




LOWER PLATTE SOUTH
natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: July 9, 2024
To: Water Resources Subcommittee
From: Drew Ratkovec, Projects Coordinator 
Subject: Water Resources Subcommittee Meeting Minutes – July 2024

The Water Resources Subcommittee met on Tuesday, July 9, 2024, at the NRD Office, at 5:30 pm to take action on two items. Subcommittee members participating included Deborah Eagan- filling in as committee chair, Melissa Baker, Gary Hellerich, Luke Petersen, and Mark Spangler. Others participating included Board Chair David Landis, Director Greg Osborn, NRD Staff Mike Sousek, and myself. Director Eagan called the meeting to order at 5:30 pm. A quorum was present for the meeting.

A. Consideration of Amendment No. 3 – Piening Water Quality Basin [ACTION]–

Drew Ratkovec, Projects Coordinator presented background information on the work that has been completed and is currently ongoing with the Piening Water Quality Basin. In March, the NRD hired a contractor to clear trees out of the flood pool. Since then, staff has been working with Schemmer Associates Inc. to finalize the plans and specifications, which are currently under review by NeDNR. Most recently, Schemmer produced a proposal for Amendment No. 3 for Professional Services while in the construction phase. This amendment will be for construction inspection/administration, staking, and material testing for an assumed 150-day construction schedule. The NRD has a good working relationship with Schemmer and would like to continue working with them on this project. Amendment No. 3 is for \$165,239.80. Questions were answered about the history of the Piening Water Quality Basin, the watershed, and the amended contract. Summary of the project information below:

- Work Type: Professional Services – Dam Structure construction administration
- Budget: Included in FY 25 Budget
- Funding: NRD
- Proposal: \$165,239.80 – Schemmer Associates Inc.
- Start: Upon NeDNR approval of plans and specifications
- Completion: December 2024/FY25 (depending on the approval process)
- Bid Using Unit Prices and hourly rates
- Delays: Plan and Specification Review Process
- Payers, players, & Partners: NRD, Schemmer
- Deliverables: Project management, inspection, testing, staking, project closeout

It was moved by Hellerich, seconded by Peterson, and approved 4-1 (Spangler voting no) by the Subcommittee to recommend that the Board of Directors approve Amendment No. 3 proposal of \$165,239.80, by Schemmer Associates Inc., for the Piening Water Quality Basin.

B. Consideration of the Bundy Wetland Bank Credits for Piening Water Quality Basin [ACTION]–

Drew Ratkovec, Projects Coordinator gave an overview of the Bundy Wetland Bank Credits Application. There will be permanent stream impacts during the construction of the Piening Water Quality Basin. As part of the

special conditions of the Army Corp permit, the NRD will have to buy credit for all permanent stream impacts. The NRD will debit 519.10 stream units from the bank's site ledger. The total credit price would be \$51,910.00. The Bundy Wetland Bank Phase III site is located northeast of Ashland, NE. Questions were asked regarding the site and the reason for purchasing the credits.

It was moved by Hellerich, seconded by Petersen, and approved 4-1 (Spangler voting no) by the Subcommittee to recommend the Board of Directors approve the Bundy Wetland Bank Phase III Application for Credit for \$51,910.00 from the Bundy Family Partnership.

Mike Sousek, General Manager provided an update on the Deadman Run Project.

The meeting adjourned at 5:54 pm.

Enclosures.

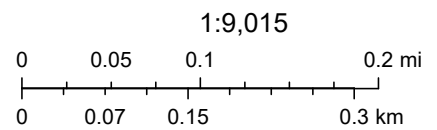
cc: Dave Landis
Corey Wasserburger

Piening Water Quality Basin

A.



1/26/2024



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Piening Dam Watershed, Lancaster County

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A.

4-17-24

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AMENDMENT NO. 3
 To AGREEMENT for PROFESSIONAL SERVICES
 Between THE SCHEMMER ASSOCIATES INC. and LOWER PLATTE SOUTH NRD
 Piening Dam Design Refresh and Permitting
 Project No. _____

This Contract Amendment is made by and between The Schemmer Associates, Inc. hereinafter called SCHEMMER, and the Lower Platte South NRD, hereinafter called LPSNRD, this _____ day of _____, 2024.

WHEREAS, it is the mutual desire of the parties hereto to amend an agreement approved by the LPSNRD Board of Directors on December 14, 2022 and executed by the LPSNRD General Manager on December 22, 2022 hereinafter called the existing Agreement.

NOW THEREFORE, it is hereby agreed that the existing Agreement be amended as follows:

Additional Work:

Construction administration, inspection, construction survey and material testing (See Attached for detailed scope of work)

Additional Fee:

Existing Agreement Fee:	\$136,916.00
Amendment #1:	\$13,375.00 (approved 9/28/23)
Amendment #2:	\$4,708.75 (approved 2/26/24)
Amendment #3:	\$165,239.80
Total Agreement:	\$320,239.55

This AMENDMENT shall be deemed a part of and be subject to all terms and conditions of the existing Agreement. Except as modified above, the existing Agreement shall remain in full force and effect.

LPSNRD

 General Manager, LPSNRD

By: 

 The Schemmer Associates, Inc.

Scope of Services

Piening Dam Construction Inspection/Administration, staking, material testing

PROJECT DESCRIPTION:

- a. The project consists of construction of an earthen embankment dam with a poured concrete principal spillway riser. Construction schedule is as follows:
 - 150 Calendar Days from NTP

TASK 1. Project Management

- a. Project Management – General oversight of project, client contact, reports, and invoicing.
- b. Change Orders – Develop up to two change orders during construction of the project.
- c. Preconstruction Meeting – Prepare for, schedule and conduct a pre-construction meeting.

TASK 2. Construction Inspection

- a. Attend bi-weekly progress meetings on-site (11 meetings estimated)
- b. Review of project plans and specifications
- c. Provide part time inspection during construction of key elements of the dam and spillway elements, estimated to be 8 hours per day for three days a week during the 150 calendar day project including travel time.
- d. Notification to the Owner and contractor upon discovery of non-compliance issues, unsatisfactory, faulty or defective work that does not conform to the construction documents
- e. Upon the request of the contractor and through coordination with Owner and design engineer, provide clarifications to the construction documents
- f. Confirm that material used in construction complies with the contract documents, through appropriate needs, such as testing and observation. This includes evaluation and testing of soils used in trench backfill.
- g. Complete daily work reports documenting the work completed for each day on-site inspection has occurred.

TASK 3. Materials Testing

- a. Sample on site soils and complete laboratory standard proctor tests (2 tests estimated)
- b. During placement of dam embankment, on site construction inspector will perform compaction testing with nuclear density gauge. (no separate trip charges assumed)
- c. Sample concrete during principal spillway riser construction and pipe cradle and test for slump, air content, and cast cylinders for strength testing. Provide laboratory compressive strength tests. (2 tests estimated)
- d. Complete and issue report of materials test results


TASK 4. Project Closeout

- a. Prepare a list of items requiring completion and/or correction. Monitor contractors progress in completing and/or correcting listed work items
- b. Prepare and submit substantial and final completion notices to Owner
- c. Prepare marked-up as built drawings in pdf format

TASK 5. Construction Staking

- d. Verify/Calibrate to horizontal and vertical control on site.

- e. Provide no more than six Grading Control Points at desired locations with NEZ.
- f. Establish centerline alignments.
- g. Stake the locations of the following as needed.
 - Silt Fence
 - Barbed Wire Fence & Gates
 - Limits of Borrow Area
 - 24" Principal Spillway Pipe
 - 10" PVC
 - 6" Slotted PVC Drain
 - Concrete Pipe Support
 - Plunge Pool
 - Seepage Protection
 - Hinge points and toe of Dam and Emergency Spillway every 50-feet on straight aways and 25-feet on curves
 - Upstream Crossing (Hinge points and toe of slope along with 36" RCP).
- h. Verify top of Dam Elevation

 Fee Estimate Design with Purpose. Build with Confidence.									
Piening Dam Administration, Inspection, Staking and Material Testing									
June 10, 2024									
Task NO.	TASK DESCRIPTION	PRIN	SEN ENG	CON PROJ MGR	PROJ REP	LAB TECH	ADMIN SUPP	TOTAL PER TASK	Task Cost
1.0	Project Management								\$ 13,745.00
A.	Project Management	7	17	44	4			72	
2.0	Construction Inspection								\$ 89,865.00
A.	Meetings			22	22			44	
B.	Review of Plans			4	8			12	
C.	Inspection			33	528			561	
D.	Notify Contractor and Developer of Issues			8	8			16	
E.	Plan Clarification Through Design Engineer		8	4				12	
F.	Confirm Materials Comply				20			20	
G.	Daily Work Reports			16.5	66			82.5	
H.								0	
I.								0	
3.0	Materials Testing								\$ 4,260.00
A.	Sample Soils and Run Proctor				2	10		12	
B.	Compaction Testing of Dam Embankment							0	
C.	Concrete Tests				4	2		6	
D.	Complete and Issue Materials Reports				24			24	
E.								0	
F.								0	
G.								0	
				Project					
4.0	Project Closeout								\$ 2,820.00
A.	Prepare List of Corrections			2	12			14	
B.	Submit Substantial and Final Completion			2	1			3	
C.	Prepare Electronic As Built Drawings			1	4			5	
								0	
5.0	Construction Staking (see separate spreadsheet)								\$ 47,621.30
	Reimbursables								
A.									
B.	Mileage								\$ 6,927.80
	TOTALS	7	25	136.5	703	12	0	883.5	
									\$ 165,239.10

**BUNDY WETLAND BANK PHASE III
APPLICATION FOR CREDIT**

Applicant/Project Name Lower Platte South NRD Piening Water Quality Basin

Address 3125 Portia St. City/State Lincoln, NE Zip Code 68521

Applicant Representative Mike Sousek, General Manager

Applicant Phone/Email 402-476-2729 msousek@lpsnrd.org

Impacted Wetland/Stream Location: County Lancaster Sec., Township, Range S30, T11, R5

404 Permit # NWO-2005-11212-WEH (Attach permit if applicable.)

Mitigation Wetland Acres (credits) & Type (Cowardin/NE Subclass): _____

Mitigation Stream Units & Type (Perennial, Intermittent, Ephemeral): Perennial Waterway

Bank Price Per Wetland Credit: \$55,000

Bank Price Per Stream Unit: \$100

Total Credits/Units Applied For: 519.10

Total Price (\$): \$51,910.00

Optional 10% Non-refundable Deposit (\$): _____

The undersigned does hereby apply for Bundy Wetland Bank credits/units and agrees to pay the total price indicated above. A 10% nonrefundable deposit will hold credits/units for 12 months. A signed application will initiate the purchase of wetland credits or stream units. Once the full payment is received a receipt of purchase and Certificate of Wetland/Stream Credit Purchase will be returned to the applicant. Following the transaction, the Bundy Wetland Bank will submit an updated wetland bank ledger to the U.S. Army Corps of Engineers project manager.

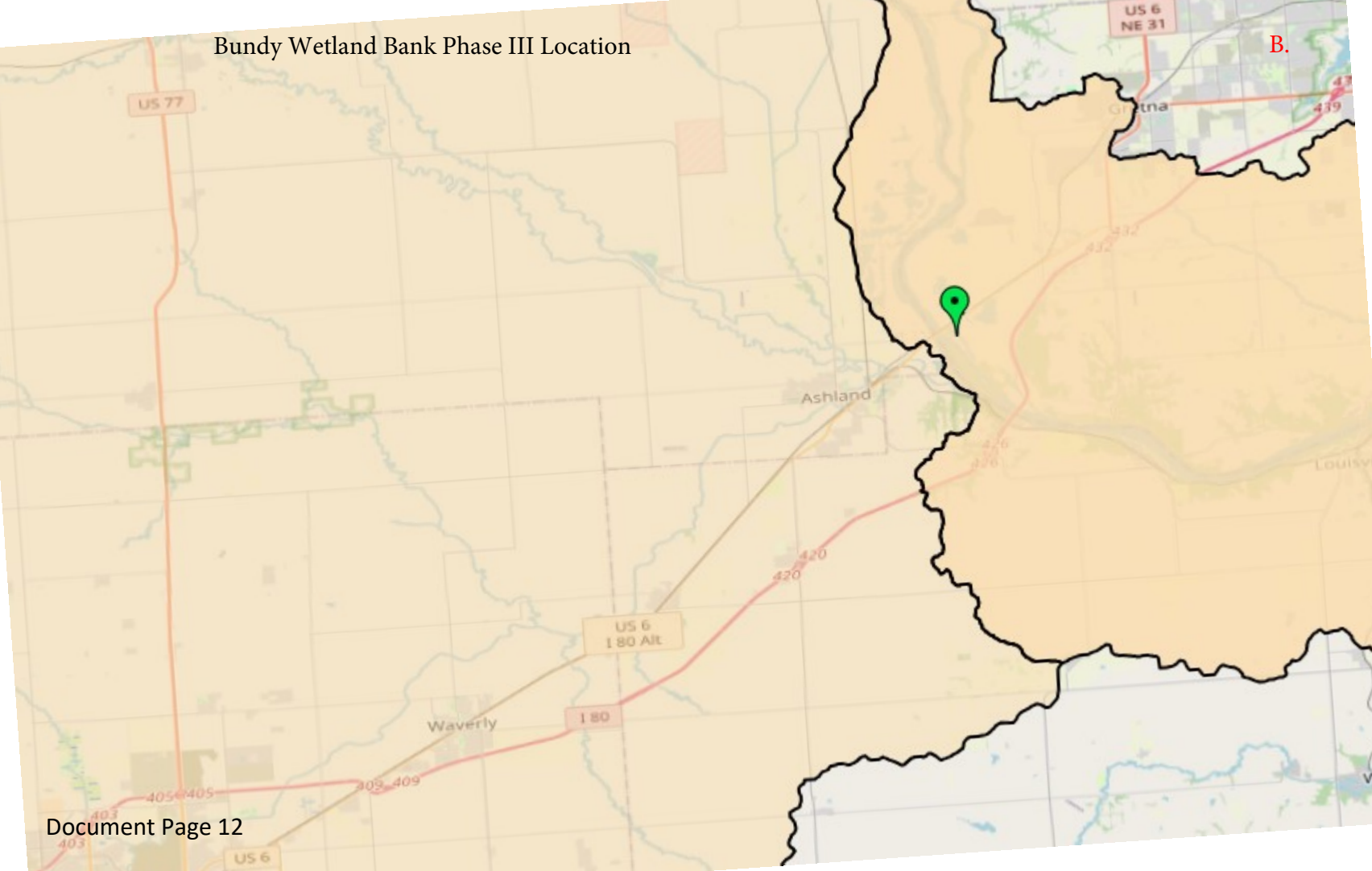
Please submit the application and payment to Robert L. Bundy Family Partnership, Attn: Dan Bundy, 16906 S. 255th Street, Gretna, NE 68028.

Applicant Signature _____ Date _____

Title _____

Approved by _____

Bundy Wetland Bank Phase III Location



B.