



City of Tucson
Cheri Odeski, CPPB
Senior Contract Officer
City Hall
255 W Alameda
Tucson, AZ 85726-7210

Dear Cheri:

The Tucson Botanical Gardens is requesting \$28,573.22 to construct and install new water harvesting features at the Gardens.

As part of Phase three of a five phase capital project, the Gardens is undertaking the creation of a pedestrian pathway in the center of the Gardens parking lot, which includes water harvesting features.

The central parking island is a 16 foot wide garden with a pedestrian path meandering down the center. The width allows the opportunity to plant large trees for shade as well as a variety of shrubs to help screen the cars from each side. The grading is designed to take the runoff from the paved surface over a sunken concrete curb into the planting area which is slightly depressed below the level of the path and curbs on each side of the island. This is one aspect of passive water harvesting. The other example is the location of three underground 'French Drain' cisterns. When the runoff exceeds the ability of the surface swales to absorb water, the water will flow 'downstream' to 4'x4' rock filled openings to the French drains located under the three bridges along the path. Each of these French Drain cisterns is filled with graded rock from 3-5" on the bottom to 3/4-1 1/2" at the top. The volume of each cistern is 1250 cubic feet. As the water enters the cisterns it will absorb into the soil on either side of the cisterns to water The trees and shrubs on each side. There will be a total of 300 square feet of soil exposed to the sides of the cisterns from which the roots can get water.

Passive Water Harvesting Budget

3 scupper bridges	\$ 5,113.00
Landscape architectural	
Site inspection and review	\$ 1,500.00
Demo	\$ 4,698.00
Earthwork	\$ 4,180.00
Drainage	\$ 5,890.00
Patch regrade	<u>\$ 3,692.00</u>
Subtotal	\$25,073.00
OH/Tax	<u>\$ 3,510.22</u>
Total	<u>\$28,583.22</u>

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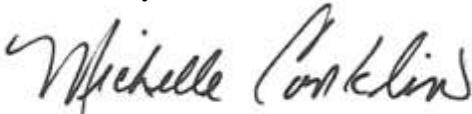
Construction begins this week. Our construction manager (Lloyd Construction) has put this project out for bids. The water harvesting portion of the project was not included in the bidding process, but was pulled out of the overall budget and estimated as an add-on (above).

Once completed, this new feature will be open to the public seven days a week for viewing. In addition, the Gardens will be including this new garden on our public water harvesting and xeriscaping signature class tours.

I will be out of town from September 2nd through the 17th. If you have any questions, please feel free to call me, or while I'm away you can contact our Board President and Facility Chair, Spencer Smith at DeConcini McDonald Yetwin & Lacy, P.C. (520) 322-5000.

Thank you so much for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Michelle Conklin". The signature is written in a cursive, flowing style.

Michelle Conklin
Executive Director
Tucson Botanical Gardens
520-326-9686 ext. 15