



OWL MOUNTAIN PARTNERSHIP

P.O. Box 737

Walden Colorado 80480

September 25, 2018

Colorado Water Conservation Board
1313 Sherman Street
Room 718
Denver, Colorado 80203

Reference Purchase Order: POGGI,PDAA,201900002014

Dear CWCB:

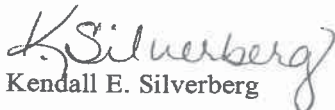
The "Old S.C. Ditch" project has been completed. The project consisted of the installation of a new headgate and a fish-friendly diversion. Jordan Concrete LLC and RLW Enterprises performed the installation.

No major obstacles were encountered with the installation of the project. The rock chute is shorter and narrower on the downstream end than shown on the design, but the sides are higher and the overall rock thickness is greater. The rock chute will function properly as installed. There is also an additional armored overflow section adjacent to the chute and rock was placed at the inlet and outlet of the headgate structure for extra protection.

The Natural Resources Conservation Service (NRCS) inspected and certified the structures 9/18/18. Both the headgate and the diversion structure met NRCS's Standards and Specifications for Structures for Water Control. They approved on 9/25/18 the matching payment amount of \$29,387.04. The landowner contribution is \$3,212.96.

We are requesting a final payment of \$29,786.00 from the CWCB Grand Funding.

Sincerely,


Kendall E. Silverberg
Administrator for OMP



STATE OF COLORADO
Department of Natural Resources

Page 1 of 1

ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,201900002014					
Date:	7/10/18					
Description:	PDAA 2500 WSRF - OWL OLD SC NPRB					
Effective Date:	07/10/18	Expiration Date:	06/01/21			
BUYER						
Buyer:						
Email:						
VENDOR						
OWL MOUNTAIN PARTNERSHIP						
PO BOX 737						
WALDEN, CO 80480-0737						
Contact:						
Phone:						
EXTENDED DESCRIPTION						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$29,786.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF - OWL OLD SC NPRB						
Service From: 07/10/18				Service To: 06/01/21		
Delivery Instructions						
FOB:		FOB Dest, Freight Allowed		Delivery Date: -		
Ship To:				Bill To:		
COLORADO WATER BOARD CONSERVATION				COLORADO WATER BOARD CONSERVATION		
1313 SHERMAN STREET, ROOM 718				1313 SHERMAN STREET, ROOM 718		
DENVER, CO 80203				DENVER, CO 80203		
TERMS AND CONDITIONS						
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions						
DOCUMENT TOTAL = \$29,786.00						

INVOICE TO: Colorado Water Conservation Board
1313 Sherman St. Rm. 721
Denver, Co 80203 303-866-3441
Attn: JONATHAN HERNANDEZ, PROJECT MANAGER jonathan.hernandez@state.co.us

Insert your allocated budget in the appropriate task column for each grant and draw down from the remitted invoice(s). Please provided an updated file with each invoice request along with all supporting documents.

PROOF OF MATCHING FUNDS

US DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

NRCS-CPA-1245

02/2014

PRACTICE APPROVAL AND PAYMENT APPLICATION Information is needed from the Conservation Plan Schedule of Operations to complete this form. Penalty for false statement or entries.	Participant LUANN BYBEE SCHELLHAAS	Program and Contract Number EQIP 2014 748B05170M0
	County and State JACKSON County, CO	Fund Code North Platte-White-Yampa WS - Water Q/Q General (North Platte-White-Yampa Watershed)
	Watershed Middle Michigan River	Payment Application Number 1

LUANN BYBEE SCHELLHAAS PO BOX 246 WALDEN CO 80480	Date
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3. NRCS APPROVING OFFICIAL CERTIFICATION

Pursuant to authority vested in me, I certify that the items listed herein are correct and hereby approved for payment from the fund designated on supporting data records.

NRCS Approving Official CIN 1, 2 DEBBI HEENEY USDA electronic signature; manual signature not required.	Date 9/25/2018
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4. PAYMENT SUMMARY

Participants with 0% payment shares are not listed.

Payees	Payee Type	SSN or Tax ID	Account	Participant Payment Share	Payment Reductions	Payment Amount
LUANN BYBEE SCHELLHAAS	P	*****8929	*****4399	100.0000%	\$0.00	\$29,387.04
Total				100.0000%	\$0.00	\$29,387.04

5. PAYMENT ASSIGNMENTS (Use NRCS-CPA-1236)

Participants with active payment assignments are listed.



NW 1/4 SEC. 17, T. 8 N., R. 78 W.

LOCATION MAP

I realize that as a landowner, I and/or the contractor I hire, may be liable for any damage to utilities during construction. NRCS makes no representation that utilities shown on plans are exactly located or that all utilities are shown.

I will provide NRCS with the Utility Notification Center of Colorado (UNCC) ticket number my contractor has acquired prior to the start of construction.

Signature [Signature] Date 8-29-17 UNCC Ticket # A 819701753-00A

CALL UNCC, 1-800-922-1987 TWO DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR MARKING OF UNDERGROUND UTILITIES.

I agree, as landowner and/or group representative, to construct this project according to these plans and specifications. Land and water rights, permits, easements and rights-of-way have been obtained from all landowners and properties involved. No changes will be made in the project design or location without prior approval of an NRCS representative.

Signature [Signature] Date 8-29-17

Notes:

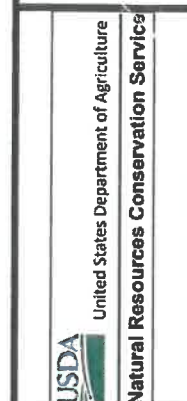
1. The benchmark is located top of 1" X 2" wooden stake set approximately 85 feet east of site access road along pole fence. Elevation 72.52 (assumed).
2. The design flow rate for the headgate is 40 CFS.
3. The concrete mix, forming, placement, and curing for the headgate structure, shall conform to attached Specification 587 - Structure For Water Control.
4. The reinforcing steel shall consist of #5 bars on 12 inch centers, each way. Bars shall be configured as shown on "Option 1" of the attached Cantilever Wall Reinforcement detail. The reinforcing bars shall be continuous or spliced from floor and wall into adjacent floor and wall. The minimum splice length shall be ___ inches. The minimum distance from the reinforcing bars to the face of the concrete shall be two inches for formed surfaces and three inches for surfaces formed against earth.
5. Metal ties within the forms shall be equipped with cones that permit their removal to a depth of at least one inch without injury to the concrete. Ties designed to break off below the surface shall not be used without cones. After forms are taken off, the cones shall be removed and the holes patched with non-shrink grout.
6. All exposed concrete edges shall be chamfered 3/4 inch.
7. All spaces excavated and not occupied by the structure shall be backfilled up to the specified elevation or up to the ground surface. Backfill shall be 3/4 inch crushed roadbase or other suitable clay-type material approved by the engineer. The backfill shall be firmly compacted, with hand directed compaction equipment, in lifts not greater than six inches.
8. The gate shall a Fresno manufactured (or equal), aluminum, rectangular slide gate, four feet high, with a six foot wide opening. The gate shall be bolted to the upstream face of the structure (see Section A - A) per the manufacturers instructions. Gate detail drawing to be provided by vendor.
9. The rock chute shall be constructed to the specifications and dimensions shown on the attached design sheet. Mirafi 180N (or equal) filter fabric shall be placed under rock chute, and shall be laid vertically, to a depth of two feet below the front of the inlet apron, to act as a cutoff barrier.

Date	March 2017	April 2017
Designed	VF	VF
Drawn	VF	VF
Checked	---	---
Approved	---	---

EQUIP Contract No.	Contract Item No.	Job Class
		IV

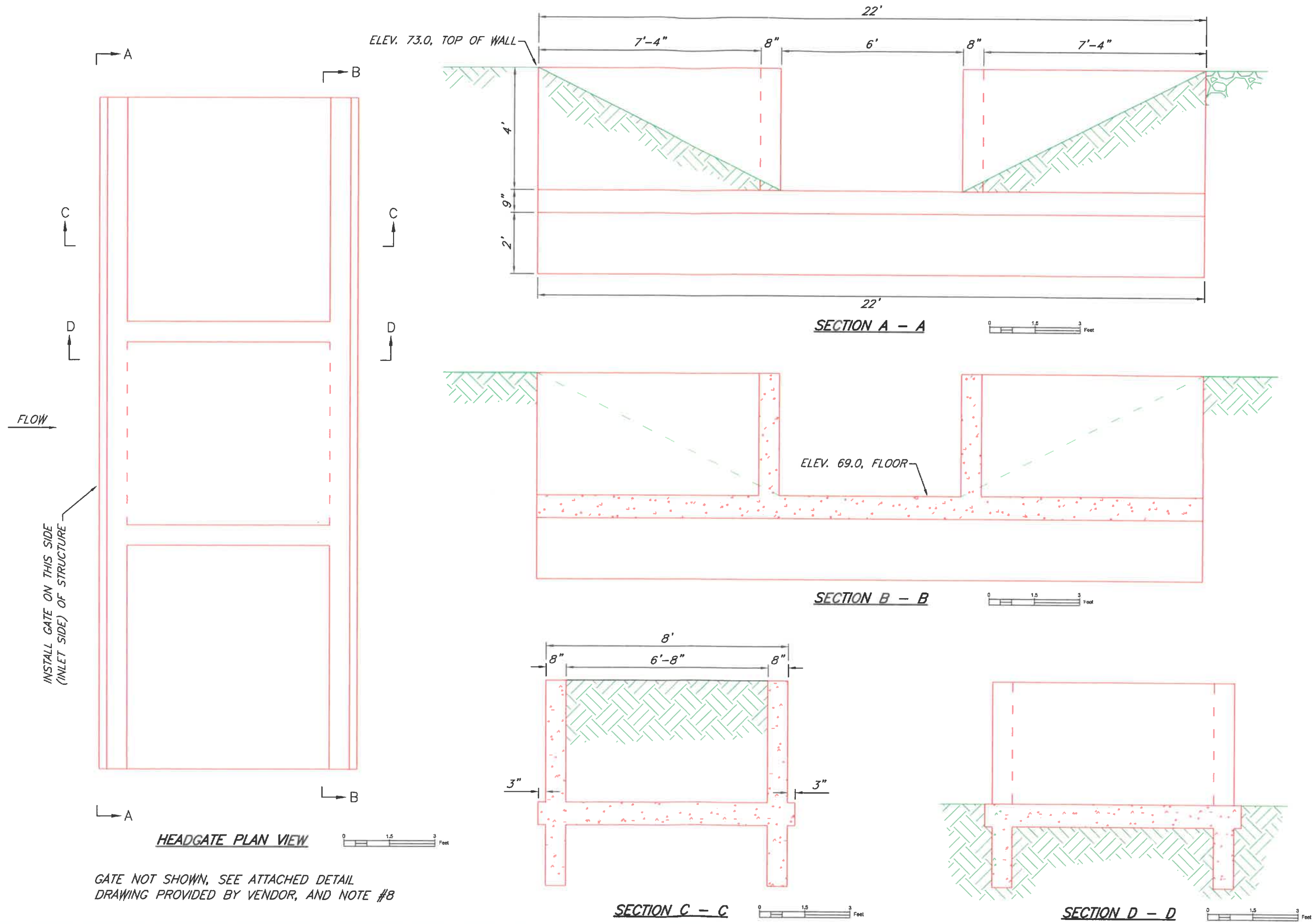
LuAnn Schellhaas
Old SC Ditch Headgate

SHEET 1 of 2 Jackson County, CO



File No.
SC Ditch
Headgate.dwg

5/24/17 9:20 AM



USDA United States Department of Agriculture Natural Resources Conservation Service		File No. SC Ditch Headgate.dwg 4/11/17 1:12 PM
LuAnn Schellhaas Old SC Ditch Headgate SHEET 2 of 2 Jackson County, CO		
EQIP Contract No. Contract Item No. Job Class IV	Designed VF March 2017 Drawn VF April 2017 Checked Approved	Date March 2017 April 2017 // //

Rock Chute Design - Plan Sheet

(Version 4.02 - 11/04/09, Based on Design of Rock Chutes by Robinson, Rice, Kadavy, ASAE, 1998)

Project: SC Ditch Diversion Spillway
 Designer: VF
 Date: 4/11/2017

County: Jackson
 Checked by: _____
 Date: _____

Design Values

Angular D_{50} dia. = 9.3 in.
 Rock_{chute} thickness = 18.7 in.
 Inlet apron length = 9 ft.
 Outlet apron length = 12 ft.
 Radius = 26 ft.
 Will bedding be used? No

Rock Gradation Envelope

% Passing	Diameter, in. (weight, lbs.)
D_{100} -----	14 - 19 (198 - 469)
D_{85} -----	12 - 17 (129 - 342)
D_{50} -----	9 - 14 (59 - 198)
D_{10} -----	7 - 12 (30 - 129)

Quantities^a

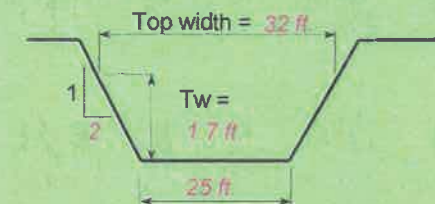
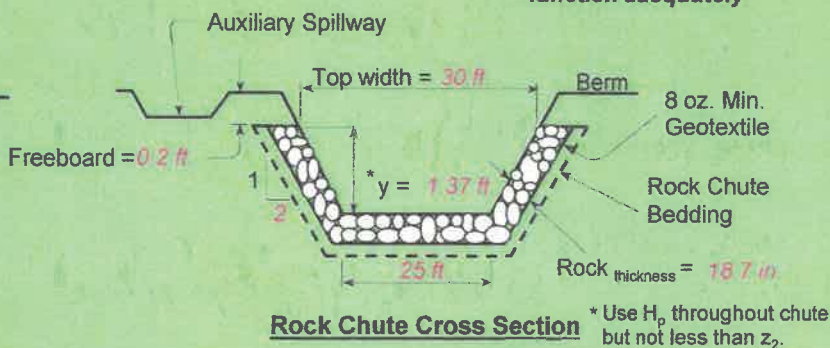
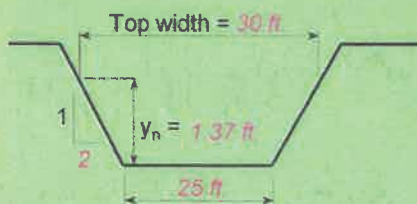
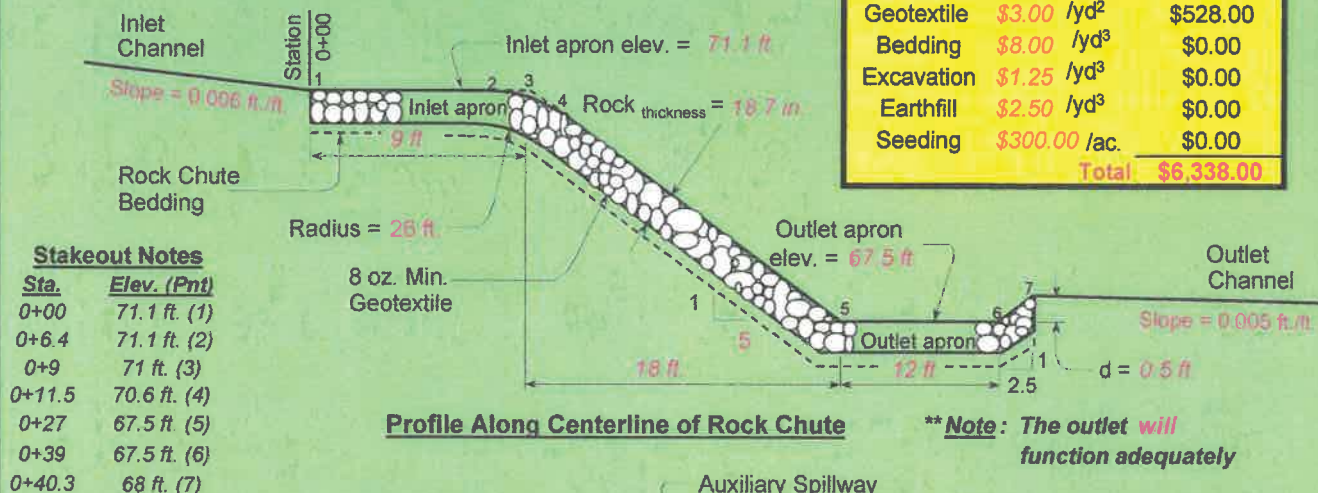
Angular Rock	= <u>83</u> yd ³
Geotextile (8 oz.) ^b	= <u>176</u> yd ²
Bedding	= <u>0</u> yd ³
Excavation	= <u>0</u> yd ³
Earthfill	= <u>0</u> yd ³
Seeding	= <u>0.0</u> acres

Notes: ^a Rock, bedding, and geotextile quantities are determined from the x-section below (neglect radius).

^b Geotextile shall be overlapped (18-in. min.) and anchored (18-in. min. along sides and 24-in. min. on the ends).

Rock Chute Cost Estimate

Unit	Unit Cost	Cost
Rock	\$70.00 /yd ³	\$5,810.00
Geotextile	\$3.00 /yd ²	\$528.00
Bedding	\$8.00 /yd ³	\$0.00
Excavation	\$1.25 /yd ³	\$0.00
Earthfill	\$2.50 /yd ³	\$0.00
Seeding	\$300.00 /ac.	\$0.00
Total		\$6,338.00

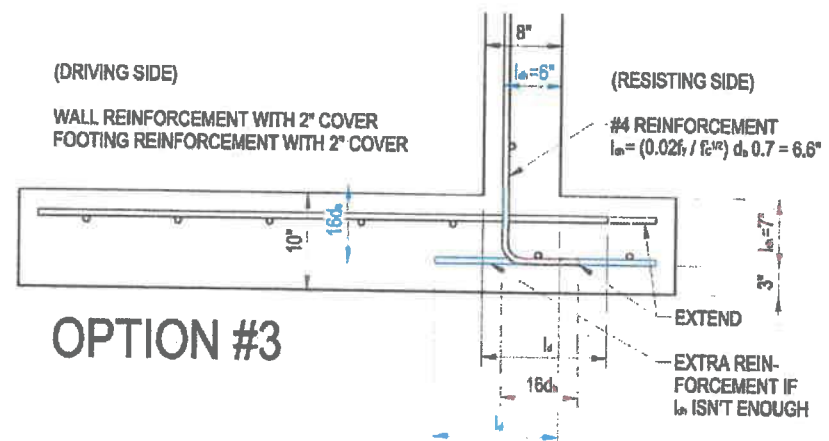
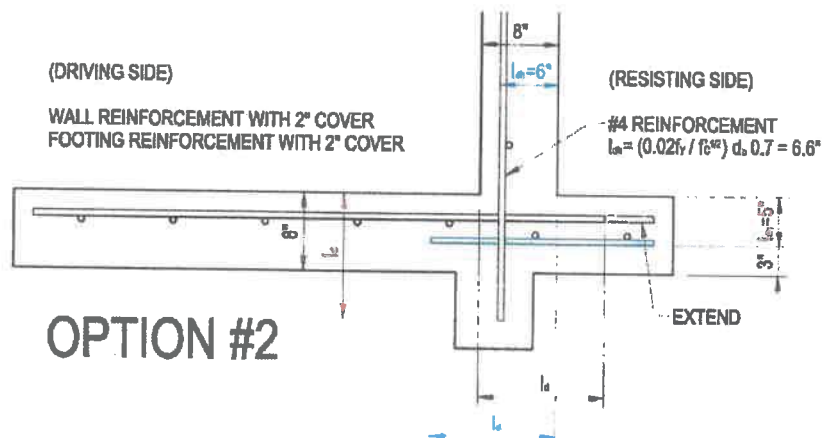
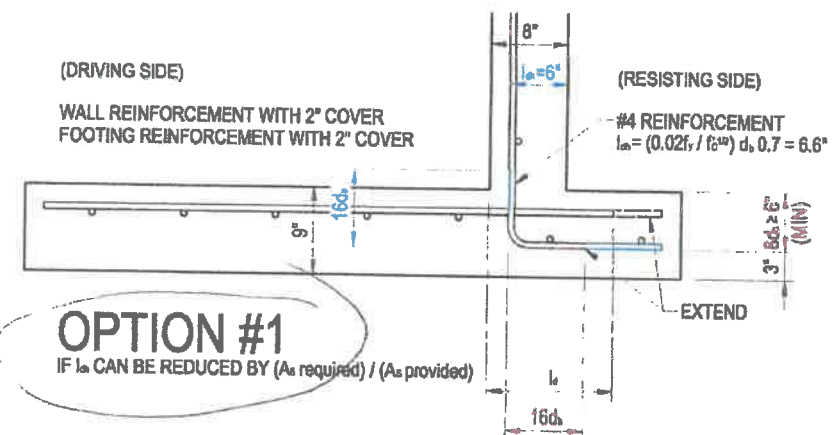
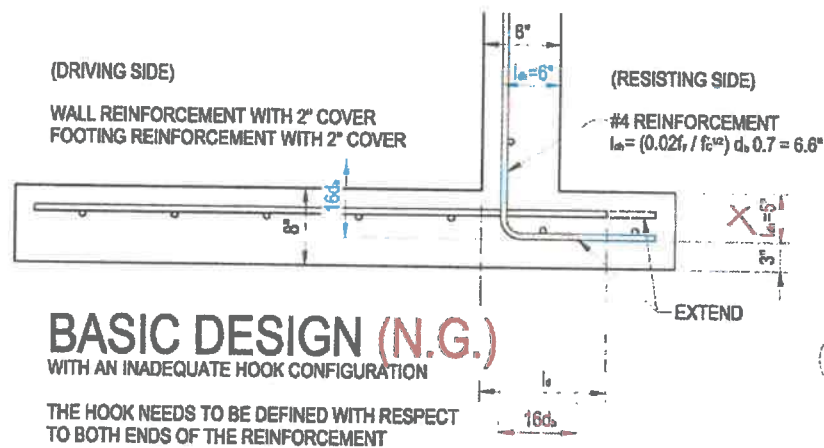


Profile, Cross Sections, and Quantities

Project: SC Ditch Diversion Spillway
 Location: Jackson County

U.S. Department of Agriculture
 Natural Resources Conservation Service

Designed: <u>VF</u>	Approved by: _____
Drawn: <u>NRCS Standard Dwg.</u>	Title: _____
Traced: _____	Sheet No. _____
Checked: _____	Drawing No. _____



8" CANTILEVER RETAINING WALL WITH #4 REINFORCEMENT

$$f_y = 60,000 \text{ lb/in}^2 \quad f_c = 4000 \text{ lb/in}^2$$

REINFORCEMENT AROUND OPENINGS



MEMBER THICKNESS	TIE BARS	EDGE BARS	CORNER BARS
<9"	NONE	1 @ CENTER	2 - #4 (CTR)
9" - 18"	NONE	2 (1-EF)	4 - #4 (2-EF)

Omit edge and tie bars along sides of openings where dimension is less than 18".
 Omit corner bars if both dimensions of opening are less than 18".
 Omit corner bars at sides of openings adjacent to floors, walls, or beams.

Certification of Conservation Practice Completion

Project Name & Location: SC Ditch Headgate		Inspection Date: 9/18/18
Project Owner/Sponsor: Luann Schellhaas	Address:	
Contractor: Wamsley Construction	Address:	

Units of Practice(s) Installed: **Installed units match the preliminary design estimate and final design.**

(Attach location sketch, survey notes, measurements, computations & any other relevant supporting data)

★ *To the best of my knowledge and belief all work included in this project has been substantially completed in compliance with design requirements, final plans, specifications, and any or all other applicable contract requirements, except as noted below.*

Exceptions: ☐ Yes, as noted below or on attachment ☒ None

★ *Headgate structure and gate dimensions are as shown on plans.*

★ *The rock chute is shorter, and narrower on the downstream end, than shown on design, but the sides are higher, and overall rock thickness is greater. Rock chute will function properly as installed. There is also an armored overflow section adjacent to the chute, and rock was placed at the inlet and outlet of headgate structure.*

AFFIX PROFESSIONAL
REGISTRATION SEAL
(if applicable)

Name of Firm or Agency: NRCS	Address: 1475 Pine Grove, St. 201A Strmbt Spgs, CO 80487	
Name of Certifying Individual: <i>Vance Fulton</i>	Title: Engineering Technician	Date: 9/20/18
Signature of Certifying Individual: <i>Vance Fulton</i>		

The exceptions noted above were completed on _____ date

Name of Firm or Agency:	Address:	
Name of Certifying Individual:	Title:	Date:
Signature of Certifying Individual:		

☒ Original to File
Copy contracto









Task 1 – Old SC Ditch Improvements

Bid for Old SC Ditch Headgate

RLW Enterprises Richard L Wamsley

Mobilization Demobilization Truck 22hrs \$125 = \$2750

Rock = \$8,000

Geotextile = \$1,000

Remove old gate divert flow 13hrs \$165 = \$2145

Digging for headgate 8 hrs \$165 = \$1320

Backfill material = \$2300

Backfilling 12 hrs \$165 = \$1980

Compaction backhoe 10 hrs \$105 = \$1050

Installing rock exc. dozer/loader 27hrs = \$4,455

Total = \$25,000

JORDAN CONCRETE

ESTIMATE

Attention: LuAnn Schellhaas

970-619-1944
crossroadshorsemin@m
e.com

Date: 10/30/17

641 Cr 30B
Walden, Co 80480

Project Title: Old SC Ditch
Project Description: Water Diversion
Concrete structure labor and materials (no ditch work)

Description	Quantity	Unit Price	Cost
Concrete structure			\$26,270.00
Gate			\$ 8,150.00
Mounting Gate			\$ 1,250
Subtotal			\$35,670.00
Total			\$35,670.00

Thank you for your business.

BJ Jordan

Task 1 Cost Estimate: \$25,000 + \$35,670 = \$60,670



Prepared Date: May 9, 2018

Name of Grantee: Owl Mountain Partnership

Name of Project: Old SC Ditch Improvements

Project Start Date: July 10, 2018

Project End Date: June 1, 2021

PAGE 1 OF 1

DMP ADMINISTRATION

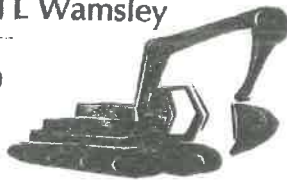
3212.96
Landowner
29,387.04
NRCS

RLW Enterprises- Richard L Wamsley

3465 CR 11

Walden CO 80430

970-531-3313



INVOICE

ORDER NO.

INVOICE DATE

DATE SHIPPED

SHIPPED VIA

NO. PCS.

WT.

FOB

TERMS

Sept 18-18

SOLD TO

SHIPPED TO

Lu Ann Schellhaas
Walden Colo. 80480

QUANTITY

UNIT

DESCRIPTION

UNIT PRICE

TOTAL PRICE

Old SC Ditch Headgate

Rip Rap Rock
Geotextile

8,000
1,000

Mobilization - Demobilization

\$2750

Remove old Headgate - Divert Flow

\$2145

Digging For New headgate

\$1320

Backfill Material

\$2300

Backfilling

\$1980

Compaction

\$1050

Building Rock Dam - chute

\$4455

total

=

\$25,000

JORDAN CONCRETE, LLC

INVOICE

Attention: Don Schellhaus

970-819-1944
bjjchm@gmail.com

Date: 9/6/18

641 Cr 30B
Walden, CO 80480

Project Title: Old SC Ditch
Project Description: Water Diversion

Concrete structure labor and materials (no ditch work)

Description	Sq Feet	Unit Price	Cost
Concrete			\$ 3,500.00
Rebar			\$ 1,100.00
Rentals			\$ 1,500.00
Skid Steer Work			\$ 3,000.00
Gate			\$ 8,150.00
Mounting Gate			\$ 1,250.00
Labor			\$17,170.00
		Subtotal	\$35,670.00
		Tax	\$ 0.00
		Total	\$35,670.00

We appreciate your business.

BJ Jordan, Owner Operator of Jordan Concrete



OWL MOUNTAIN PARTNERSHIP

P.O. Box 737

Walden Colorado 80480

September 25, 2018

Colorado Water Conservation Board
1313 Sherman Street
Room 718
Denver, Colorado 80203

Reference Purchase Order: POGGI,PDAA,201900002014

INVOICE

Old SC Ditch Grant Administration
\$1,686.00

A handwritten signature in cursive script, reading "K. Silverberg". The signature is written in dark ink and is positioned above the printed name.

Kendall E. Silverberg
Administrator for OMP