Change Order

No. 2

Date of Issuance: 2/15/2013 Effective Date: Date of Contract Extension Amendment

Project: Pilot Scale Sediment Augmentation Mgmt. Action	Owner: PRRIP	Owner's Contract No.:
Contract: Schedule A – Cottonwood Ranch		Date of Contract: 07/16/2012
Contractor: Jim Ostgren Construction Company, Inc.		Engineer's Project No.:PRRIP-2009-02

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Under Bid Item A-2, ADD 30,000 CY at the Contract Unit Price of $1.85 per CY. Additional work shall be conducted in accordance with the Contract Documents including the Agreement and subsequent change orders.

Attachments (list documents supporting change):

1. Attachment 1 including Figure 1.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:	Original Contract Times: ☐ Working days ☒ Calendar days
$ 98,000.00	Substantial completion (days or date): December 1, 2012.
	Ready for final payment (days or date): December 15, 2012.
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. 1:	[Increase] [Decrease] from previously approved Change Orders No. 1 to No. 1:
	Substantial completion (days): 0
$ 18,500.00	Ready for final payment (days): 0
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
	Substantial completion (days or date): December 1, 2012.
$ 116,500.00	Ready for final payment (days or date): December 15, 2012.
[Increase] [~~Decrease~~] of this Change Order:	[Increase] [~~Decrease~~] of this Change Order:
	Substantial completion (days or date): to March 15, 2013
$ 59,700.00	Ready for final payment (days or date): to April 1, 2013
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
	Substantial completion (days or date): N/A
$ 176,200.00	Ready for final payment (days or date): April 1, 2013

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Engineer (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Date: _____	Date: _____	Date: _____

Approved by Funding Agency (if applicable):

PILOT SCALE SEDIMENT AUGMENTATION MANAGEMENT ACTION
SCHEDULE A – COTTONWOOD RANCH

CHANGE ORDER NO. 2 – ATTACHMENT 1

Change Order No. 2 addresses Option A Work (Phase 2 – Spring 2013) under the above Contract. This attachment to Change Order No. 2 describes the modifications or additions to the Contract Documents applicable to the Phase 2 Work.

1. CONTRACT UNIT PRICES

OPTION A – COTTONWOOD RANCH UNIT PRICES						
Item No.	**Item**	**Unit**	**Estimated In Place Quantity**	**Unit Price**		**Total Extended Price**
Opt. A-1	**Mobilization and Site Preparation/Demobilization**	**LS**	**1**	**$ 3,000.00**		**$ 3,000.00**
Opt. A-2	**Sediment Augmentation (Excavate/Push)**	**CY**	**30,000**	**$ 1.85**		**$ 55,500.00**
Opt. A-3	**Site Restoration**	**LS**	**1**	**$ 1,200.00**		**$ 1,200.00**
	Option A Total Price					**$ 59,700.00**

2. SECTION 01 11 00 – GENERAL REQUIREMENTS

Replace Paragraph 1.02 PROJECT SCHEDULE with the following:

- March 1, 2013 (or effective date of Change Order No. 2, whichever is sooner) – Project Start.
- April 1, 2013 – Final Completion Date

3. SECTION 01 22 15 – MEASUREMENT AND PAYMENT

Under Paragraph 1.02 BID ITEMS, subparagraph B:

Measurement and payment shall be the same as the corresponding Bid Items in the Agreement with the following additions:

Measurement and payment for Item No. Opt. A-2, Sediment Augmentation (Excavation/Push) shall be as described for Item A-2 under the original Contract and shall be applicable to the revised excavation and augmentation plan indicated on Figure 1 (attached). The Engineer conducted a pre-construction survey on February 13, 2013 to establish pre-construction elevations. If conditions at the site change significantly prior to start of Phase 2 construction, additional surveys may be conducted by the Engineer. These surveys do not relieve the Contractor of responsibility for conducting construction surveys to ensure the work meets design requirements and to verity Contract quantities.

The contractor shall be responsible for verifying construction quantities as the work progresses and shall provide weekly updates of the quantity of material excavated and augmented to ensure that Contract quantities are not exceeded without prior approval of the Engineer. Engineer will conduct a post-construction survey to verify construction meets design requirements and to verify Contract quantities.

4. SECTION 31 23 99 – SEDIMENT AUGMENTATION

Replace Paragraph 3.05 PLACEMENT OF AUGMENTATION MATERIAL, subparagraph A, with the following:

A. Option A - Cottonwood Ranch

1. The following conditions were used in the design of the revised Option A work.

    a. Augmentation of a total of 80,000 CY under Schedule A (Phase 1) of the original Contract and Option A (Phase 2). The Contract quantity under Schedule A, which was completed in the fall of 2012, was 40,000 CY. An additional 20,000 CY in excess of the Contract quantity was augmented during Phase 1 construction. The Contractor has been compensated, under Change Order No. 1, for half of the excess material (10,000 CY) for a total Schedule A quantity of 50,000 CY.
    b. The remaining 10,000 CY of augmentation placed in the fall of 2012 will be compensated under the Phase 2 work.
    c. Augmentation of an additional 20,000 CY of sediment will be conducted in spring 2013. This will bring the total Phase 1 and Phase 2 augmentation quantity to the 80,000 CY identified in the original design for these phases.
    d. Augmentation material to be obtained onsite by constructing a new channel generally along the south edge of the original source area and identified on Figure 1 of this attachment.
    e. Augmentation material will not require processing to manipulate gradation.

2. Augmentation material from the source areas (new channel construction) identified on Figure 1 shall be pushed or otherwise excavated and placed in the three areas (islands) identified on Figure 1 and/or as directed by the Engineer in the general vicinity of those areas.
3. Orientation of the augmentation material will generally be as indicated on Figure 1; however, adjustments to the orientation may be required as directed by the Engineer. In general, augmentation shall proceed as follows:

    a. Starting at the downstream end of the new channel, material shall be removed from new channel construction area (source area) and placed in the augmentation areas (islands).
    b. Contractor shall continue working upstream until the design elevations are achieved in all sections of the newly constructed channel.
    c. Contractor shall not open the newly constructed channel to the river until all excavation has been conducted (with the exception of that material needed to prevent river flows from entering the excavated channel) and the channel has been surveyed to verify elevations and quantities.
    d. Approximate channel dimensions and cross-sections are indicated on Figure 1.
    e. Unless otherwise directed by the Engineer, augmentation area (islands) elevations should be constructed to approximately two to three feet above the average low-water surface elevations in the river. Current low-water elevations are approximately 1179’ at the west end of the new channel and 1176’ at the east end.

g. Unless otherwise directed by the Engineer, all material will be placed in the river in the location of the islands indicated on Figure 1.

4. Islands shall be graded at completion of the work to provide a relatively smooth, rounded finished surface at the approximate elevations identified above. Ruts, tracks, and piles greater than six inches difference from adjacent areas shall be leveled unless otherwise approved by the Engineer.

NOTES:

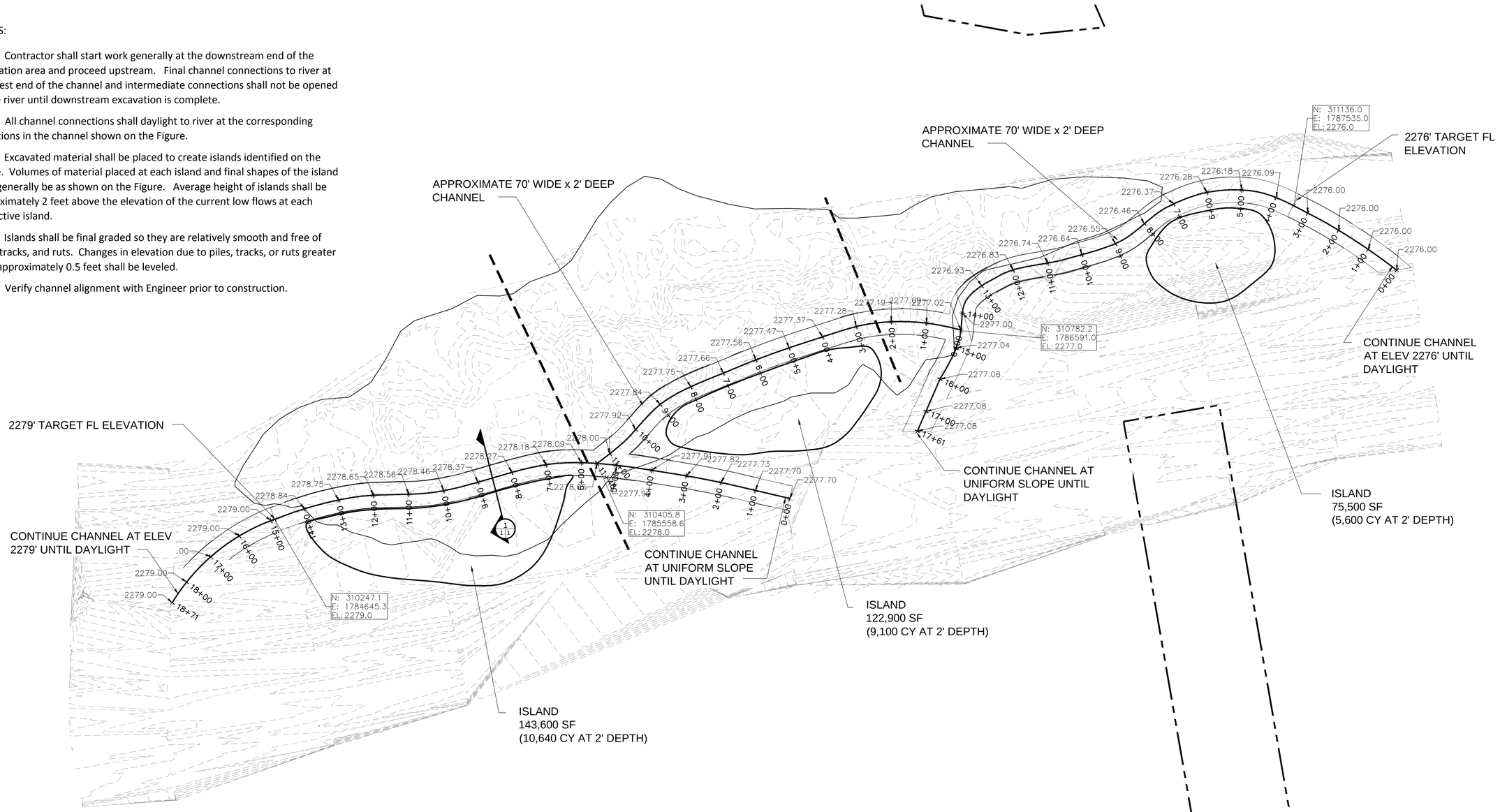
1. Contractor shall start work generally at the downstream end of the excavation area and proceed upstream. Final channel connections to river at the west end of the channel and intermediate connections shall not be opened to the river until downstream excavation is complete.

2. All channel connections shall daylight to river at the corresponding elevations in the channel shown on the Figure.

3. Excavated material shall be placed to create islands identified on the Figure. Volumes of material placed at each island and final shapes of the island shall generally be as shown on the Figure. Average height of islands shall be approximately 2 feet above the elevation of the current low flows at each respective island.

4. Islands shall be final graded so they are relatively smooth and free of piles, tracks, and ruts. Changes in elevation due to piles, tracks, or ruts greater than approximately 0.5 feet shall be leveled.

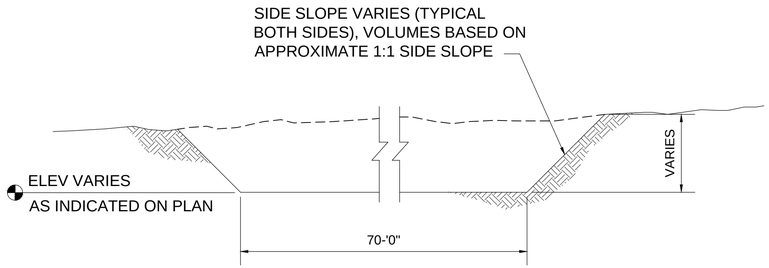
5. Verify channel alignment with Engineer prior to construction.



COTTONWOOD RANCH TOPO PLAN

150' 0 150'

NOTE: Surveyed by Miller Associates on 11/15//2012



1/1 TYPICAL CHANNEL SECTION
NO SCALE

REVISIONS

NO.	DATE	BY	DESCRIPTION

SEAL

PROFESSIONAL CIVIL ENGINEER
RICHARD J. KRUSHENSKY
E-9059
STATE OF NEBRASKA

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
SEDIMENT AUGMENTATION PILOT SCALE MANAGEMENT ACTION

DAWSON AND PHELPS COUNTIES, NEBRASKA

COTTONWOOD RANCH PHASE II CHANNEL SITE PLAN

THE FLATWATER GROUP INC.

The FLATWATER GROUP Inc.
8200 Cody Drive, Suite A
Lincoln, NE 68512
402-435-5441

DATE	FEB 2013
DESIGNED BY	RJK
DRAWN BY	Staff
CHECKED BY	TER, RJK
PROJECT NUMBER	PRRIP
SCALE	AS SHOWN
SHEET NUMBER	1