & Jobs Analysis

1. Estimated cost
2. Actual cost: **\$64,797**
 Job hours devoted to project:
 Planning & Design: \$9,335.00 Concept and Construction Documents
 Construction
 Annual Maintenance
3. LID/GI Costs Compared to Conventional?
NA

C. Performance Measures

The project was fully successful reviewing the following measures:

- 1.) Constructability: The project was constructed according to specifications, though the contractor had to be told to construct to capture rather than drain water.
- 2.) Stakeholder Expectations Met: The residents of the Highland Vista Neighborhood are the primary stakeholders on this project, and have embraced it. This area is used more by the neighborhood since construction, for walking and running. The greater infiltration has reduced the amount of ponded water, thus reducing the mosquito habitat.
- 3.) Maintenance Entity Identified: The City of Tucson Parks and Recreation department maintains the park. In practice, this has meant that they spray to reduce the amount of Bermuda Grass.

D. Project Recognition

Compare vs Project Success Criteria(01-30-12 Spreadsheet) – Project Recognition

E. Lessons Learned:

1. What aspects of the project are you proud of? **Increased wildlife habitat; community loves it; lots of water harvesting design elements in a small space.**
2. What would you do differently? **Add more seating under shade trees; include a variety of seating opportunities (in shady spots, open areas, elevated, quiet for bird watching).**
3. Any other noteworthy aspects of the project? **Signage; artistic use of rock (white rock reflects path of water and brown rock are the check dams); neighborhood kids enjoy hiking along the different rock paths.**

F. Additional Information

1. Images









