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RAPID CITY, SD 57701
605-394-2685**

WWW.WESTDAKOTAWATER.COM

**WEST DAKOTA WATER DEVELOPMENT
DISTRICT MEETING PACKET FOR TUESDAY,
JANUARY 13, 2026 3PM REGULAR MEETING
RAPID VALLEY SANITARY DISTRICT
(LARRY D. STETLER, ADMIN)**

1. Pledge of Allegiance. (Chair)
2. Roll Call of Members (Admin)
3. Approval of Agenda (The board cannot take official action on any item not on the agenda) (Chair)
4. Conflict of interest disclosure. (Admin)
5. Election of Officers (SD codified law 46A-3B-11) (Admin)
 - Chairperson (must be director; 1 year term)
 - Vice Chairperson (must be director; 1 year term)
 - Secretary (must be director; 1 year term)
 - Treasurer (may or may not be director; serves at pleasure of the board)
6. Approval of minutes from December 09, 2025 meeting. (chair)
7. Designate official newspapers (SDCL 46A-3D-11) (Chair)
 - Hill City Prevailer (current)
 - Wall Courant (current)
8. Treasurer's report (Koth)
9. Information: 319 project update (Mack)
10. BOR WaterSmart grant 1-yr no cost extension (Mack)
11. Information: Pennington Conservation District obligation removal from ledger (Mack)
12. Discussion of meeting recording equipment (Mulally)
13. Request: funding for The Ranch at Black Gap pond reclamation project (Witkop)
14. Information: Update from erosion control committee (Driscoll and erosion control committee)
15. Request: a) funding of up to \$25,000 for continuation of Star Village erosion control project with the City of Rapid City and Tzadik Property Management (Driscoll and erosion control committee).
b) Request: funding of up to \$5,000 for collaborative erosion control project at the LaCroix Golf Course (Driscoll and erosion control committee)
16. Motion to enter Executive Session (SDCL 1-25-2): Discussion of attorney opinion (Chair)
Motion to exit Executive Session
17. Chair's comments.
18. Items from directors.
19. Items from admin.
20. Items from public.
21. Adjournment

AGENDA ITEM 1. Pledge of Allegiance. (Chair)

AGENDA ITEM 2. Roll Call of Members (Admin)

AGENDA ITEM 3. Approval of Agenda (The board cannot take official action on any item not on the agenda) (Chair)

AGENDA ITEM 4. Conflict of interest disclosure. (Admin)

Any directors with a conflict of interest for any agenda item will so state.

The WDWDD bylaws were amended on 12 Feb 2019 to include defining conflict of interest disclosure as follows:

ARTICLE V – DISCLOSURE OF CONFLICT OF INTEREST

Any director who is present at a meeting at which is discussed any matter in which that director has, directly or indirectly, a private financial or property interest shall disclose such interest to the Board. Any such director shall refrain from advocating for or against the matter and shall disqualify himself/herself from voting on such matter. The Board may adopt a separate policy specifically, regarding ethical standards and practices.

AGENDA ITEM 5. Election of officers (SD codified law 46A-3B-11) (Admin)

46A-3B-11. Officers of board of directors. At the first meeting in January of each year, designated as the annual meeting of the water development district, the directors shall elect a chair, a vice chair, and a secretary from among their membership. The officers shall hold office until the next annual meeting of the water development district or until their successors have been elected. In addition, the directors shall appoint a treasurer who may or may not be a director and who shall serve at the pleasure of the board of directors or until a successor is appointed. The treasurer shall be bonded in such amounts and with such sureties as the directors may specify, conditioned on faithful performance of the treasurer's duties. The chair, vice chair, secretary, and treasurer constitute the officers of the board of directors. The treasurer, if not a director, has no voting privileges.

- Chairperson (must be director; 1 year term)
- Vice Chairperson (must be director; 1 year term)
- Secretary (must be director; 1 year term)
- Treasurer (may or may not be director; serves at pleasure of the board)

It's the decision of the board on how to conduct the elections. In the past when there were new directors, it was done by written ballot.

AGENDA ITEM 6. Approval of minutes from December 09, 2025. (chair)

Approval of minutes from December 09, 2025 meeting in blue. (chair)

An audio recording for this meeting is available at www.westdakotawater.com

CALL TO ORDER: The West Dakota Water Development District (WDWDD) convened at 3:00 PM (Mountain Time).

AGENDA ITEM 1. Pledge of Allegiance. (Chair) (3:00 PM)

AGENDA ITEM 2. Roll Call of Members. (Admin) (3:01 PM)

Directors present: Roy Boschee (Area 2), Dan Driscoll (Area 3), Dan Mulally (Area 5), William Young (Area 6), Thomas Mack (Area 7), Craig Kjar (Area 9), Mark Kline, 3:04PM (Area 8)

Directors absent: Ron Koth (Area 1), Scott McGregor (Area 4)

A quorum was declared.

Administration present: Larry Stetler (Program Administrator)

Others in attendance (as per sign-in sheet): Barry Muxen (CWA, BHEC, Sierra Club), Kristin Conzet (WDRWS)

AGENDA ITEM 3. Approval of Agenda (The board cannot take official action on any item not on the agenda) (Chair)

Motion 1 by Mulally seconded by Boschee to approve the agenda (with the following change(s)/addition(s)): 1) Kjar rewords item 15 as 'Discussion and vote on how to proceed on the Star Village project of the erosion control committee. 2) Mack requested via email from McGregor to postpone item 11 until January 2026.

Motion 1 carries unanimously on a voice vote. 3:09 PM

AGENDA ITEM 4. Conflict of interest disclosure. (chair)

0 conflicts stated:

AGENDA ITEM 5. Approval of minutes from October 14, 2025 meeting. (chair)

Motion 2 by Driscoll second by Young to approve minutes from October 14, 2025 meeting with the following change(s): none

Motion 2 carries unanimously on a voice vote. 3:12 PM

AGENDA ITEM 6. Treasurers Report (Chair)

Motion 3 by Kjar seconded by Kline to accept the treasurers report (with alterations listed below).

Sub-motion by Kjar seconded by Mulally requesting that Chairman Mack send a letter to Pennington Conservation District stating that the remaining funds of \$42,500 will be removed from the ledger in January 2026 unless WDWDD is notified.

Kjar stated that the \$101 remaining funds in 24_003 BARRX be removed from the ledger

That a category 'legal' for Non-Project expenses be listed in the ledger.

Motion 3 carries unanimously on a voice vote. 3:26 PM

AGENDA ITEM 7. Approval of Safety Guideline to be included on volunteer waiver form (Chair)

Motion 4 by Boschee seconded by Driscoll to approve that safety guidelines be added to the volunteer waiver form.

Motion 4 carries unanimously on a voice vote. 3:28 PM

AGENDA ITEM 8. Approve the 2026 WDWDD Meeting calendar (Chair)

Motion 5 by Driscoll seconded by Young to approve WDWDD 2026 meeting calendar with corrections below.

Kline: move July meeting to 14th

Young: move October meeting to 13th

Motion 5 carries unanimously on a voice vote. 3:32 PM

AGENDA ITEM 9. Approve payment for annual dues class C member of South Dakota Association of Rural Water Systems: \$550 (chair)

Motion 6 by Boschee seconded by Mulally to approve payment for annual dues class C member of South Dakota Association of Rural Water Systems in the amount of \$550.

Motion 6 carries unanimously on a voice vote.

AGENDA ITEM 10. Approval of payment for Western Dakota Regional Water Systems grant request: \$25,000 (Conzet)

Motion 7 by Driscoll seconded by Boschee to approve Western Dakota Regional Water Systems grant request in the amount of \$25,000.

Substitute motion by Mulally seconded by Young to postpone item to a later meeting to allow absent Directors to be present.

Amendment by Young to announce this as an agenda item at the January meeting.

Substitute motion: fails on voice vote (2 yes Mulally, Young)

Motion 7 carries unanimously on a voice vote. 3:58 PM

AGENDA ITEM 11. Discussion of ongoing attorney opinion evaluation (chair). Postponed until January 2026, see Agenda Item 3.

AGENDA ITEM 12. Discussion: of 319 project approval process (chair). Next step is to establish a meeting with DANR to discuss the proposal and next steps, stakeholders meetings, etc.

AGENDA ITEM 13. Information: Black Gap pond reclamation project (McGregor). No representative was present at the meeting.

Agenda Item 14: Discussion of continuation of meeting recordings, equipment and costs (Mulally). Mulally will research details w/external mics, etc. How will call-in work, interface w/Teams, Zoom. It was also requested to renumber Agenda to match packet order.

Agenda Item 15: Information: Star Village erosion control project (Driscoll and erosion control committee)

Reworded Agenda Item 15 (see Agenda Item 3): Discussion and vote on how to proceed on the Star Village project of the erosion control committee

Reported that Lacroix had soil delivered by Rapid City Parks and spread by volunteer firefighters. Erosion blankets and leaves were placed. Star Village had soil delivered by Rapid City Parks and leaves were spread.

Copies of the new project proposals were presented as the 1st read as part of the report by the erosion control committee.

Lengthy discussion followed regarding the wording and format of the proposals, budget lines, and development of a cover document clarifying the project setup and operation.

Motion 8 by Driscoll seconded by Boschee that the December 9 2025 meeting constitutes the 1st reading of the collaborative Star Village project and sub-proposals dated November 22, 2025 with Rapid City Parks and Tzadik. The project proposal will be a voting item during the January 2026 meeting contingent on the submittal by the erosion control committee of a cover document in the standard grant proposal format to which the aforementioned sub-proposals will be appended.

Motion 8 carries unanimously on a voice vote. 6:01PM

Agenda Item 16: Chair's comments. Chairman Mack will not run for WDWDD chair next year. He also noted that odd number directors expire Dec 2026. He will not be seeking re-election to the Directors.

Agenda Item 17: Items from directors.

Mulally noted that staff performance evaluations are due as stated in WDWDD policy. A brief discussion of Program administrator definitions was held.

Young reported that 5 state representatives visited project sites in the northern Black Hills. There will be a meeting at the Journey Museum on January 14, 2026 and showing of the riparian film series.

Driscoll reported that he discussed potential for providing donations with groups performing volunteer work in erosion projects and will submit requests for funds distribution.

Agenda Item 18: Items from admin. There is a new effort to request a 1-ye extension to the WaterSmart project that will require the request to come from WDWDD. The office received a request from WDRWS for letter of support. The email request will be forwarded to Chairman Mack.

Agenda Item 16: Items from public.

Agenda Item 17: Adjournment by Chairman Mack 5:21 PM

Respectfully submitted:

Larry D Stetler, Program Administrator

Craig Kjar, Secretary

AGENDA ITEM 7: Designate official newspapers (SDCL 46A-3D-11) (Chair)

- Hill City Prevaler (current)
- Wall Courant (current)

AGENDA ITEM 8: Treasurer's Report

Figure 1. Treasurer's Ledger Report; Figure 2. Projects Report; Figure 3. Project Timeline

Account	Total
Assets	
Current Assets	
Bank Accounts	
BHCB ASAP Transfers BOR Federal Grant Checking	100.00
BHCB BOR WaterSMART Grant - Match	19,070.81
BHC Business Savings	648.52
BHC Main Checking Account	4,324.46
BHC Savings-PennCo Levy Money Market	76,253.82
Total for Bank Accounts	\$100,397.61
Other Current Assets	
Raymond James CD 57203	0.00
Raymond James Savings Account	946,524.81
Total for Other Current Assets	\$946,524.81
Total for Current Assets	\$1,046,922.42
Total for Assets	\$1,046,922.42
Liabilities and Equity	

Activity YTD Comparison Jan1-Jan5 2026

West Dakota Water Development District
December 9, 2025-January 5, 2026

	TOTAL	
Account	↓ Dec 9 2025 - Jan 5 2026	Jan 1 - Jan 5 2026 (YTD)
▼ Non-Project Expenses		
Professional Admin Services Con...	2,500.00	-
Rents	1,000.00	500.00
Membership and Conferences	550.00	-
Admin/Office Expenses	73.67	-
Total for Non-Project Expenses	\$4,123.67	\$500.00
Total for Expenses	\$57,380.13	\$7,742.50
Net Operating Income (Period)	-\$49,091.82	-\$7,517.80
▼ Other Income		
Interest Income	2,458.11	2,458.11
Total for Other Income	\$2,458.11	\$2,458.11
Other Expenses	-	-
Net Other Income	\$2,458.11	\$2,458.11
Net Income	-\$46,633.71	-\$5,059.69

Accrual basis | Monday, January 5, 2026 01:14 PM GMT-07:00

Figure 1. Treasurers Ledger Report

WDWDD Project Assistance Summary, projectSummaryWdwdd.xlsx, LD Stetler	1/6/2026		
Name	WDWDD Proj. number	Grant Amount	current paid amount
			Balance remaining
2025 Projects			
2025 Western Dakota Hydrology Conf. (closed)	25_001 USGSX	\$2,000.00	\$2,000.00
2025 Earth Day Expo (closed)	25_002 EDAYX	\$1,000.00	\$1,000.00
Collaborative erosion control project SDSMT	25_003 SDMX	\$15,000.00	\$3,069.66
Collaborative erosion control project Cornerstone Mission	25_004 CRNSTX	\$5,000.00	\$1,575.08
			\$3,424.92
2024 Projects			
2024 Western Dakota Hydrology Conf. (closed)	24_001 USGSX	\$2,000.00	2,000.00
GFP Invasive Species Boat Inspections (closed)	24_002 GFPXX	\$20,000.00	\$20,000.00
Barr manage through the finalization of the BOR grant (closed)	24_003 BARRX	\$7,500.00	7,399.00
Barr Water Management Modeling of Deerfield/Pactola-system	24_004 BARRX	\$349,721.00	202,373.97
USGS Stream Gauges 2024-2027	24_005 USGSX	\$35,685.00	11,725.00
WDRWS Grant for Matching SWRMS (closed)	24_006 WDRWS	\$25,000.00	25,000.00
EPA Section 319 DANR Watershed Improvement Project	24_007 DANRX	\$133,333.00	0.00
			\$133,333.00
2023 Projects			
USGS Stream Gauges 2023 (closed)	23_001 USGSX	\$16,080.00	\$16,080.00
GFP Invasive Species Boat Inspections (closed)	23_002 GFPXX	\$20,000.00	\$20,000.00
Rotating Basins Rotation 2023 DANR (closed)	23_003 DANRX	\$26,500.00	\$26,500.00
2023 Western Dakota Hydrology Conf. (closed)	23_004 USGSX	\$2,000.00	\$2,000.00
WDRWS Grant for Matching SWRMS (closed)	23_005 WDRWS	\$25,000.00	\$25,000.00
Collaborative Project for Erosion Control Raider Park	23_006 RAIDE	\$15,000.00	\$8,693.70
Keystone Removal of Sediment Winter Street Bridge (closed)	23_007 KEYST	\$10,000.00	\$10,000.00
Barr BOR Grant Application Pactola/Deerfield Model (closed)	23_008 BARRX	\$8,538.00	\$8,538.00
Medicine Mountain Boy Scouts Watar (closed)	23_009 BOYSC	\$25,000.00	\$25,000.00
WaterSmart BOR Pactola/Deerfield Study (closed)	23_010 BORXX	\$100,000.00	\$0.00
USGS Stream Gauges 2024 (closed)	23_011 USGSX	\$16,450.00	\$16,450.00
			\$0.00
2022 Projects:			
USGS Stream Gauges 2022 (closed)	22_001 USGSX_21	\$15,760.00	\$15,760.00
Rotating Basins Rotation 2 DANR (closed)	22_002 DANRX	\$22,000.00	\$22,000.00
Rapid Creek Restoration Penn Conservation District	22_003 PCDXX	\$50,000.00	\$7,500.00
2022 Western Dakota Hydrology Conf. April. (closed)	22_004 USGSX	\$2,000.00	\$2,000.00
GFP Invasive Species Boat Inspections (closed)	22_005 GFPXX	\$20,000.00	\$20,000.00
Collaborative project for erosion contol Star Village, RC	22_006 STRRC	\$15,000.00	\$15,803.91
Collaborative project for erosion contol Star Village, Tzadik	22_007 STRTZ	\$9,000.00	\$2,536.35
			\$0.00
2020/2021 Projects:			
Trinity Eco Park Drainage Improvement (closed)	20_006 TRINI_20_AO	\$24,500.00	\$24,500.00
SDSMT Impervious Areas in RC (closed)	20_003 SDSMT_20_AO	\$24,871.00	\$20,965.57
USGS Stream Gauges (closed)	20_001 USGSX_19_AZ	\$15,600.00	\$15,600.00
USGS Water Quality Monitoring of Canyon Lake (closed)	20_002 USGSX_19_AO	\$18,000.00	\$18,000.00
Town of Keystone (closed)	20_007 KEYSTO_20_AO	\$25,000.00	\$25,000.00
Revegetation Exposed Soils on SDSMT (closed)	20_005 SDSMT_20_AO	\$24,800.00	\$24,800.00
Banner Next Steps for Missouri River Water (closed)	20_004 BANNE_20_AZ	\$24,500.00	\$24,500.00
Banner Missouri Water Needs Assessment task 1 (closed)	20_009 BANNE_21_AO	\$79,030.00	\$79,030.00
USGS Stream Gauges 2020 (closed)	20_010 USGSX	\$15,600.00	\$15,600.00
Green Valley Sanitary District (Interstate Engineering)	20_008 GVS DW_20_AO	\$125,000.00	\$0.00
2021 Western SD Hydrology Conf. (closed)	21_001 USGSX_21_AZ	\$1,000.00	\$1,000.00
GFP Invasive Species Boat Inspections (closed)	21_002 GFPXX_21_AO	\$10,000.00	\$10,000.00
Erosion Control Project at LaCroix Golf Course	21_003 RCXXX_21	\$12,000.00	\$12,442.57
Erosion Control of Exposed Soils N. of Star Village, Weger (closed)	21_004 STRWE_21	\$10,000.00	\$8,746.64
Erosion Control of Exposed Soils N. of Star Village, Tzadik (closed)	21_005 STRTZ_21	\$15,000.00	\$7,516.18
Repair of Living Lab SDSMT (closed)	21_006 SDSMT	\$5,000.00	\$4,336.52
Phase II TerraSite Inventory Impervious Areas in RC (closed)	21_007 TERRA	\$24,950.00	\$24,950.00
TOTAL PROJECT OBLIGATIONS			\$443,748.81

Figure 2. Projects Report. Shaded lines are currently active.

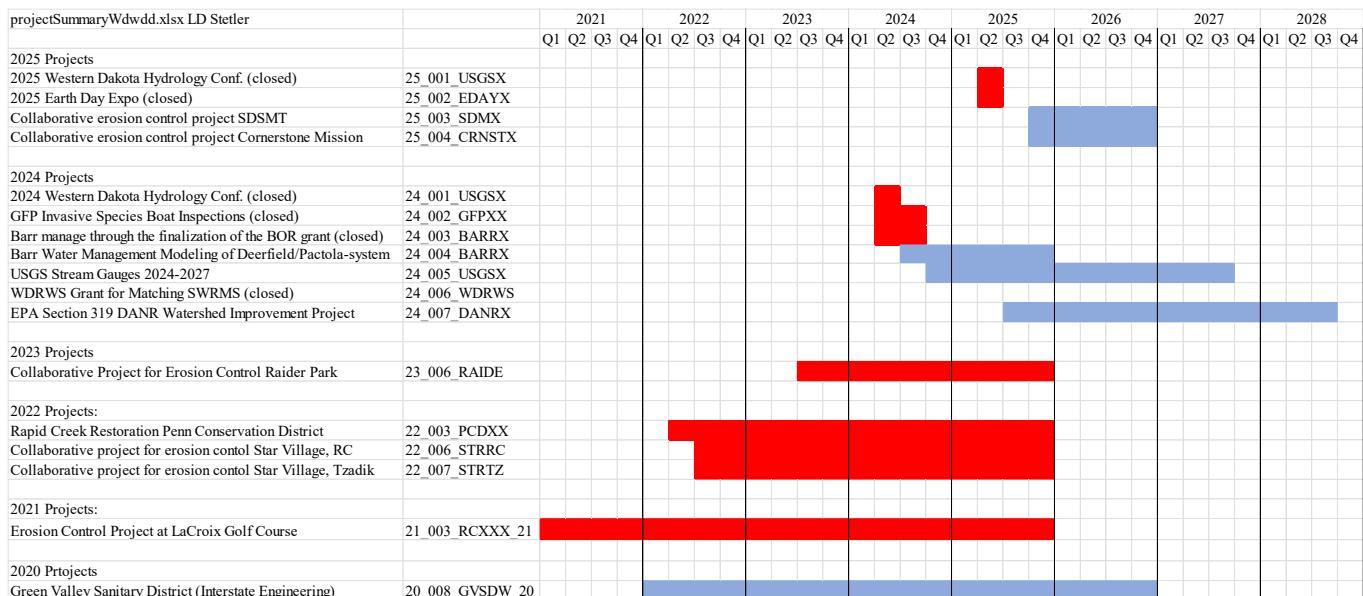


Figure 3. Project Timeline (Red = Closed).

AGENDA ITEM 9: Information: 319 project update (Mack)

AGENDA ITEM 10: BOR WaterSmart grant 1-yr no cost extension (Mack)

AGENDA ITEM 11: Information: Pennington Conservation District obligation removal from ledger (Mack)

AGENDA ITEM 12: Discussion of meeting recording equipment (Mulally)

AGENDA ITEM 13: Request: funding for The Ranch at Black Gap pond reclamation project (Witkop)

Grant Proposal for The Ranch at Black Gap: Community Pond Reclamation and Improvements – Revision B (12/1/2025)

Problem or Opportunity Statement

The Ranch at Black Gap community pond is a man-made stock pond constructed prior to community development, now repurposed as a recreational pond for residents. Originally, the pond measured approximately 194,600 square feet (4.5 acres) with an average depth of 6 feet. The surrounding soil is Pierre-Grummit clay, classified under hydrologic soil group D. A natural tributary stream runs beneath the pond, eventually flowing into Rapid Creek. Historical water quality records indicate the pond had maintained South Dakota safe water levels in the past. The pond is supported by an earthen dam that is 335 feet long and 14 feet high, containing two 24-inch diameter culverts designed for overflow control, which discharge to another pond area on an adjacent property.

Over time, the pond has transitioned into a marsh environment, now characterized by the presence of riparian vegetation and large cattails. Water quality has declined, with traces of E. coli present. Aerial photographs (referenced in Addendum A) clearly illustrate the significant impact of sediment runoff from the drainage basin, exacerbated by the absence of controls or maintenance, on the pond ecosystem. The current estimated pond size is 81,829 square feet (1.9 acres), and the average depth has decreased to between 2 and 4 feet. Material sampling and pole tests, conducted from a boat across multiple areas, revealed that sediment depth now averages 80 to 95 inches before reaching hard clay.

This grant will enable the Black Gap HOA to address the reduction in pond size, degraded water quality, and safety concerns through a comprehensive reclamation project. The Ranch at Black Gap Community Pond Reclamation Project aligns with the West Dakota Water Development District's (WDWDD) objectives to

support effective water management, maintain water quality, and promote recreational water use.

Objective of the Project

According to previous studies by the SD School of Mines Civil Engineering Department, ongoing consultations with TerraSite Engineering, and recent water and soil testing, the

Ranch at Black Gap community pond continues to face ongoing degradation for several reasons:

- Sediment transport throughout the drainage basin and watershed, resulting in deposition within the pond.
- Debris and soil from erosion contributed to the formation of a large sandbar downstream.
- Accumulated sediment disrupts the ecosystem and encourages the growth of unwanted vegetation.
- Water quality in the area has been compromised.
- Contamination from fertilizers, chemicals, potential septic system runoff, yard waste, garbage, animal waste, and urban runoff entering the pond.
- Eutrophication occurs in areas along the creek and watershed.
- Lack of regular maintenance or inspection.

WDWDD Recognition

The Black Gap HOA is committed to acknowledging WDWDD's support by installing benches at the pond entrance, featuring a plaque to recognize their contribution to the reclamation project. Additionally, the HOA will share similar recognition on its social media channels, including Facebook, Nextdoor, and the public website. The HOA will also issue a press release to local media, announcing the pond reclamation project and acknowledging the grant funding from WDWDD.

Expected Outcomes

The reclamation project will result in a restored and safe pond, providing a recreational space for the community. It will also ensure compliance with South Dakota dam safety and water regulations.

Project Timeline

- December: Drainage of the pond area and construction of a temporary channel for downstream water flow.
- December: Vegetation removal coordinated with the Rapid Valley Fire Department through a large, controlled burn. Remaining areas will be manually trimmed or sprayed in the following spring.
- January (following hard freeze): Excavation begins and is expected to take approximately 75 days. Excavated material will be transported to a designated area on adjacent private property, away from potential runoff risk.
- Spring 2026: Pond and dam edges will be reinforced, supplemented with bentonite, and finished with riprap and rock as needed.
- Summer 2026: New trees and vegetation will be planted. Fish and other native wildlife will be reintroduced. Safe access areas will be added, and pathways will be groomed and reinforced with bentonite.
- Ongoing: After reclamation, the HOA will implement regular maintenance, water quality monitoring, and general upkeep to preserve the pond and its surroundings.
- 2028: Work will begin on a future sediment forebay, weir, and watershed improvements, expected to take one year and funded by private donations or potential federal grants.
- Long-term goals: Additional improvements such as landscaping, benches, a shaded picnic area, dock, parking, lighting, recreation areas, new trails, and possible bridges will be planned and funded through HOA's annual budget.

Overall Project Budget Item	Cost
Drainage and Channel	\$8,000.00
Excavation	\$125,000.00
Material Transport	\$50,000.00
Edge Repair	\$18,000.00
Revegetation	\$4,300.00
Annual Maintenance	\$1,500.00
Subtotal	\$206,000.00
10% Contingency	\$20,600.00
Total	\$226,600.00
<i>70% HOA</i>	<i>\$158,620.00</i>
<i>30% WDWDD</i>	<i>\$67,980.00</i>

Project Partners and Proponent Contributions

The Black Gap HOA is actively seeking material and labor donations from local businesses. A local contractor and a neighboring farmer have pledged to donate rock for part of the project. The most significant contributions will come from volunteer time, the use of heavy equipment, and labor provided by HOA members and the Black Gap community.

Billing Method and Payment Schedule

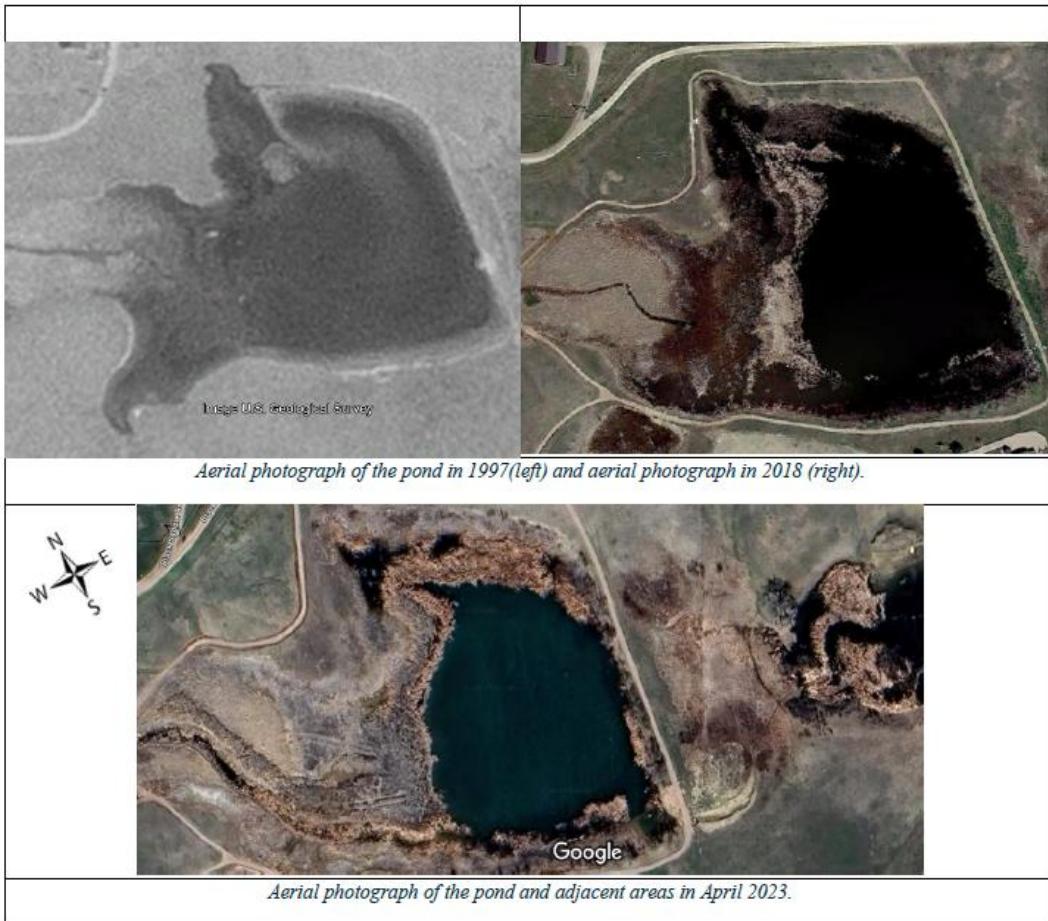
The HOA will submit periodic invoices from contractors and consultants to WDWDD for payment upon completion of each project phase.

Final Project Deliverables

A grant from WDWDD will significantly contribute to:

- Reducing sediment buildup and downstream transport.
- Restoring the pond to a suitable size and depth.
- Reversing the shift from marshland back to a safe, usable pond for wildlife and community recreation.
- Improving local soil conditions.
- Enhancing water quality.
- Establishing a schedule and plan for ongoing maintenance and long-term preservation.

Addendum A



Approval Signatures

_____	_____
Karen McGregor President, Board of Directors Ranch at Black Gap Homeowners Association	Date _____
_____	_____
Robin Witkop Treasurer, Board of Directors Ranch at Black Gap Homeowners Association	Date _____
_____	_____
Name _____ Position _____ Western Dakota Water Development District	Date _____
_____	_____
Name _____ Position _____ Western Dakota Water Development District	Date _____

AGENDA ITEM 14: Information: Update from erosion control committee (Driscoll and erosion control committee)

AGENDA ITEM 15: Request: a) funding of up to \$25,000 for continuation of Star Village erosion control project with the City of Rapid City and Tzadik Property Management (Driscoll and erosion control committee).

b) Request: funding of up to \$5,000 for collaborative erosion control project at the LaCroix Golf Course (Driscoll and erosion control committee)

a)

Grant Proposal Request for

Continuation of Erosion Control Project on the North Side of Star Village

Submitted to West Dakota Water Development District By

West Dakota Water Development District Erosion Control Committee

December 28, 2025

1. Problem or opportunity statement: Since May of 2021, West Dakota has funded an erosion control project on the north side of Star Village with a goal of improving water quality in Rapid Creek by reducing large-scale sediment transport from a highly erosive area of about 5 acres. An EPA Section 319 project for reduction of nonpoint source pollution along Rapid Creek was recently approved by the South Dakota Department of Agriculture and Natural Resources. Initial funding can be used only for planning activities, and funding for implementation of large-scale erosion control activities that will be needed to mitigate the project area likely will not be available until 2027 or perhaps even later.

West Dakota's Erosion Control Committee has developed proposals with two involved property owners for continuation of erosion control efforts in the interim period until Section 319 funding for implementation efforts can be obtained. Those proposals, which contain many additional details regarding proposed interim efforts, are appended following Item 12 of this Grant Proposal Request, which seeks funding of up to \$25,000 through December 31, 2026.

2. Objective(s) of the project: To date, West Dakota's goals have been to (1) retain sediment on site; (2) prevent enlargement of the main erosive area; and (3) prevent several relatively small partially vegetated areas from completely blowing out. Those objectives will remain in place.

3. Recognition that WDWDD will receive for this gift (mentions on social media, websites, newsletters, newspapers, public meeting, etc.): West Dakota's Projects website will be updated, as appropriate. Examples of recognition to date have included presentations/posters at the Western Dakota Hydrology Conference Project, a poster at WDTI's 2025 Earth Day event, and a Sustainability Award of March 2023 by Rapid City's Sustainability Committee.

4. Expected outcomes: The long-term goal of the Section 319 project will be to reduce, and eventually nearly eliminate sediment transport from the project site by achieving revegetation of what are now steep, erosive shale slopes. Outcomes to date have included (A) substantially reduced sediment transport from the site by using silt fences and various other measures; (B) stabilization of steep head cuts, predominantly along the southern perimeter of the project area; (C) reestablishment of vegetation on about one-third of an acre where dredged sediment from Canyon Lake was used as topsoil during 2021; and (D) substantially improved vegetation coverage in many small partially vegetated areas. Similar small-scale outcomes are anticipated in the upcoming interim period while awaiting Section 319 implementation funds.

5. Project timeline: The "Interim Erosion-Control Plan" that is included as part of the appended documentation is intended to guide interim efforts through the end of 2026, with additional updates to be made on an annual basis until the large-scale Section 319 efforts can be implemented. A specific timeline is not included because many of the work efforts tend to be opportunistic and driven by the availability of resources. Fall 2025 efforts

included gathering and spreading about 800 lawn waste bags (mostly leaves), which is a typical fall activity. This year, about half were spread by volunteers and about half using Rapid City's Wildland Fire Crew.

6. Significant project milestones and associated deliverables: A major future milestone will be to obtain Section 319 funding for full-scale implementation. Interim milestones tend to be smaller accomplishments such as this fall's leaf spreading. Another recent accomplishment/milestone was on Dec. 9, 2025, when the Rapid City Parks Department delivered dirt to the project site from the Executive Golf Course. Rapid City's Wildland Fire Crew provided a tracked skid steer and 6 laborers who assisted in spreading dirt. As with Item 5, such milestones tend to be opportunistic and driven by the availability of resources.

7. Overall project budget that includes labor, labor rates, expenses and overhead as applicable and amount requested: Funding of up to \$25,000 is requested through December 31, 2026. Separate budgets for the two project partners are included in the Interim Erosion-Control Plan that is appended.

8. Project partners and project proponent contributions whether financial or in-kind: The majority of the erosive area is now owned/managed by the Rapid City Parks Department, one of two project partners. The in-kind contributions described under Item 6 represent a stepped up-level of effort to which the Parks Department recently committed, and which is enhanced by participation by the Wildland Fire Crew. The other project partner is Tzadik Rapid City Portfolio I LLC, which reimburses West Dakota for 10 percent of expenditures on Tzadik property. Previous project partners Phil and Yvonne Weger, who previously owned the parcel now owned by the city of Rapid City, continue to contribute the use of a rubber tired skid steer and a tandem axle trailer, which have been used extensively for project activities.

9. Billing method requested and schedule (periodic invoices upon completion of each deliverable, monthly, one-time payment, etc.): Tzadik will be billed annually for 10 percent of West Dakota's expenditures on Tzadik property.

10. Final project deliverables—to include a final presentation to the board and project summary document for WDWDD records: The final deliverable will be a project site for which much progress has been accomplished and for which the ultimate cost of full-scale implementation will thus be greatly reduced. Updates to the full Board of Directors will be made by the Erosion Control Committee on a regular basis, including a final presentation.

11. Intellectual property rights if applicable: Not applicable.

12. A signature page to be signed by the grantee and a WDWDD official: A signature page for each of the two project partners is included in the appended documentation.

Proposal for Continuation of Collaborative Erosion Control Project on the North Side of Star Village

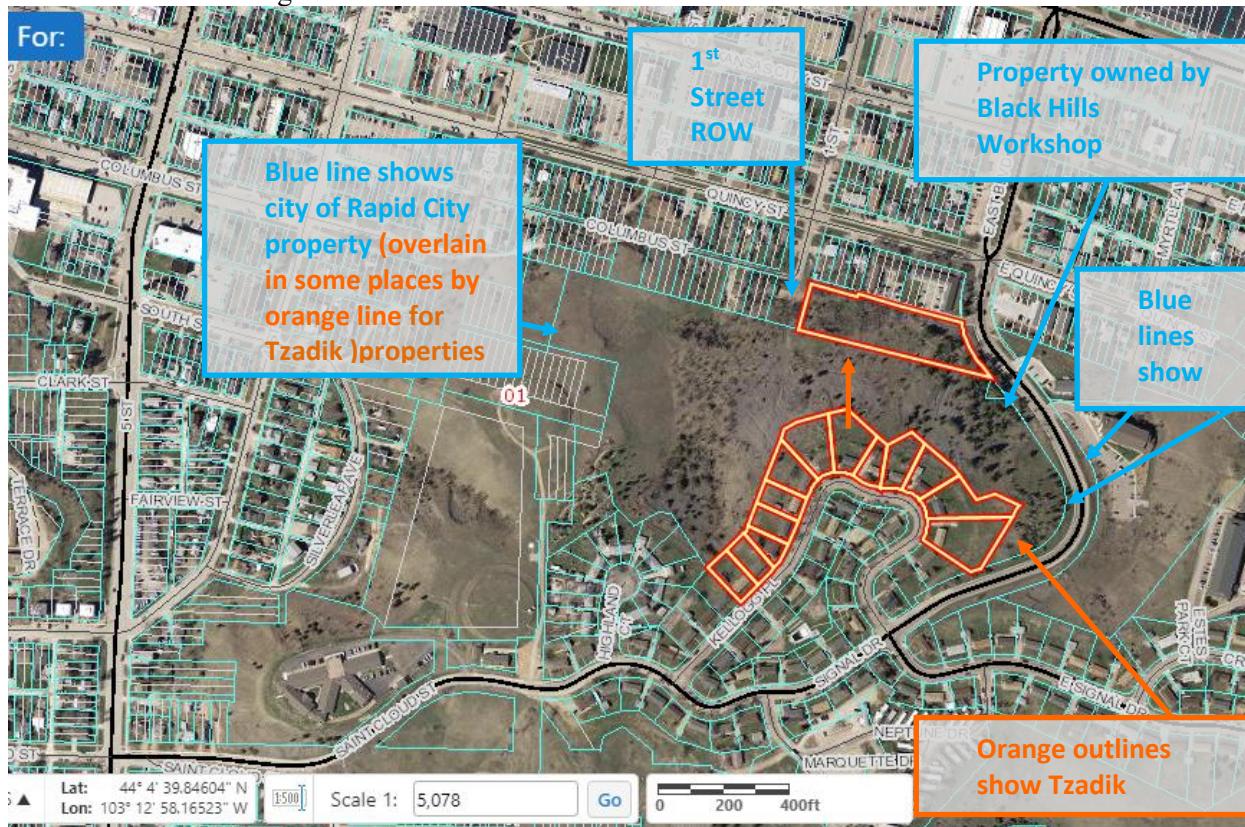
West Dakota Water Development District And

Rapid City Parks Department

November 22, 2025

The West Dakota Water Development District (West Dakota) and the Rapid City Parks Department (Parks) propose to continue a collaborative project for revegetation of exposed erosive soils and other erosion-control measures on the city of Rapid City property north of Star Village (fig. 1). Efforts will be guided by an Interim Erosion-Control Plan for Star Village Project Area that is provided as Attachment 1. The project area includes the Rapid City parcel (14.94 acres) and a number of parcels owned by Tzadik Rapid City Portfolio I LLC (Tzadik). Because of intertwined erosional areas and access between the Rapid City and Tzadik properties, this project will be a collaborative effort between West Dakota, Parks, and Tzadik. As part of this collaborative effort, Parks will grant full access, as needed, for any and all efforts on adjacent Tzadik properties, with reciprocal access rights granted by Tzadik. The project area also includes a very small parcel owned by Black Hills Workshop Foundation Inc., which has granted permission for efforts within that parcel.

Figure 1. Screen capture from RapidMap showing property boundaries for properties of primary interest on north side of Star Village.



West Dakota proposes to provide funding of up to \$25,000 for all expenditures on both the Parks and Tzadik parcels from the date of this agreement through December 31, 2026. Additional funding increments can be provided later, if needed, contingent on approval by the West Dakota Board of Directors. It is envisioned that new agreements will be enacted annually until future larger-scale implementation can begin with EPA Section 319 funding that is anticipated within the next several years, as explained in more detail in Attachment 1.

West Dakota will be responsible for procurement of supplies, equipment rental when needed, and any contractual arrangements that may be needed. West Dakota also will be the lead for coordinating for labor from outside sources such as volunteer services or from other collaborating entities.

Parks will not be asked to contribute any direct funding; however, when possible, Parks will contribute in-kind services as available and applicable, such as (1) compost and topsoil, including transport when possible; (2) small equipment such as skid steers or mini excavators; (3) technical assistance and oversight in planning and implementation; (4) labor; and (5) any other in-kind services that may be appropriate and feasible. Parks has agreed to step up their in-kind contributions, relative to contributions for the past several years, while awaiting 319 implementation. As an example Parks has agreed to contribute about 200 cubic yards of dirt/topsoil that currently resides at the Executive Golf Course for planned operations at Star Village and also at LaCroix Disc Golf. Parks also has agreed to do all of the hauling, with the understanding that West Dakota will be responsible for all of the spreading, along with seeding and installation of erosion control blanket. For this individual operation, the monetary value of the Parks contribution will be substantially larger than West Dakota's contribution, perhaps by as much as double. No attempt is made herein to quantify future in-kind contributions; however, this provides a good example of plans for stepped up contributions by Parks.

Decisions regarding methods to be employed and prioritization of efforts on the city of Rapid City property will be made by consensus of West Dakota and Parks. Area 3 Director Dan Driscoll will act as a lead coordinator for

West Dakota, with input from West Dakota's Erosion Control Committee, in working with staff designated by Parks.

An accounting of total funding that has been expended to date is provided here for informational purposes. The first collaborative agreements involved Phil and Yvonne Weger, who later gifted the property to the city of Rapid City, and Tzadik. Agreements were in place for both parties from May 21, 2021 through July 6, 2022, and expenditures for the two parties totaled \$7,502.35 and \$8,746.64, respectively. Starting July 7, 2022, the collaborative agreements have involved Tzadik and the city of Rapid City, subsequent to gifting of the property by the Wegers. Expenditures to date have since totaled \$2,536.35 for Tzadik and \$13,340.85 for the city.

Signature page:

Signatures by authorized entities for both parties constitute an agreement to implement the proposed collaborative project as set forth in this proposal and the associated "Erosion-Control Plan for Star Village Project Area."

Signatures for West Dakota Water Development District:

Thomas Mack, Chairman

Date

Signatures for Rapid City Parks Department, 515 West Boulevard, Rapid City, SD 57702 (**please add printed name and title below each signature line; add more lines, if needed**)

Date

Date

Attachment 1 – Interim Erosion-Control Plan for Star Village Project Area

Developed by:

West Dakota Water Development District

In collaboration with:

Rapid City Parks Department And

Tzadik Rapid City Portfolio I LLC

November 22, 2025

This erosion-control plan has been developed by the West Dakota Water Development District (West Dakota) in collaboration with (1) the Rapid City Parks Department (Parks) and (2) Tzadik Rapid City Portfolio I LLC (Tzadik) for an erosion-control project just north of Star Village in Rapid City, SD. West Dakota enacts separate collaborative agreements with Parks and Tzadik; however, a single erosion-control plan is used for the entire project area because of intertwined erosional areas and access.

The Star Village project area includes about 5 erosive acres within two parcels shown in figure 1 (see page 1 of the preceding “Proposal for Continuation...” section) and is one of the largest, steepest, and most challenging erosive settings in Rapid City. The goal of the project is to improve water quality in Rapid Creek by reducing delivery of sediments through revegetation of erosive areas. Erosion-control efforts were initiated during an initial pilot phase in 2021, at which time the largest parcel (14.94 acres, fig. 1) was owned by Phillip and Yvonne Weger (the Wegers), who gifted the parcel to the city of Rapid City early in 2022. Sediment movement from the western part of this parcel generally is to north towards the 1st St. right of way (fig. 1) and sediment from the eastern part generally moves northward towards a 1.78-acre parcel owned by Tzadik. A very small parcel owned by Black Hills Workshop Foundation Inc. is located on the southeast corner of the northernmost Tzadik parcel, and they have granted permission for erosion-control efforts within this parcel. A dirt trail through the Tzadik parcels on the south side of the project area is critical for access needs. The east side of the project area also includes a strip of street right of way along the west side of East Boulevard.

West Dakota recently applied through the South Dakota Department of Agriculture and Natural Resources for an EPA Section 319 project for reduction of nonpoint source pollution along Rapid Creek. On December 12, 2024, West Dakota’s application was approved by the South Dakota Board of Water and Natural Resources. The section 319 project efforts will initially focus on a watershed protection planning phase, and section 319 funding for implementation of large-scale erosion control activities likely will not be available until 2027 or perhaps even later. This “Interim Erosion-Control Plan” is intended to guide interim efforts through the end of 2026, with additional updates to be made on an annual basis until the large-scale Section 319 efforts can be implemented.

To date, West Dakota’s goals have been to (1) retain sediment on site; (2) prevent enlargement of the main erosive area; and (3) prevent a number of relatively small partially vegetated areas from completely blowing out. Many silt fences were installed many years ago in the northern part of the project area, most of which have long since filled to capacity and begun to disintegrate. However, their effectiveness in retaining sediment is well demonstrated. Several hundred feet of additional silt fences have been installed in several locations since the current project’s inception in 2021 and have been very effective in retaining sediment on site. All major head cuts and side cuts around the site periphery have been stabilized and all partially vegetated areas have substantially improved from treatments that have been applied to date.

Figure 2 shows planning areas for erosion-control efforts to be implemented in the interim until larger-scale activities can begin as part of the planned Section 319 project, with intentions of reducing future required work efforts and associated costs. One driving factor in planned efforts has been a new development involving the availability of supervised inmate labor at no cost under Pennington County’s IGNITE program (<https://pennco.org/?SEC=24596AE0-9757-4421-87F4-2EC1152EFE53>). Another relatively new resource is the Rapid City Wildfire Mitigation Crew, which has provided minor assistance to West Dakota on several recent occasions, and which has the capability to provide a tracked skid steer and operator, contingent on availability. In addition, the Wegers have continued to allow us the free use of a rubber tired skid steer and an 18-foot tandem axle trailer, which have been major contributions to our accomplishments to date. Interim efforts while awaiting Section 319 implementation will largely focus on labor-intensive activities in several relatively small areas that will be especially cost-effective in reducing future costs for the larger erosive areas to be addressed under the planned Section 319 implementation.

Several planned efforts within the Tzadik parcel on the northeast corner of the project area are of especially high priority. A number of high-quality surplus power poles donated by Black Hills Energy are stored on site and are well suited for constructing a short retaining wall just west of East Boulevard and immediately south of the driveway into the two apartment buildings located just north of the project area (figs. 1 and 2). The retaining wall will shore up a dilapidated silt fence on the driveway/East Boulevard intersection (fig.3) and extend to the west end of the driveway. One or more additional small retaining walls may also be installed within this parcel to shore up other failing silt fences. Topsoiling, seeding, and installation of erosion-control blanket also is planned for most major bare-dirt areas within this Tzadik parcel. The total cost for planned activities within the

Tzadik parcel is a maximum of \$10,000 as shown in table 1 at the end of this document. Planned costs include rental of a tracked skid steer, which will not be needed if the Wildfire Mitigation Crew is able to provide such. Tzadik management has expressed willingness to participate in these planned activities by providing staff time and the use of a skid steer, as at least two skid steers will be needed for retaining wall construction. Any contributions by Tzadik will be credited against Tzadik's required 10 percent reimbursement.

Red ovals on figure 2 show six areas where topsoiling, seeding, and installation of erosion-control blanket is planned. The four smallest areas will require minimal resources and can be accomplished with the rubber tired skid steer that the Wegers have continued to allow us to use. The large area just west of East Boulevard has many small erosive areas intermixed with vegetated areas and ponderosa pine overstory. The topography is suitable for topsoiling with a tracked skid steer and is accessible for hauling in topsoil from East Boulevard with a rented dump trailer, as shown by the red arrow. The large area along the northern part of the project area also has many small erosive areas intermixed with vegetated areas and also will require a tracked skid steer. Assistance from the Wildfire Mitigation Crew may be possible for these two areas also.

Figure 2. Screen capture from RapidMap showing planning areas for interim erosion-control measures. North is up.



The green ovals on figure 2 show three partially vegetated areas that have been treated annually with yard waste (mostly leaf litter) and have shown steady improvement. Treatments in these areas will continue, as needed, as will similar treatments for the head cuts and side cuts that exist along much of the periphery of the project area.

The dashed blue oval near the center of the project area will be an especially difficult area for future mechanized treatment because of especially steep slopes and a thick stand of black locust. This area is proposed for treatment with an especially thick layer of leaf litter and a heavy cover of discarded Christmas trees; both treatments are feasible with the availability of IGNITE laborers. Thinning by the Wildland Fire Crew during 2023 encouraged stooling of the black locust; thus, additional aggressive thinning to encourage even heavier stooling may be considered, prior to the leaf and Christmas tree placements. Table 2 shows estimated costs for interim efforts planned within the parcel owned by the city of Rapid City.

If permitted by time and resources, several other activities will be considered to expedite access for future Section 319 activities. A blue oval in the southeastern part of the project area shows the location of several obstructions that include steel posts and beams and concrete pads. Clearing of these obstacles will be necessary for future access by haul trucks, and it would be very beneficial if Parks could assist with this in advance. Farther west, chain link fencing will need to be removed to expedite future access by heavy equipment, which can be easily accomplished with IGNITE laborers. Removal of some old woven wire and tree fencing to the west of the chain link fencing also would be beneficial.

Figure 3. Photos showing dilapidated silt fences. Main photo is looking south and inset photo is looking east.



Tables 1 and 2 are intended only as preliminary guides for implementation of interim erosion-control measures, recognizing that much of the planning and decision-making can be affected by a wide variety of factors that include weather conditions and the availability of manpower and other resources. Decisions regarding implementation of planned approaches will be made by consensus of West Dakota, Parks, and Tzadik. Area 3 Director Dan Driscoll will act as a lead coordinator for West Dakota, with input from West Dakota's Erosion Control Committee, in working with coordinators designated by Parks and Tzadik.

Table 1. Preliminary budget estimates for interim Star Village erosion control efforts on Tzadik properties.

Budget item	<u>Estimated cost</u>	Notes
Tracked skid steer rental	\$1,500	1 week; includes delivery & fuel

Excavator rental	\$1,500	1 week; includes delivery & fuel
Dirt	\$0	Already have plenty on site
Pickup and dump trailer rental	\$300	1 day; includes fuel
Seed	\$100	
Erosion blanket	\$1,000	10 rolls; heavy coconut fiber
Landscaping staples for blanket	\$55	1 box
Gravel (hauled to site)	\$1,500	Needed for graveling of access trail
Misc supplies for retaining wall	\$1,000	Rebar for staking, supplies for anchors, etc
Contingency	<u>\$3,045</u>	
Subtotal for Tzadik parcel	\$10,000	

*Includes snacks/refreshments for IGNITE workers and hosting worker appreciation events

Table 2. Preliminary budget estimates for interim Star Village erosion control efforts on city of Rapid City properties.

<u>Budget item</u>	<u>Estimated cost</u>	<u>Notes</u>
Tracked skid steer rental	\$1,500	1 week; includes delivery & fuel
Excavator rental	\$1,500	1 week; includes delivery & fuel
Dirt	\$2,000	
Pickup and dump trailer rental	\$1,500	5 days; includes fuel
Seed	\$500	
Erosion blanket	\$3,000	10 rolls; heavy coconut fiber
Landscaping staples for blanket	\$165	3 boxes
Misc supplies*	\$1,000	
Contingency	<u>\$3,835</u>	
Subtotal for City of Rapid City parcel	\$15,000	

*Includes snacks/refreshments for IGNITE workers and hosting worker appreciation events

Proposal for Continuation of Collaborative Erosion Control Project on the North Side of Star Village

West Dakota Water Development District And

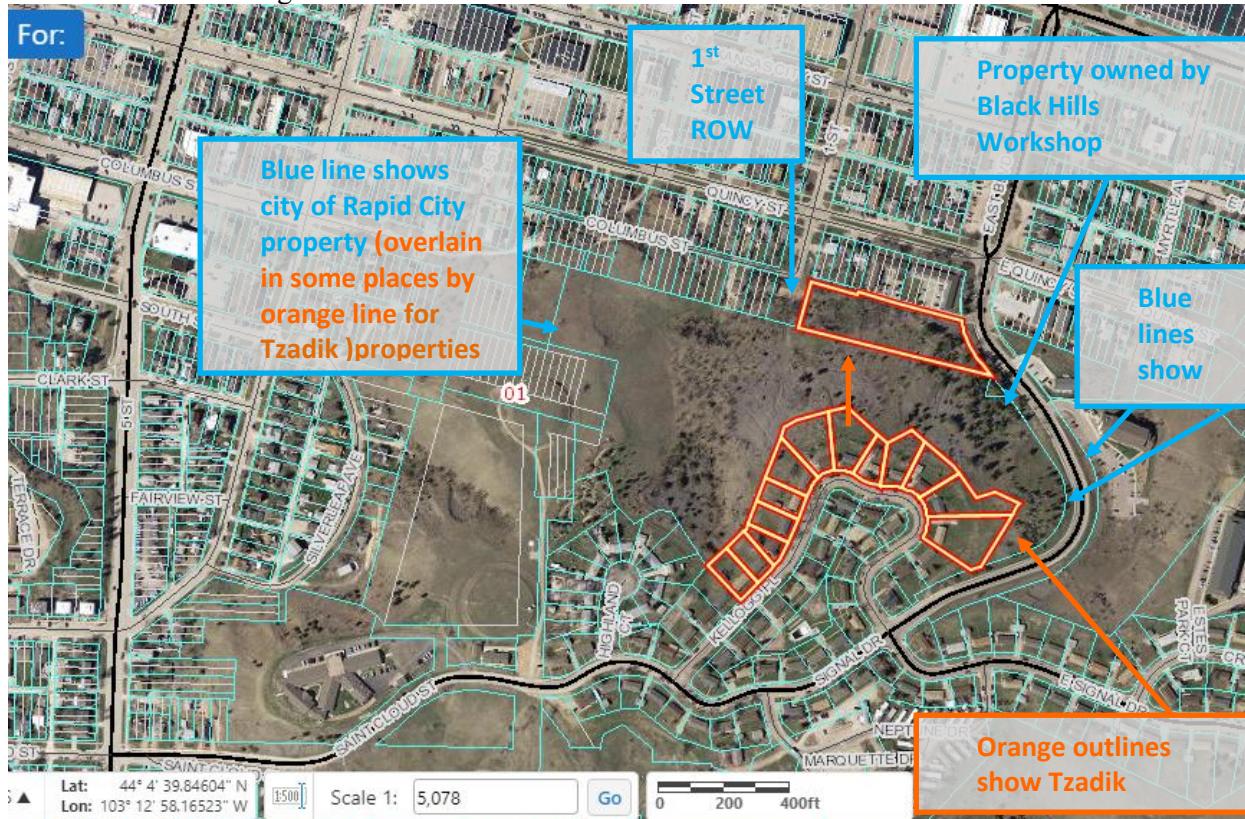
Tzadik Rapid City Portfolio I LLC

November 22, 2025

The West Dakota Water Development District (West Dakota) and Tzadik Rapid City Portfolio I LLC (Tzadik) propose to continue a collaborative project for revegetation of exposed erosive soils and other erosion-control measures on the Tzadik property north of Star Village (fig. 1). Efforts will be guided by an Interim Erosion-Control Plan for Star Village Project Area that is provided as Attachment 1. The project area includes a number

of parcels owned by Tzadik and a 14.94-acre parcel managed by the Rapid City Parks Department (Parks). Because of intertwined erosional areas and access between Parks and Tzadik, this project will be a collaborative effort between West Dakota, Tzadik, and Parks. As part of this collaborative effort, Tzadik will grant full access, as needed, for any and all efforts on the adjacent Parks property. The project area also includes a very small parcel owned by Black Hills Workshop Foundation Inc., which has granted permission for efforts within that parcel.

Figure 1. Screen capture from RapidMap showing property boundaries for properties of primary interest on north side of Star Village.



West Dakota proposes to provide funding of up to \$25,000 for all expenditures on both the Parks and Tzadik parcels from the date of this agreement through December 31, 2026. Additional funding increments can be provided later, if needed, contingent on approval by the West Dakota Board of Directors. Tzadik will reimburse West Dakota for 10 percent of expenditures on the Tzadik parcels through December 31, 2026, up to a maximum of \$1,000 (10 percent of \$10,000, which is the maximum estimated expenditure for the Tzadik parcels). A breakdown of expenditures between the Tzadik and Parks parcels will be provided to Tzadik. It is envisioned that new agreements will be enacted annually until future larger-scale implementation can begin with EPA Section 319 funding that is anticipated within the next several years, as explained in more detail in Attachment 1.

West Dakota will be responsible for procurement of supplies, equipment rental when needed, and any contractual arrangements that may be needed. West Dakota also will be the lead for coordinating for labor from outside sources such as volunteer services or from other collaborating entities.

Decisions regarding future methods to be employed and prioritization of efforts on the Tzadik parcels will be made by consensus of West Dakota and Tzadik. Area 3 Director Dan Driscoll will act as a lead coordinator for West Dakota, with input from West Dakota's Erosion Control Committee, in working with a coordinator designated by Tzadik.

The erosion-control plan identifies a component for installation of used power poles as terracing material on the

north side of the northernmost Tzadik property (fig. 1). Tzadik agrees that if they would elect to use commercial terracing materials instead of used power poles, Tzadik would pay all costs for purchase and installation of the terracing materials.

An accounting of total funding that has been expended to date is provided here for informational purposes. The first collaborative agreements involved Phil and Yvonne Weger, who later gifted the property to the city of Rapid City, and Tzadik. Agreements were in place for both parties from May 21, 2021 through July 6, 2022, and expenditures for the two parties totaled \$7,502.35 and \$8,746.64, respectively. Starting July 7, 2022, the collaborative agreements have involved Tzadik and the city of Rapid City, subsequent to gifting of the property by the Wegers. Expenditures to date have since totaled \$2,536.35 for Tzadik and \$13,340.85 for the city.

Signature page:

Signatures by authorized entities for both parties constitute an agreement to implement the proposed collaborative project as set forth in this proposal and the associated “Short-Term Erosion-Control Plan for Star Village (North) Project Area.”

Signatures for West Dakota Water Development District:

Thomas Mack, Chairman

Date

Signatures for Tzadik Rapid City Portfolio I LLC (please add printed name and title below signature line)
11098 Biscayne Blvd, Suite 203, Miami FL 33161

Date

Date

b)

Grant Proposal Request for

Additional Funding of Erosion Control Project LaCroix Disc Golf

Submitted to West Dakota Water Development District By

West Dakota Water Development District Erosion Control Committee

December 28, 2025

1. Problem or opportunity statement: Since May of 2021, West Dakota has funded an erosion control project at LaCroix Disc Golf with a goal of improving water quality in Rapid Creek by reducing sediment transport from an erosive area of about 1 acre. Initial funding of \$12,000 was allocated by West Dakota during 2021, and no additional funding has been allocated since.

On Dec. 8, 2025, Rapid City's Wildland Fire Crew assisted in a topsoiling operation that involved their tracked skid steer and 7 crew members. This operation involved spreading of about 70 cubic yards of dirt that was hauled that day by the Rapid City Parks Department, plus about 20 cubic yards that the Parks Department had

hauled in several years earlier. Dirt was spread in a number of bare-shale areas totaling something short of 1,000 square yards, followed by seeding and installation of erosion-control blanket, with installation of wattles still to be performed. Expenditures for seed, blanket, staples, wattles, stakes, and the like have not yet been tallied, but will essentially deplete the available funding of \$1,460.95 that remained on the books as of the Treasurer's Report in our Dec. 9, 2025 meeting packet.

The recent topsoiling operation largely completed planned activities that were described in a proposal/planning document of May 21, 2021, that is on file in West Dakota's files. However, minor maintenance is anticipated over the course of the next several years to achieve sufficient revegetation to deem the site fully mitigated and successfully close out this project. This request is for funding of up to \$5,000 to be allocated through Dec. 31, 2027 that will be used for minor activities that will be needed for final project completion.

2. Objective(s) of the project: The original project was a pilot effort intended to not only attempt to achieve revegetation of the erosive areas, but also to allow West Dakota to "gain valuable experience in (1) estimating costs and required levels of effort for potential future projects and (2) evaluating the effectiveness of various treatment methods." Efforts to date have been highly effective in mitigating the erosive areas. The objective to be accomplished with the requested funding will be to achieve sufficient revegetation to deem the site fully mitigated and successfully close out this project.

3. Recognition that WDWDD will receive for this gift (mentions on social media, websites, newsletters, newspapers, public meeting, etc.): West Dakota's Projects website will be updated, as appropriate. Examples of recognition to date have included presentations/posters at the Western Dakota Hydrology Conference Project, a poster at WDTI's 2025 Earth Day event, and a Sustainability Award of March 2023 by Rapid City's Sustainability Committee. In addition, numerous citizens have become informed about West Dakota's erosion-control efforts due to (1) the visibility of this project site; (2) a citizen-involvement aspect of gathering lawn waste bags each fall, and (3) another related citizen-involvement aspect of recycling empty used waste bags each fall. Many citizens end up asking where all of the used bags come from and end up interested in hearing about our efforts.

4. Expected outcomes: The desired outcome will be achievement of adequate revegetation to deem the site fully mitigated and successfully close out this project at the end of 2027.

5. Project timeline: A 2-year timeframe is planned. Leaf spreading in partially vegetated areas is anticipated during the fall of 2026 and 2027. No other specific timeline is planned, as all other activities will be on an as-needed basis.

6. Significant project milestones and associated deliverables: Several major milestones have been accomplished to date. During 2021, four rows of "grow wattles" were installed laterally (cross slope) near the top of the slope, spaced about 5+ feet apart. These wattles were stuffed with a mix of compost (donated by the city) and sediment dredged from Canyon Lake (rather than the usual wood chips), and which had been laced with grass seed. These wattles proved effective in accumulating sediment on the uphill side, and in 2023 a thick stand of sweet clover grew in this "wattle zone", but not on the rest of the slope.

Two small silt fences also were installed during 2021 in a deep gully, and subsequently halted sediment delivery downstream from there. A second lift was added a couple years later, as the fences had nearly filled.

During 2023, about 2,200 feet of wattles were installed using volunteers and with assistance from Rapid City's Wildland Fire Crew. The entire slope was then seeded with a grass seed mix, but subsequent germination/growth was minimal.

During fall of 2024, about 400 bags of lawn waste were spread by volunteers, with subsequent seeding. Germination/growth during 2025 was outstanding.

During fall of 2025, about 400 more bags of lawn waste (mostly leaves) were spread by Rapid City's Wildland Fire Crew, with subsequent seeding. A subsequent topsoiling operation, as described under Item 1 above followed.

Anticipated future milestones will include fall spreading of lawn waste with associated seeding each year. If

future revegetation progresses as in 2025, it may be possible to close this project out at the end of 2027. Beyond fall lawn waste spreading, only minor maintenance is anticipated, such as silt fence upkeep and reseeding, where necessary, in areas that were topsoiled but germination/growth turns out to be unsatisfactory.

7. Overall project budget that includes labor, labor rates, expenses and overhead as applicable and amount requested: The funding request is for up to \$5,000 to be allocated through Dec. 31, 2027, with a budget as shown in the table below. Actual expenditures are expected to be considerably less than \$5,000; however, a substantial contingency component is included because of the many unforeseen circumstances that could arise.

Item	Cost	Notes
Grass seed mix	\$500	
Volunteer appreciation events	\$1,000	One event each year for 2 years
Contingency costs for miscellaneous items and various unforeseen expenses	\$3,500	
Total budget	\$5,000	

8. Project partners and project proponent contributions whether financial or in-kind: The erosive area is managed by the Rapid City Parks Department, which is our only project partner. The in-kind contribution of dirt hauling by the Parks Department, as described under Item 1, was a major factor in the success of this year's topsoiling operation. Additional assistance of a similar nature, if needed, is anticipated. Assistance from Rapid City's Wildland Fire Crew has been another major contribution, and future assistance in fall leaf spreading is anticipated.

9. Billing method requested and schedule (periodic invoices upon completion of each deliverable, monthly, one-time payment, etc.): Not applicable.

10. Final project deliverables—to include a final presentation to the board and project summary document for WDWDD records: The final deliverable will be sufficient success on revegetation efforts to successfully close out this project at the end of 2027. Updates to the full Board of Directors will be made by the Erosion Control Committee on a regular basis, including a final presentation.

11. Intellectual property rights if applicable: Not applicable.

12. A signature page to be signed by the grantee and a WDWDD official: A signature page is not included because the Parks Department is already a signatory and if funding is approved by the West Dakota Board, this action will represent a continuation of our current project.

Proposal for collaborative project for erosion control of exposed erosive soils at the LaCroix Disc Golf Course

West Dakota Water Development District And

Rapid City Parks Department

May 21, 2021

The West Dakota Water Development District (West Dakota) and the Rapid City Parks Department (Parks Dept.) propose a collaborative project for implementation of erosion-control measures in areas of exposed erosive soils at the LaCroix Disc Golf Course. West Dakota will contribute a maximum of \$12,000 in funding to be used primarily for materials and supplies such as (1) grass seed and other appropriate vegetation seeds, (2) erosion-control control materials such as geo-fabrics, stakes, hydro-mulch mix, and other related materials; (3) possible equipment rental; and (4) any other ancillary expenses that may arise. Funding of contractual services, such as contracting for hydro-mulching, might also be necessary. The Parks Dept. will contribute in-kind services as available and applicable, such as (1) compost and topsoil, including transport; (2) equipment for land manipulation, hydro-mulching, or the like; (3) technical assistance and oversight in planning and implementation; and (4) any other in-kind services that may be appropriate and feasible. It is envisioned that labor, beyond that which may be contributed as in-kind services by the Parks Dept., will be accomplished primarily or entirely with volunteer services that may be provided by a wide variety of collaborating entities.

A plan for implementation of erosion-control measures is provided in the attached “Erosion-Control Plan for LaCroix Disc Golf Course Project Area.” Plans are to have initial erosion-control measures completed by mid-to late-August or early September, which hopefully would allow for optimal opportunity for germination and preliminary stand establishment, if favorable weather conditions would occur. The following spring and early summer could provide another opportunity for germination, if fall conditions prove unfavorable.

The erosive area for the proposed revegetation project is in the northeast corner of the LaCroix Disc Golf Course, as shown in figure 1 (broad view) and figure 2 (zoomed view). The red box in both figures consists of about 2.4 acres, of which about one-half (or 1.2 acre) has exposed erosive soils. Preliminary expectations are that the proposed funding level of \$12,000 will be sufficient to treat the entire erosive area; however, a larger limitation may be the availability of volunteer labor or staff time to be provided by the Parks Dept..

Staff from the Parks Dept. will work with a committee of West Dakota Directors to evaluate and select materials and supplies that are jointly deemed most appropriate for use. To the extent possible, planning and implementation will be done by consensus between the Parks Dept staff and the West Dakota committee; however, the Parks Dept. will have authority for final decision-making, if/when it may be needed. West Dakota will be responsible for procurement of said materials and supplies. This project will allow West Dakota to gain valuable experience in (1) estimating costs and required levels of effort for potential future projects and (2) evaluating the effectiveness of various treatment methods.

Figure 1. Broad view of LaCroix Disc Golf Course showing area with exposed erosive soils.



Figure 2. Zoomed view of LaCroix Disc Golf Course showing area with exposed erosive soils.



Signature page:

Signatures by authorized entities for both parties constitute an agreement to implement the proposed collaborative project as set forth in this proposal and the associated “Erosion-Control Plan for LaCroix Disc Golf Course.”

Signatures for West Dakota Water Development District:

Chairman

Date

Secretary

Date

Signatures for Rapid City Parks Department (**please add printed name and title below signature line**)

Date

Date

Erosion-Control Plan for LaCroix Disc Golf Course Project Area

Developed by: West Dakota Water Development District

In conjunction with:

Rapid City Parks Department

May 21, 2021

This document constitutes an Erosion-Control Plan that has been developed by the West Dakota Water Development District (West Dakota) in conjunction with the Rapid City Parks Department (Parks Dept.) for implementation of erosion-control measures in areas of exposed erosive soils at the LaCroix Disc Golf Course. The erosive area for the proposed revegetation project is in the northeast corner of the LaCroix Disc Golf Course, as shown in figure 1. This plan identifies planned areas for three primary erosion-control methods that include rilling control, cross-slope wattling, and revegetation efforts (see figure 1). The planned project duration is three years; however, hopes are that most of the erosion-control measures can be accomplished during the first year.

Implementation of ‘traditional’ erosion-control methods using contractual services likely would require funding levels that would be cost-prohibitive for West Dakota and the Parks Dept. Proposed erosion-control methods for this project will instead focus on lower-cost approaches, where feasible. Use of volunteer labor, where possible, will result in substantial cost savings. Other potential cost-saving measures may primarily include (1) use of repurposed materials, where possible, and (2) attempting to develop methods that may encourage future “self-healing” of erosive areas. One example of a self-healing approach would be to anchor straw bales in rills

or gullies and then wait for natural accumulation of sediment upgradient from the bales, rather than mechanical grading to smooth the rills or attempting revegetation of the steep side walls.

Development of innovative low-cost erosion-control methods could substantially reduce costs for future erosion-control efforts for this project area and for numerous other challenging settings in the Rapid City area. To aid in development of innovative methods, West Dakota will seek assistance from interested volunteers who might also be able to assist in bringing additional resources such as materials, equipment, or the like to bear. West Dakota will form an internal committee consisting of no more than four directors to assimilate input provided by interested volunteers. Staff from the Parks Dept. will work with the West Dakota committee to evaluate and select materials and supplies that are jointly deemed most appropriate for use. To the extent possible, planning and implementation will be done by consensus between the Parks Dept. staff and the West Dakota committee; however, the Parks Dept. will have authority for final decision-making, if/when it may be needed.

Figure 1. Screen capture from RapidMap showing planned areas for revegetation efforts (RVE), cross-slope wattling (CSW), and rill control (RC) at LaCroix Disc Golf Course Project Area. [Numerals show treatment levels (from table 1A for RVE, CSW, and RC.)]

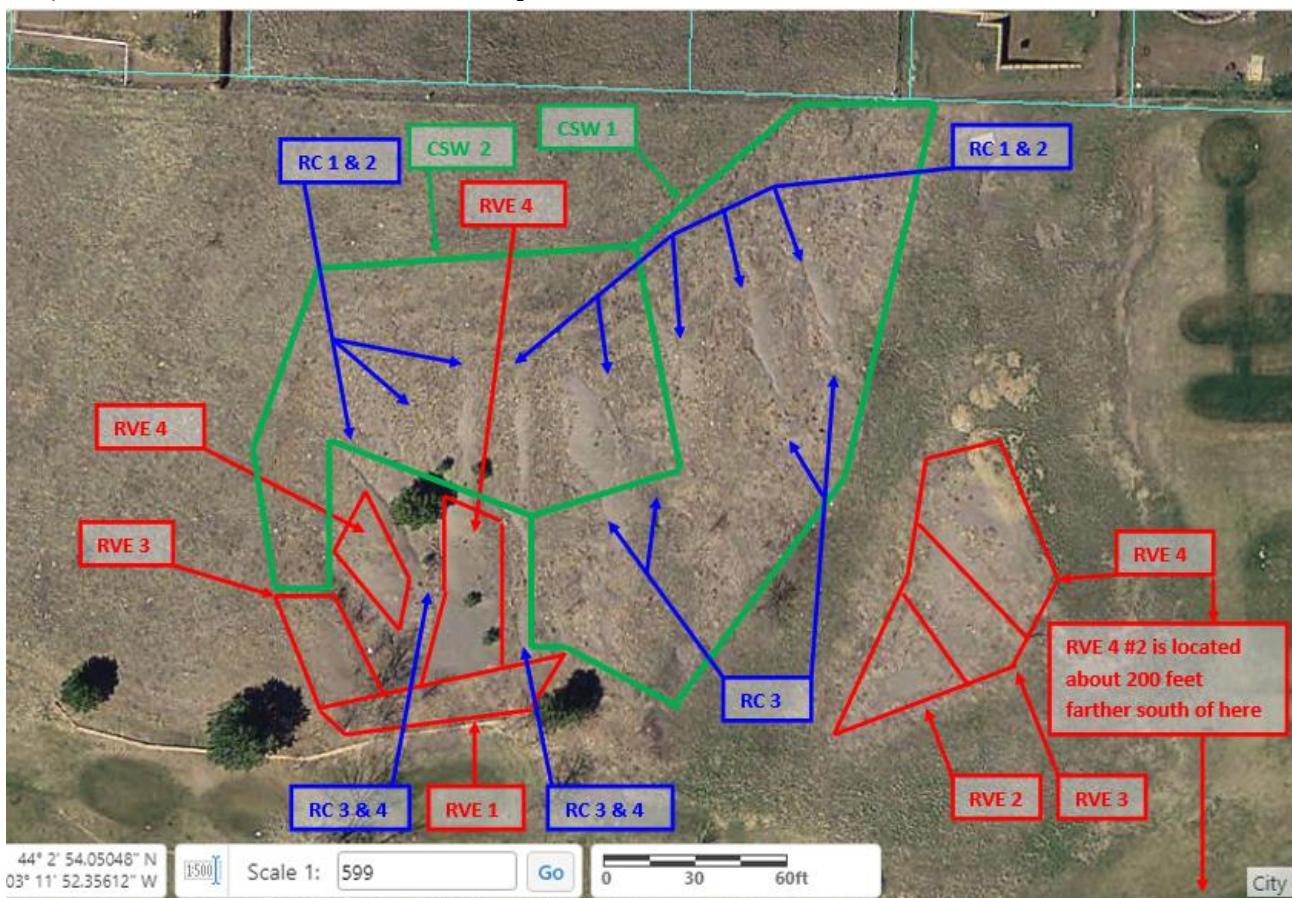


Table A1 (in the Attachments section) provides descriptions for three primary erosion-control methods that include rilling control, cross-slope wattling, and revegetation efforts. Table A 1 includes a listing of the “intended application” for each method, which also includes various “treatment levels” that become progressively more aggressive for progressively more difficult applications.

Table A2 (in the Attachments section) provides an action plan for the three primary erosion-control methods. It

is envisioned that rilling control can be accomplished with the least cost and effort of the three primary methods. The largest and deepest rills, which are in the southeast part of the project area (fig. 1), will be treated with anchored hay bales that are reinforced with silt fencing to help retain sediment and hopefully will encourage self-healing during future years.

The largest part of the project area will be treated with cross-slope wattling, which hopefully will also encourage self-healing during future years. Large parts of these “CSW” areas (fig. 2) are partially vegetated, and it is hoped that self-healing can be accomplished at a fraction of the cost that would be incurred by using the highly aggressive revegetation methods that would be required for these steep slopes. As installation of the cross-slope wattling progresses from upslope to downslope, it likely will blend in with the rilling control measures that will progress from downslope to upslope. Thus, it might be efficient to implement both measures during a single operation.

Revegetation methods are planned for six discrete areas shown on figure 1, plus one small area located about 200 feet farther south (not shown in order to provide higher resolution on figure 1.) There are two level 4 (RVE 4) revegetation areas in the southeast part of the project area that may not be treated during the first year, as leaving these areas untreated may provide a source of sediment to help in filling and smoothing the large, deep rills located immediately nearby. A decision on this will be made in advance of implementation through discussions among involved parties. Plans are to strive to complete most or all revegetation efforts by mid- to late-August or early September of 2021, which hopefully will allow for optimal opportunity for germination and preliminary establishment of vegetation, if favorable fall weather conditions would occur. The following spring and early summer could provide another opportunity for germination, if fall conditions prove unfavorable.

The planned project duration is three years; however, hopes are that most of the erosion-control measures can be accomplished during the first year. Plans are that the condition of the areas treated with rilling control and cross-slope wattling will be revisited during the second and third project years to evaluate the effectiveness of these measures and provide additional remediation, if needed.

Table A3 (in the Attachments section) provides a preliminary list of materials, supplies, and associated cost estimates. The total cost for the entire project is estimated as \$12,000. Most of the planned funding likely will be expended during the first year; however, at least some minor costs may arise during the second and third years to address additional remediation needs.

Attachments to Erosion-Control Plan for LaCroix Disc Golf Course Project Area

Table A1. Description of proposed erosion-control methods for LaCroix Disc Golf Course project area.

Treatment Level	Description	Intended application
Methods for rilling control (RC on figure 1)		
Level	Description	Intended application
1	Relatively minor treatment such as wattles	Shallow rills on gentle slopes
2	More rigorous treatment such as possibly filling the length of rills with wattles	Deeper rills on steeper slopes
3	Progressively more rigorous treatment such filling rills with anchored straw bales	Increasingly larger and deeper rills on steeper slopes
4	Similar to Level 3, but also will include silt fencing to help retain sediment	For use in largest/deepest rills; may require additional treatment in future years

Methods for cross-slope wattling (CSW on figure 1)			
1	Install cross-slope wattles (striving for level installation) in tiered/stair-step fashion	Moderately steep slopes with intermixed vegetation and exposed shale; wattles spaced by up to 10 feet	
2	Similar to Level 1 but with increasingly tighter wattle spacing for steeper slopes	Moderately steep slopes with intermixed vegetation and exposed shale; wattles spaced by about 5 feet	
1 & 2	Wattle placement and spacing to be guided by natural topography	Rugged topography is not conducive to predefined spacing; better approach is to place wattling to fit within small existing benches and other features	
1 & 2	“Implant” wattles in small depressions	Hand-held hoes should be effective for creating small depressions to help prevent undercutting of wattles	
1 & 2	Tie wattles down securely with stakes	Tight spacing will be needed to secure solidly	
1 & 2	Addition of vegetation seed and fertilizer	Vegetation seed and fertilizer will be added by hand in CSW areas; may decide to defer to a second year or repeat in future years, as needed.	
Methods for revegetation efforts (RVE on figure 1)			
1	Light mulching/topsoiling/seeding; securing with geofabric not required	Relatively level ground; most typically depositional areas holding weathered shale sediment	
2	Moderate mulching/topsoiling/seeding secured with a single layer of lightweight geofabric	Relatively gentle slopes with partial grass coverage or some amount of weathered shale, which will reduce the amount of necessary mulch	
3	Heavy mulching/topsoiling/seeding secured with a single layer of heavy geofabric	Relatively steep slopes with minimal weathered shale, which will increase the amount of necessary mulch	
4	Heavy mulching/topsoiling/seeding secured with heavy geofabric; plus cross-slope wattling to reduce slope runs	Extremely steep slopes with minimal weathered shale, which will increase the amount of necessary mulch	

Table A2. Action plan for erosion-control measures for LaCroix Disc Golf Course project area.

Action #	Area(s)	Action	Comments
Rilling control actions			
1.1	NA	Procure materials for rilling control and haul to site	Main materials will be straw bales, wattles and stakes
1.2	RVE 1 & nearby rills	Perform minor tree/brush cleanup in RVE 1 and upslope areas	Trim/remove dead woody material to improve access in southwest part of the project area; debris to be placed in deep RC 3 & 4 rills before rilling control begins
1.3a	RC 1, 2, 3 & 4	Perform rilling control in all rills	Expect to accomplish all rilling control for all areas in first year
1.3b	RC 3 & 4	Start with most aggressive methods	Supplement straw bales with silt fencing in

		in largest/deepest rills	most severe rills
1.3c	RC 1 & 2	Progress to less aggressive methods for less severe rilling	Anticipate progressing from downslope to upslope in any given rill
1.3d	RC 1, 2, 3 & 4	Revisit rilling control in out years to evaluate effectiveness and provide additional remediation if needed	Anticipate need for additional remediation in at least a few areas
Cross-slope wattling actions			
2.1	NA	Procure materials for cross-slope wattling and haul to site	Main materials will be wattles and stakes
2.2	CSW 1 & 2	Perform all cross-slope wattling in areas CSW 1 & 2	Expect to accomplish all cross-slope wattling in first year
2.2a	CSW 1 & 2	Start first in upslope part of CSW 1 before moving into CSW 2	Anticipate progressing upslope to downslope fashion
2.2b	CSW 1 & 2	Can begin work in CSW 2 as soon as efforts in CSW 1 progress to top of CSW 2	The only distinction between CSW 1 and 2 is that wattle spacing needs to be tighter as slopes steepen
Same	Same	NA	Expect that tighter spacing in CSW 2 can blend into wider spacing in CSW 1
Same	Same	NA	Expect that as efforts in CSW 1 & 2 progress downslope, efforts can blend into rilling control that is progressing in an upslope direction
Same	Same	NA	As such, performing rilling control and cross-slope wattling simultaneously would be most efficient, if sufficient work force is available
2.2c	CSW 1 & 2	May perform limited vegetation seeding and fertilization throughout the CSW areas	May wait until second or third year for most of the seeding and fertilization
2.2d	CSW 1 & 2	Revisit cross-slope wattling in out years to evaluate effectiveness and provide additional remediation and seeding if needed	Anticipate a likely need for at least some minor additional remediation in at least a few areas, such as additional seeding/fertilization or the like

Revegetation actions			
3.1		Procure materials for revegetation efforts and haul to site	Main materials will be mulch/topsoil, geofabrics and stakes
3.2	RVE 2, 3 & 4	Level 2, 3 & 4 revegetation efforts	These areas are in the southeast part of the project area, which transition from RVE 4 to RVE 2 in downslope direction
3.3	RVE 4 #2	Level 4 revegetation efforts	Another RVE 4 area about 200 feet farther

			south increases RVE 4 efforts by about 50%
3.4	RVE 3	Level 3 revegetation efforts	This is the RVE 3 area in the southwest part of the project area
3.5a	Two RVE 4 areas	Level 4 revegetation efforts	These are the two RVE 4 areas in the southwest part of the project area
3.5b	RVE 4 & RVE 4	May elect to defer efforts on these two areas until the second or third project year	Might elect to defer effort and see if sediment from these areas begins filling the proximal deep rills
3.6a	RVE 1	Level 1 revegetation efforts	RVE 1 is in the southwest part of the project area; must be done last as materials for RVE 3 & 4 areas to the north must be brought in through this area
3.7	All RVE areas	Revisit all RVEs during out years to evaluate effectiveness and provide additional remediation if needed	Anticipate a likely need for at least some minor additional remediation in at least a few areas, such as additional seeding or the like

Table A3. Materials, supplies, and associated cost estimates.

Item	Quantity	Unit cost (\$)	Total cost (\$)	Additional comments
Materials and supplies for rilling control				
Small square straw bales	50	8	400	Unit cost includes delivery
Rebar stakes to secure bales (and possibly silt fence also?)	100	3	300	Unsure what might work for driving stakes/posts into bedrock shale
Silt fencing to further secure bales in some locations				
- Steel t-bar fence posts	50	6	300	
- Fabric	1 roll	106	106	333 feet per roll
- Wire backing	1 roll	148	148	333 feet per roll
- Clips			20	To secure fabric, wire, and backing
Wattles and stakes			0	Included with CSW materials/supplies
Sub-total			1,274	
Materials and supplies for cross-slope wattling				
Wattles	20 rolls	233	4,660	333 feet per roll
Stakes – various types			500	May need several types of stakes for different soil/shale circumstances
Seed mix (100 lb per acre)	120 lb	3.00	360	Mix TBD ¹ through future discussions
Fertilizer (200 lb per acre)	240 lb	0.60	144	

<i>Sub-total</i>			5,664	
Materials and supplies for revegetation efforts				
Vegetation seed mix	Included with CSW	0	Mix TBD ¹ through future discussions	
Fertilizer	Included with CSW	0		
Topsoil and trucking		0	To be provided by Parks Dept.	
Mulch from landfill		0	To be provided by Parks Dept	
Erosion blanket	8 rolls	70	560	1,200 square feet per roll
Stakes/pins for erosion blanket	4 boxes	45	180	1,000 pins per box
Wattles and stakes			0	Included with CSW materials/supplies
<i>Sub-total</i>			740	
Materials/supplies for miscellaneous activities and contingency				
Material/supply delivery		500		
Contingency costs for miscellaneous items and various unforeseen expenses		3,822		
<i>Sub-total</i>			4,322	
Grand total for all costs				
Sum of all costs above			12,000	

¹TBD – to be determined: vegetation seed mixes may be different for different applications and will be determined later using input from various informed sources. Current cost estimate is based on a high unit cost in hopes of having a conservative estimate.

AGENDA ITEM 16: Motion to enter Executive Session (SDCL 1-25-2): Discussion of attorney opinion (Chair)

Motion to exit Executive Session

AGENDA ITEM 17: Chair's comments.

AGENDA ITEM 18: Items from directors.

AGENDA ITEM 19: Items from admin.

AGENDA ITEM 20: Items from public.

AGENDA ITEM 21: Adjournment