

# BOARD OF SUPERVISORS AGENDA ITEM REPORT CONTRACTS / AWARDS / GRANTS

Requested Board Meeting Date: March 15, 2016

or Procurement Director Award  $\Gamma$ 

Contractor/Vendor Name (DBA): Westland Resources, Inc.

## Project Title/Description:

Continental Ranch Regional Pump Station Upgrade Design.

#### Purpose:

Amendment of Award: Contract No. CT-WW-13-830, Amendment No. Two (2). This amendment increases the contract amount by \$105,000.00 for additional work required to complete the upgrade design and for additional oversight required during construction activities. Administering Department: Regional Wastewater Reclamation.

#### **Procurement Method:**

Subsequent to Solicitation for Qualifications No. 85467, this contract was originally awarded by the Board of Supervisors on May 7, 2013, in the amount of \$300,000.00, with a term commencing on May 7, 2013, and ending June 30, 2015.

Contract Amendment No. One (1), approved by the Board of Supervisors on June 17, 2014, increased the contract amount by \$421,628.00, and added additional engineering work to validate current and anticipated wastewater flows for the purpose of capacity sizing pumps and a future force main sewer. Additional work was also required relative to facility odor control. The Regional Wastewater Reclamation Department also determined that facility security improvements needed to be incorporated into the facility upgrade design. The contract termination date was extended to June 30, 2016, to allow for completion of all additional work.

Attachments: Amendment No. Two (2).

### **Program Goals/Predicted Outcomes:**

<u>Design:</u> Complete required design and prepare construction documents package for advertisement and selection of a qualified contractor for construction of the project.

<u>Construction</u>: Consultant assistance for construction management, monitoring and supervision of project disciplines not available with in-house personnel to ensure compliance with project plans and specifications, regulatory and industry codes and department standards.

#### **Public Benefit:**

Upgraded pump station standards that will allow handling of future flows at build-out conditions without additional funding requirements for pump station operations.

#### Metrics Available to Measure Performance:

Monthly or bi-weekly activity reports during construction. Monthly updates to the cost to complete forecast.

#### Retroactive:

Nο

To: loB - 3-2-16 - (1)

Procure Dept 03/01/16 PM12:32

		,				
Document Type: Department Code:			Contract Number (i.e. 45 400)			
The second secon	Department Code: Termination Date:	Contract Number (i.e.,15-123):				
Effective Date:	_ Temination Date:	Prior Contract Number (Synergen/CMS):				
Expense Amount: \$		Revenue Amount: \$				
Funding Source(s):						
Cost to Pima County Ger	eral Fund:			Se e e		
Contract is fully or partial	y funded with Federal Funds?	☐ Yes	□ No	☐ Not Applicable to Grant Awards		
Were insurance or indem	nity clauses modified?	☐ Yes	☐ No	☐ Not Applicable to Grant Awards		
Vendor is using a Social S	Security Number?	☐ Yes	☐ No	☐ Not Applicable to Grant Awards		
If Yes, attach the required	form per Administrative Proced	lure 22-73	3.			
Amendment Information						
Document Type: CT	Department Code: WW		Contract	Number (i.e.,15-123): 13-830		
Amendment No.: Two (2)	,	A	MS Versi	on No.: <u>7</u>		
Effective Date: March 15,	2016			on Date:		
⊠ Expense □ Revenu	e		Amount 7	This Amendment: \$105,000.00		
Funding Source(s): RWR	D Obligations					
Cost to Pima County Gen	eral Fund: \$0.00					
•	40					
				20		
On the Law E. Danner	# 600		- Milala	188-16-11		
Contact: Keith E. Rogers		21	<del>ol</del> c	Talaham 704 0540		
Department: Procuremen		<u> 121</u>	19/16	Telephone: 724-3542		
Department Director Sign	7/	· · · · · · · · · · · · · · · · · · ·	7 (3	29/16 1/20/1		
Deputy County Administra	- · · · · · · · · · · · · · · · · · · ·	yw-	MS	Sur 4 9/16		
County Administrator Sign (Required for Board Agenda/Ad		1.10	ull	100mg 3/1/16		
Ivedrilen ini board Washing Wi	· · · · · · · · · · · · · · · · · · ·	•	•	/ *		

## PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT

PROJECT:

CONTINENTAL RANCH REGIONAL PUMP

STATION UPGRADE DESIGN

**CONSULTANT:** 

WestLand Resources, Inc.

CONTRACT NO.: CT-WW-1300000000000000830

AMENDMENT NO.: Two (2)

FUNDING:

**RWRD Obligations** 

CONTRACT TERM: 05/07/2013 - 06/30/2015 **TERMINATION PRIOR AMENDMENT: 06/30/2016 TERMINATION THIS AMENDMENT: 06/30/2016** 

ORIGINAL CONTRACT AMOUNT: PRIOR AMENDMENT(S):

300,000.00 \$ 421,628.00

CONTRACT

correspondence

NO. CT. WW-13-830

pertaining

AMOUNT THIS AMENDMENT:

\$ 105,000.00

on all

and

this

REVISED CONTRACT AMOUNT: \$ 826,628.00

AMENDMENT NO.

invoices.

contract.

documents -

This number must appear

#### CONTRACT AMENDMENT

WHEREAS, COUNTY and CONSULTANT have entered into the Contract referenced above; and

WHEREAS, the project design was to be accomplished in phases; and

WHEREAS, unanticipated additional engineering work is now required to complete the detail design phase of the pump station upgrade design; and

WHEREAS. County is requiring Consultant to provide more oversight during the construction phase than originally required; and

WHEREAS, given the additional engineering work required to bring this facility up to current RWRD standards and the additional construction oversight work required during the construction phase, the approved funding for this contract is insufficient; and

WHEREAS. CONSULTANT has proposed pricing acceptable to COUNTY for the additional design and construction oversight services; and

NOW, THEREFORE, it is agreed as follows:

- **CHANGE** the Captioned Amount.

From: NTE \$721,628.00 To: NTE \$826,628.00

CHANGE: ARTICLE II = SCOPE OF SERVICES, first paragraph, as amended in Contract Amendment No. 1:

ADD: "ATTACHMENT 2 to EXHIBIT "A" (2 pages attached)" To EXHIBIT "A": SCOPE OF WORK.

CHANGE: ARTICLE III - COMPENSATION AND PAYMENT, first paragraph, first sentence, as amended in Contract Amendment No. 1:

"In consideration of the services specified in this Contract, the COUNTY agrees to pay From: CONSULTANT Not To Exceed Seven Hundred Twenty One Thousand Six Hundred Twenty Eight Dollars (\$721,628.00) during the term of the contract."

"In consideration of the services specified in this Contract, the COUNTY agrees to pay To: CONSULTANT Not To Exceed Eight Hundred Twenty Six Thousand Six Hundred Twenty Eight Dollars (\$826,628.00) during the term of the contract."

# CHANGE: ARTICLE III - COMPENSATION AND PAYMENT, first paragraph, second sentence:

"ATTACHMENT 1 to EXHIBIT "B" (2 pages attached)" To EXHIBIT "B": COMPENSATION SCHEDULE.

This Amendment shall be effective on March 15, 2016.

All other provisions of the Contract, not specifically changed by this amendment, shall remain in effect and be binding upon the parties.

IN WITNESS WHEREOF, the parties have affixed	d their signatures to this Amendment on the dates written below.
APPROVED:	CONSULTANT
Chair, Board of Supervisors	Signature
Date	Name and Title (Please Print)
ATTEST:	<u> </u>

Clerk of the Board

APPROYED AS TO FORM:

Deputy County Attorney

**CHARLES WESSELHOFT** 

Name (Please Print)

FEB 1 8 2016

Date



August 5, 2015

Mr. Noel Ortiz
PIMA COUNTY REGIONAL WASTEWATER
RECLAMATION DEPARTMENT
3355 North Dodge Blvd
Tucson, Arizona 85716

Re: CONTINENTAL RANCH REGIONAL PUMP STATION (CRRPS)

CHANGE ORDER REQUEST WESTLAND PROJECT 1398.02

Dear Mr. Ortiz:

As per our previous conversations, WestLand Resources, Inc. (WestLand) is submitting this change order request for consideration as this project is geared to begin the next stage. Due to the complexity of the project, several items were designed as part of the upgrades to the Continental Ranch Regional Pump Station that were not originally considered or within scope. This and other circumstances as outlined below caused the design phase to go over budget as we had previously discussed. In addition, RWRD has requested that WestLand provide more oversight during construction than originally required. The total cost for additional services requested and out-of-scope items is \$105,000. A breakdown of the costs is as follows:

- \$11,620 for additional construction administrative services (CA) requested.
- \$93,380 for additional fees due to changes in scope and costs associated with design changes or extra work required to finish the plans.

Specific details regarding the design overages encountered throughout the project are provided below:

- Change of the FMP wet well from a circular manhole structure submitted as a layout during the
  initial study phase to a wef pit/dry pit rectangular vault structure changed at the 60% design
  phase. This required redesign of the wet well including a structural design of the vaults and lid.
- Extra work required for calculating contributing flows to the pump station that were approved
  during the original report study phase submittal. The flows needed to be re-calculated and agreed
  upon by RWRD and verified in meetings. A portion of the basin area previously excluded by
  RWRD was reintroduced as part of the project which raised the flow going to the pump station.
  All force main calculations for head loss and velocities had to be re-done and pump selections
  needed to be re-evaluated for the new flows.
- Plans had to be changed and time spent reviewing comments that were received later in the
  review period that should have been commented on in earlier submittals, which included the

Q. Uobs\1300's\1398.02 ENG\Change order\Change Order Request\_080415.docx

- mixer pumps, back up PLC units and the relocation of site piping due to pot hole information provided at the 90% design level.
- Due to extremely long review periods (10 weeks for 60% review and 6 weeks for 90% review)
  the design consultant had to move forward with design to try and keep the project moving. This
  caused some design changes later as input was provided after the design had moved forward.
- Late information provided by Vendors for the FMP required changes to the FMP vault and
  redesign of a landing structure (fiberglass grate) in the wet well pit portion. This was based on the
  need for net positive suction head requirements different from the original provided by the
  vendors. A structural beam needed to be added to the wet well for the access grate.
- An access hatch/hole needed to be designed to get equipment from the middle floor to the bottom floor when all pumps are in place. A design for a hole through the discharge pump floor was required.
- The wall at the site which was damaged during the design of the plans was added into the structural plans to be fixed. The wall was then fixed at some point during the redesign so the wall had to be removed from our plan set after time was spent designing it.
- Due to the new hole required to get equipment to the pump room level, a crane needed to be
  designed for the discharge piping room to allow for access and mobility of heavy equipment
  which required structural design. This item was not in the original scope but necessary for the
  design to work because the duct work for the required air exchanges per NFPA 820 blocked.
- WestLand will be required to meet with the Arizona Department of Environmental Quality (ADEQ) Southern Arizona Branch representative to help inform them about the project prior to submittal for the construction authorization (CA) for the new portion of the project. This is required due to the current lack of technical experience at the ADEQ review office in Phoenix and not included in the original scope.

If you have any questions or require additional information, please do not hesitate to call.

Respectfully,

WestLand Resources, Inc.

Craig Cannizzaro, P.E.

Project Manager

CXC:dm

cc: Mark F. Taylor, P.E., WestLand Resources, Inc.

	ORIGINAL BUDGET	CHANGE #1 FOR ADDITIONAL DESIGN NEEDS	CHANGE ORDER #2 FOR SCOPE CHANGES*	·
PHASE 1 VALIDATION STUDY	<del> </del>			
Kick-off meeting	\$5,884			
Site visit/evaluation	\$19,952			
Pre-validation study meeting	\$4,982			
Validation study report	\$31,727			
Final validation study				
meeting/presentation	\$6,911			
Deisgn Report	\$3,382			
Extra costs for sewer flows, NFPA				
820, extra Meetings		\$12,160		
SUBTOTAL VALIDATION STUDY	\$72,838	\$12,160		
PHASE 2 DESIGN				
Lift Station Upgrade Design	\$227,162	\$214,838	\$93,380	
Security Design for L.S.		\$110,743		
Construction Specifications		\$21,010		
Engineering services during				
construction		\$42,120	\$11,620	
Engineer of record drawings		\$20,460		
Reimbursables		\$297		
SUBTOTAL DESIGN		\$409,468	\$105,000	
SUBTOTAL STUDY AND DESIGN	\$300,000	\$421,628	\$105,000	
TOTAL BUDGET				\$826,628

TASK	Original Budget	Additional Fee Required	Total
	14		
Construction Administration			
WestLand Resources	\$16,380	\$11,620	\$28,000
Richard Canney Engineering	\$15,000		\$15,000
Structural Concepts	\$12,720		\$12,720
KC Mechanical	\$5,000		\$5,000
Kimley Horn	\$25,399		\$25,399
David E. Shambach Architect Inc.	\$9,600		\$9,600
Additional Design Fees		NATURE OF THE PARTY OF THE PART	
Structural Concepts	7.25 of	\$17,000	\$17,000
WestLand Resources		\$12,000	\$12,000
Remaining Design Fees			
David E. Shambach Architect Inc.	\$12,000	W 7 8 11 - 11 - 11 - 12 - 12 - 12 - 12 - 12	\$12,000
KC Mechanical	\$3,300	e	\$3,300
CH2M Hill	\$3,500		\$3,500
Remaining Fee Subtotal	\$102,899	And the second s	\$102,899
Additional Fee Subtotal		\$40,620	\$40,620
Remaining Budget	(\$38,519)		(\$38,519)
Project Overage*			\$105,000

衛養官奉兵不敢者等在各種一度不敢的物方也也不不不不可以