



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: FEBRUARY 19, 2016

ITEM NO: 7

File ID – 16-0488 – C

SUBJECT: CONSTRUCTION OF THE TREE IRRIGATION SYSTEM PROJECT AT THE FORMER RIVERSIDE GOLF CLUB BID NO RPU368– WORK ORDER NO. 1610216 FOR \$240,000

ISSUES:

The issues for Board of Public Utilities consideration are: 1) approval of Work Order No. 1610216; and 2) approval of a contract award for the Tree Irrigation System Project at the former Riverside Golf Club, Bid No. RPU-7368.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve a capital expenditure of \$240,000 for Work Order No. 1610216, which includes all design, construction, contract administration, inspections and construction contingency costs for the Tree Irrigation System Project at the former Riverside Golf Club, Bid No. RPU-7368; and
2. Award a contract for the construction of the Tree Irrigation System Project at the former Riverside Golf Club – Bid No. RPU-7368 to the lowest responsive bidder, Inland Empire Landscape, Inc., of San Bernardino, California in the amount of \$192,562.

BACKGROUND:

The former Riverside Golf Club was constructed in 1948 on property owned by the Riverside Public Utilities Department (RPU) as recreational golf venue within the City of Riverside. In 2009, the golf club operator filed for bankruptcy which led to the closure of the golf course. At that time, maintenance responsibilities for the former golf club reverted to RPU, which covered approximately 120 acres of grass, trees and other miscellaneous facilities. Due to being irrigated alongside of grass, the trees on the golf course developed shallow root systems. Soon after the golf course closed, the irrigation system and its source well were vandalized rendering the system inoperable.

During this time, the City was considering various options for the former golf course. In addition, the old well and irrigation system required costly repairs. For these reasons, it was decided not to restore irrigation service at that time.

With the extended drought and bark beetle infestations, several trees began to get stressed and die. In 2014, there were 641 trees in the golf course. Since that time, 243 were lost due to water stress and bark beetles. With no functional irrigation system, the trees needed to be watered by hand. Beginning in 2015, several contracts were issued, at an approximate cost of \$90,000, to provide manual watering of the trees and treatment for the bark beetle infestations.

Effective watering utilizing a drip irrigation system would help encourage a deeper root system in the trees, significantly improving their health and ability to resist future drought stress.

Construction plans for a proposed drip system have been designed to provide water uniformly within the canopy of each tree in the root zone, and includes an automatic controller capable to isolating the drip system during rainy days and run the system during water demand cycles. Water will be provided by the North Orange well field.

Bids were opened on January 21, 2016. The lowest responsive bid was submitted by Inland Empire Landscape, Inc. Staff has reviewed all provided documentation and has determined that Inland Empire Landscape, Inc. has met all the requirements of the specifications.

The five bids received are summarized in the table below:

	<u>COMPANY</u>	<u>CITY LOCATION</u>	<u>BID TOTAL</u>
1	Inland Empire Landscape, Inc.	San Bernardino, CA	\$192,562
2	Clean Cut Landscape	Clovis, CA	\$196,330
3	STL Landscape, Inc.	Los Angeles, CA	\$230,000
4	Mariposa Landscapes, Inc.	Irwindale, CA	\$279,698
5	Landscape Support Services	Sherman Oaks, CA	\$395,523

> Engineer's Construction Cost Estimate: \$250,000

The project breakdown is as follows:

Project Breakdown:	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	Contractor
Anticipated Start Date:	Late March 2016
Anticipated Duration:	Construction: 3 months Drip Irrigation Maintenance: 3 months
Coordination Required With:	<ul style="list-style-type: none"> ▪ RPU Field Forces ▪ Parks
Reimbursements:	None

The Purchasing Services Manager concurs with the recommendations above.

FISCAL IMPACT:

The total capital expenditure for Work Order No. 1610216 is estimated to be \$240,000, as summarized in the following table:

Description	Cost	Percent of Total
Design	\$8,438	3.5%
Construction	\$192,562	80.2%
Construction Contingencies	\$19,000	7.9%
Construction Management and Inspection	\$20,000	8.4%
Work Order Total	\$240,000	100.0%

FISCAL IMPACT:

Sufficient funds are available in the Public Utilities' Water Facility Rehab Account No. 6230000-470803. The cost recovery for the project is estimated at less than two and a half years assuming the trees are watered twice a week.

Prepared by:	Todd L. Jorgenson, Public Utilities Assistant General Manager/Water
Approved by:	Girish Balachandran, Public Utilities General Manager
Approved by:	John A. Russo, City Manager
Approved as to form:	Gary G. Geuss, City Attorney
Certifies availability of funds:	Laura Chavez-Nomura, Public Utilities General Manager/Finance
Attachment:	Project Site Map