

# STATE OF COLORADO

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## Colorado Water Conservation Board

### Department of Natural Resources

1580 Logan Street, Suite 600  
Denver, Colorado 80203  
Phone: (303) 866-3441  
Fax: (303) 894-2578  
[www.cwcb.state.co.us](http://www.cwcb.state.co.us)



October 23, 2013

Lower Willow Creek Restoration Company  
Attn: Guinevere Nelson, Coordinator  
P.O. Box 457  
Creede, CO 81130

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

James Eklund  
CWCB Director

**RE: Notice to Proceed – WSRA Grant – Willow Creek Floodplain Restoration Phase II**

Dear Guinevere,

This letter is to inform you that the contract to assist in the Willow Creek Floodplain Restoration Phase II project in the Rio Grande River Basin was signed on October 21, 2013. The original purchase order will be mailed to you.

With the executed purchase order, you are now able to proceed with the project and invoice the State of Colorado for cost incurred through January 31, 2017. Please indicate purchase order number OEPDA14IBC-13 and the project name on all correspondence sent to CWCB. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 45 days. I wish you much success in your project.

If you have any questions or concerns regarding the project, please contact Chris Sturm, Project Manager at (303) 866-3441 ext 3236.

Sincerely,

//s//

***Dori Vigil, Program Assistant II  
Colorado Water Conservation Board  
Water Supply Planning Section***

1580 Logan Street, Suite 200  
Denver CO 80203  
(303) 866-3441 x3250  
[dori.vigil@state.co.us](mailto:dori.vigil@state.co.us)

WATER CONSERVATION BOARD  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

Buyer: ALLAN SMITH  
Phone Number: 303-866-3292  
Agency Contact: DORI VIGIL  
Phone Number: 303 866 3441

DATE: 10-22-13

**IMPORTANT**  
The PO# and Line # must  
appear on all invoices,  
packing slips, cartons  
and correspondence

ACC: 10-21-13



**PURCHASE  
ORDER**  
STATE OF COLORADO

P.O. # OE PDA 14IBC000013 Page# 01

State Award #

FEIN 453172015 Phone: - -  
Vendor Contact: GUINEVERE NELSON  
Purchase Requisition #:

V LOWER WILLOW CREEK RESTORATION  
E  
N  
D PO BOX 457  
O CREEDE CO 81130  
R

**INSTRUCTIONS TO VENDOR:**

1. If for any reason, delivery of this order is delayed beyond the delivery/installation date shown, please notify the agency contact named at the top left. (Right of cancellation is reserved in instances in which timely delivery is not made.)
2. All chemicals, equipment and materials must conform to the standards required by OSHA.
3. NOTE: Additional terms and conditions on reverse side.

BID #

**Invoice in Triplicate**

To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

**Payment will be made by this agency**

Ship To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

Delivery/Installation Date: 01-31-17

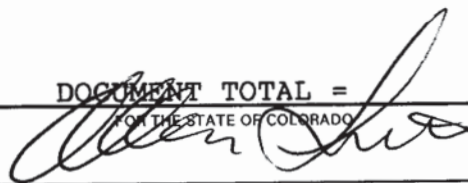
F.O.B. DESTINATION STATE PAYS NO FREIGHT

**SPECIAL INSTRUCTIONS:**

LINE ITEM	COMMODITY/ITEM CODE	UNIT OF MEASUREMENT	QUANTITY	UNIT COST	TOTAL ITEM COST
001	91843000000				\$55,000.00
	CMS#61650 WILLOW CREEK FLOODPLAIN RESTORATION II				

THIS PO IS ISSUED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS  
This PO is effective on the date signed by the authorized individual.  
EPSPO PAA

DOCUMENT TOTAL = \$55,000.00

FOR THE STATE OF COLORADO  
  
Authorized Signature

10/22/13  
Date

## **Exhibit A: Statement of Work**

### **Lower Willow Creek Restoration Project Phase 2**

#### **Project Description:**

The Lower Willow Creek Restoration Project was described in the NRCS Willow Creek Restoration: Planning Study in 2007. From this report the LWCRCO and WCRC moved forward with Alternative 2a to utilize the resources available and the outcomes desired. Alternative 2a puts heavy emphasis on the importance of establishing vegetation to achieve the goals of the Lower Willow Creek Restoration Project and has guided the development of Phase 2 of the project.

The goal of Phase 2 is to establish vegetation along this section of Willow Creek, about 108 acres. The Willow Creek watershed has low sediment input, and sediment that would be transported to the floodplain is impeded by the man made structures built above the City of Creede to assist with flood control. Thus, the lower Willow Creek floodplain has very little sediment on it to provide a growing medium for planting and seeding. Included in the Lower Willow Creek Restoration design plans are bank stabilization plans and specific sites where the establishment of vegetation is likely and beneficial to stream restoration. These activities will improve water quality, create aquatic and riparian habitat and improve the aesthetic qualities for the Creede community.

The second phase of the Lower Willow Creek Restoration Project will stabilize the newly created stream bank, protect the channel from erosion, and enhance the vegetation along the riparian corridor.

To achieve these objectives the LWCRCO will implement the following tasks; soil excavation, riparian enhancements, conduct monitoring activities, grant administration and employ legal advice as part of the topsoil donation.

#### **TASKS:**

##### **Task 1: Soil Excavation**

Description: Excavate 10,000 cubic yards from 'Airport Corner', control traffic across Highway 149, haul topsoil to the Lower Willow Creek Floodplain for use during revegetation activities.

Method: The LWCRCO will hire contractors to excavate and haul material roughly one mile to stockpile until stabilization/vegetation activities commence. Contractor will also be responsible for traffic control on Highway 149 during hauling as well as reseeding of the excavated site with a CDOT approved seed mix.

Deliverable: Stockpiled topsoil on the Lower Willow Creek Floodplain, excavated land on 'Airport Corner' reseeded, and a CDOT approved Traffic Plan.

## **Task 2: Riparian Enhancements**

Description: Install Turf Reinforcement Material (TRM) and wattles per the design plan specifications, plant appropriate shrubs/trees along the corridor as specified by the design.

Method: WCRC volunteers will install the erosion control materials and plant vegetation with oversight by the WCRC Coordinator. Soil movement from the stockpile site to prescribed areas of revegetation will be handled by the City of Creede.

Deliverable: Stabilized bank channel, reestablished riparian vegetation, and reduced erosion.

## **Task 3: Monitoring**

Description: Monitor the site for two years using the Lower Willow Creek Restoration Project Sampling and Analysis Plan.

Method: WCRC will look at stream function, water quality, and riparian condition as outlined in the Lower Willow Creek Restoration Project Sampling and Analysis Plan. Monitoring will include geomorphic assessments, structure monitoring, surface water sampling, macroinvertebrate sampling, Proper Functioning Condition assessment and photo-points.

Deliverable: A report comparing pre-project conditions to post project conditions and identify further needs.

## **Task 4: Administration**

Description: Complete required reporting, contracts and documents and ensure tasks are completed on time and on budget.

Method: LWCRCO will contract with the WCRC to administer the Phase 2 grants WSRA and CDPHE by completing all contracts, managing budgets, reimbursement requests, required reports and maintaining contact with the project partners. The LWCRCO will oversee the project to ensure the implementation is timely and accurate.

Deliverable: Reports, contracts, and activities timely and accurately completed.

## **Task 5: Legal**

Description: Ensure legal interests are secured by employing attorney review of the Topsoil Agreement.

Method: LWCRCO will work with John Parker's attorney and LWCRCO's attorney to ensure the legal requirements of the donation are met and both parties are satisfied.

Deliverable: Legal agreement for the Topsoil Donation signed by John Parker and LWCRCO.

## PROJECT BUDGET:

LOWER WILLOW CREEK RESTORATION PROJECT PHASE 2						SOURCE OF FUNDS					
PHASE 2 PROJECT TASKS	Year 1: 2013	Year 2: 2014	Year 3: 2016	Year 4: 2016	Total	CDPHE	CWCB WSRA	Creede Resources, Inc.	WCRC	John Parker	Total
<b>Task 1: Soil Excavation</b>						CASH			IN-KIND		
Mobilization, Excavation and Hauling	\$ -	\$ 44,500.00	\$ -	\$ -	\$ 44,500.00	\$ -	\$38,500.00	\$ 6,000.00	\$ -	\$ -	\$ 44,500.00
Traffic Control on 149	\$ -	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	\$ -	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ 4,000.00
Reseeding Excavation Site	\$ -	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	\$ -	\$ 3,000.00	\$ -	\$ -	\$ -	\$ 3,000.00
<b>Task 1 Total</b>	<b>\$ -</b>	<b>\$ 51,500.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 51,500.00</b>	<b>\$ -</b>	<b>\$43,500.00</b>	<b>\$ 8,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 51,500.00</b>
<b>Task 2: Riparian Enhancements</b>											
Planting/Seeding along Willow Creek *(WCRC Contributions derived from previous activities)	\$ -	\$ 55,500.00	\$ 3,750.00	\$ 3,750.00	\$ 63,000.00	\$ 7,500.00	\$ 3,000.00	\$ -	\$ 2,500.00	\$ 50,000.00	\$ 63,000.00
Erosion Control includes wattle installation and TRM installation*	\$ -	\$ 55,000.00	\$ -	\$ -	\$ 55,000.00	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	\$ 50,000.00	\$ 55,000.00
<b>Task 2 Total</b>	<b>\$ -</b>	<b>\$110,500.00</b>	<b>\$ 3,750.00</b>	<b>\$ 3,750.00</b>	<b>\$ 118,000.00</b>	<b>\$10,000.00</b>	<b>\$ 3,000.00</b>	<b>\$ -</b>	<b>\$ 5,000.00</b>	<b>\$100,000.00</b>	<b>\$118,000.00</b>
<b>Task 3: Monitoring</b>											
Field Personnel WCRC personnel valued at \$25/hour	\$ -	\$ 500.00	\$ 500.00	\$ 500.00	\$ 1,500.00	\$ 750.00	\$ -	\$ -	\$ 750.00	\$ -	\$ 1,500.00
<b>Task 3 Total</b>	<b>\$ -</b>	<b>\$ 500.00</b>	<b>\$ 500.00</b>	<b>\$ 500.00</b>	<b>\$ 1,500.00</b>	<b>\$ 750.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750.00</b>	<b>\$ -</b>	<b>\$ 1,500.00</b>
<b>Task 4: Administration</b>											
Grant Administration LWCRCO personnel valued at \$25/hour	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 6,000.00	\$ 3,500.00	\$ 2,500.00	\$ -	\$ -	\$ -	\$ 6,000.00
Office Support provided by the City of Creede to the WCRC for utilities and office space	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 2,000.00	\$ -	\$ -	\$ -	\$ 2,000.00	\$ -	\$ 2,000.00
<b>Task 4 Total</b>	<b>\$2,500.00</b>	<b>\$ 1,500.00</b>	<b>\$1,500.00</b>	<b>\$ 2,500.00</b>	<b>\$ 8,000.00</b>	<b>\$ 3,500.00</b>	<b>\$ 2,500.00</b>	<b>\$ -</b>	<b>\$ 2,000.00</b>	<b>\$ -</b>	<b>\$ 8,000.00</b>
<b>Task 5: Legal</b>											
Attorney Fees	\$6,000.00	\$ -	\$ -	\$ -	\$ 6,000.00	\$ -	\$ 6,000.00	\$ -	\$ -	\$ -	\$ 6,000.00
<b>Task 5 Total</b>	<b>\$6,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,000.00</b>	<b>\$ -</b>	<b>\$ 6,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,000.00</b>
<b>TOTAL</b>	<b>\$8,500.00</b>	<b>\$164,000.00</b>	<b>\$5,750.00</b>	<b>\$ 6,750.00</b>	<b>\$ 185,000.00</b>	<b>\$14,250.00</b>	<b>\$55,000.00</b>	<b>\$ 8,000.00</b>	<b>\$ 7,750.00</b>	<b>\$100,000.00</b>	<b>\$185,000.00</b>
Percent of Project Cost						8%	30%	4%	4%	54%	100%

## PROJECT TIMELINE

Project Tasks	Lower Willow Creek Restoration Project Phase 2 Project Schedule											
	2013 QTR 4	2014 QTR 1	2014 QTR 2	2014 QTR 3	2014 QTR 4	2015 QTR 1	2015 QTR 2	2015 QTR 3	2015 QTR 4	2016 QTR 1	2016 QTR 2	2016 QTR 3
Task 1: Soil Excavation												
Task 2: Riparian Enhancements												
Task 3: Monitoring												
Task 4: Administration												
Task 5: Legal Fees												

## Attachment B: Maps

Map of approximate excavation and stockpile sites

## Water Supply Reserve Account – Application Form

Revised December 2011

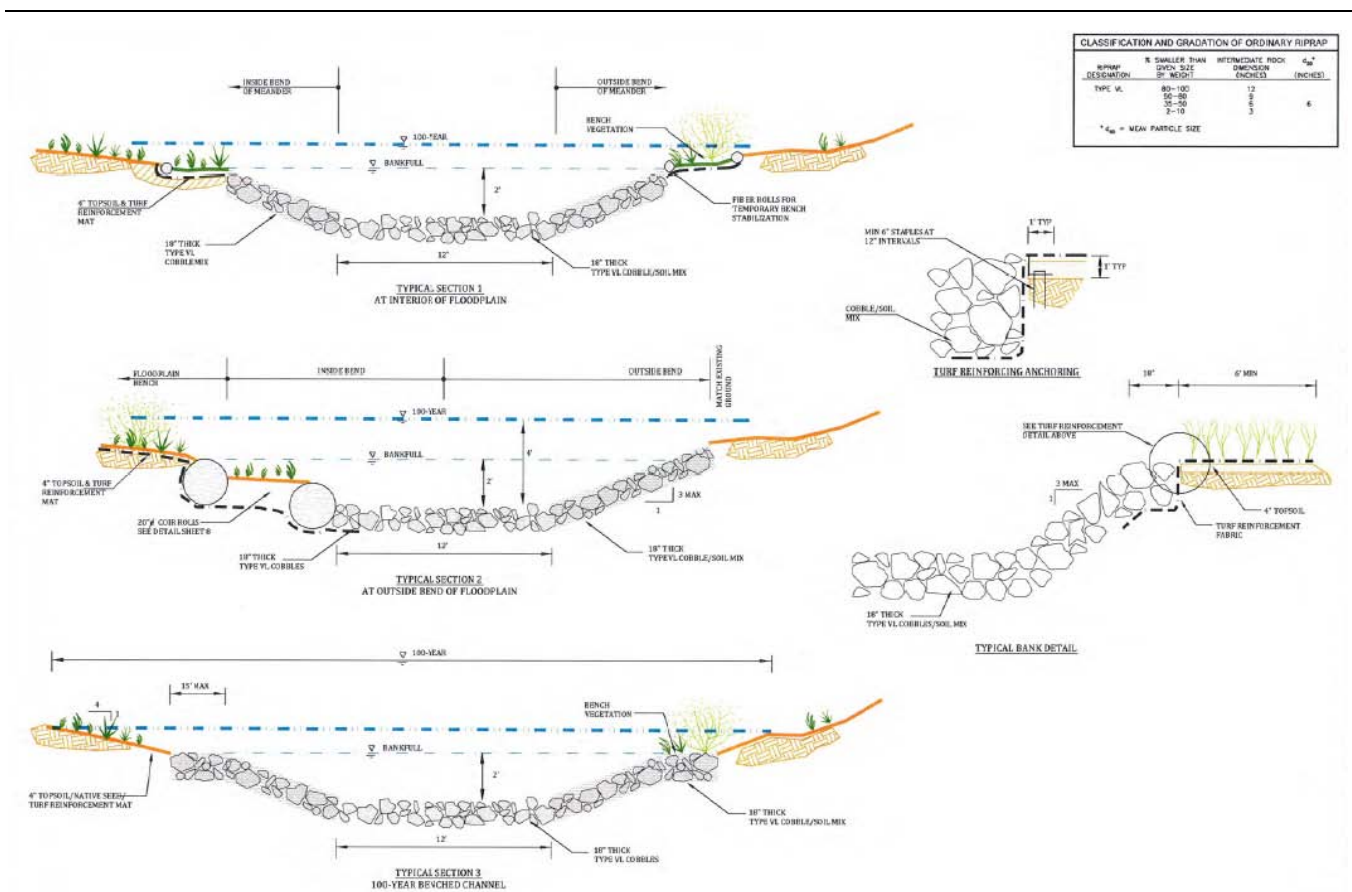


Design plans to be implemented during revegetation activities.



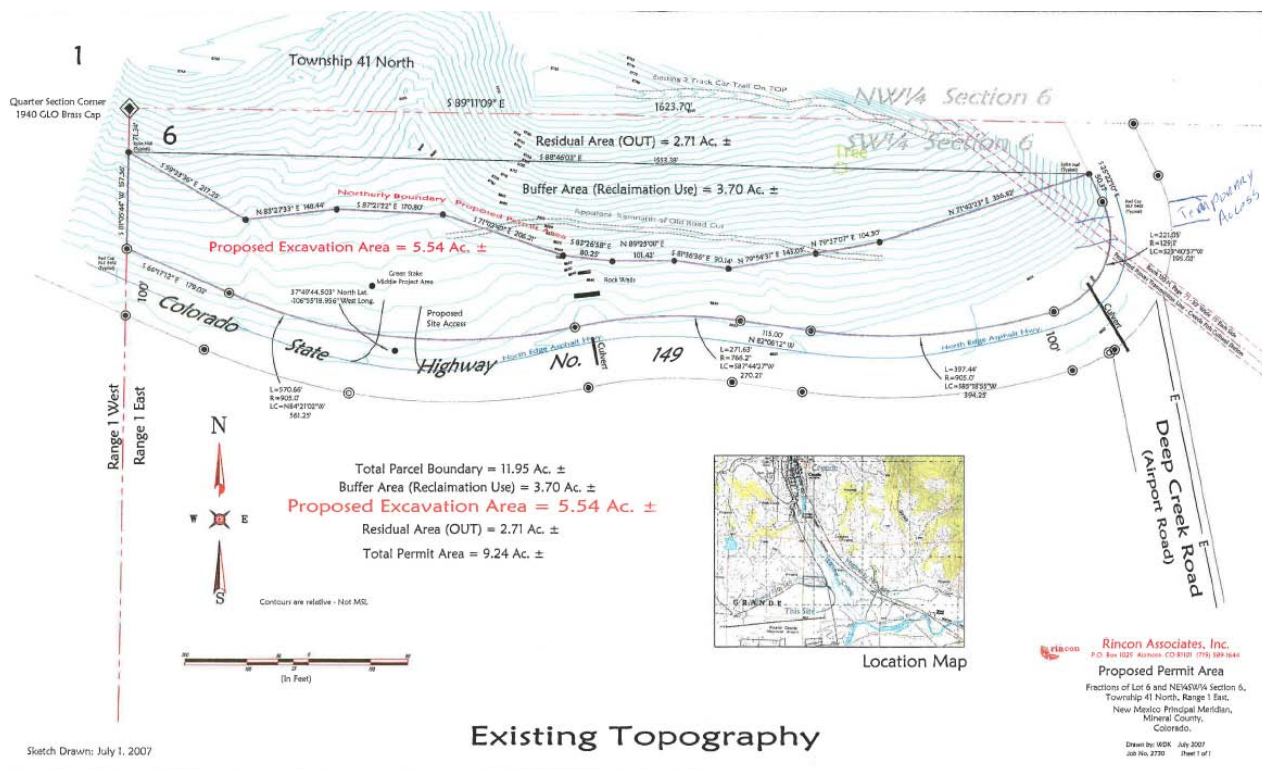
# Water Supply Reserve Account – Application Form

Revised December 2011



# Water Supply Reserve Account – Application Form

Revised December 2011



## Topography before and after excavation for the Lower Willow Creek Restoration Project Phase 2

