

21-08 - South Heart Golf Course Building Authority - The Reuse of Recycled Water to Reestablish Healthy Soil Conditions and Regenerate Green Space used by the Public for Outdoor Recreation

Application Details

Funding Opportunity: 21075-Outdoor Heritage Fund September 2022 - Round 21
Funding Opportunity Due Date: Sep 2, 2022 5:00 PM
Program Area: Outdoor Heritage Fund
Status: Submitted
Stage: Final Application

Initial Submit Date: Sep 1, 2022 9:31 PM
Initially Submitted By: Shane Goettle
Last Submit Date:
Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes
Type: External User
Name: Salutation Shane C Goettle
First Name Middle Name Last Name
Title: Consultant
Email*: sgoettle@odney.com
Address*: 11PO Box 2035

Bismarck North Dakota 58502
City State/Province Postal Code/Zip
Phone*: 701-426-0576 Ext.
Phone
###-####
Fax: ### ###-####
Comments:

Organization Information

Status*: Approved
Name*: South Heart Golf Course Building Authority
Organization Type*: In-State Non-Profit
Tax Id:

Organization Website:

Address*:

100 Pheasant Drive

PO Box 103

South Heart North Dakota 58655-_____

City State/Province Postal Code/Zip

Phone*:

(701) 677-4653 Ext.

####

Fax:

####

Budget

Objective of Grant

Objective of Grant:

To create broader public use and enjoyment of green space and enjoyment of nature by the general public (golfing, walking/jogging, birding, cross country skiing, and fishing) through water reuse/recycling projects that will enable soil remediation and regeneration of green space.

Summary

Grant Request: \$209,588.80

Matching Funds: \$69,862.94

Total Project Costs: \$279,451.74

You must have at least 25% match

Percentage of Match: 25.0%

Project Expenses

Project Expense Description	OHF Request	Match Share (Cash)	Match Share (In-Kind)	Match Share (Indirect)	Other Project Sponsor's Share	Total Each Project Expense
6" Water Pipe (4,400 ft)	\$30,360.00	\$10,120.00	\$0.00	\$0.00	\$0.00	\$40,480.00
Trenching and Installation of Water Feed Line	\$126,000.00	\$42,000.00	\$0.00	\$0.00	\$0.00	\$168,000.00
Reuse Pipe Tie-In	\$30,873.75	\$10,291.25	\$0.00	\$0.00	\$0.00	\$41,165.00
Components (valves, molded tee, concentric reducer, meter, misc.)	\$22,355.05	\$7,451.69	\$0.00	\$0.00	\$0.00	\$29,806.74
	\$209,588.80	\$69,862.94	\$0.00	\$0.00	\$0.00	\$279,451.74

Budget Narrative

Budget Narrative:

The project involves the acquisition and installation of 4,400 ft of six inch pipe to provide reuse water for irrigation purposes, soil restoration and conservation. Quotes for the costs of the pipe, trenching and installation, including a tie-in to the Dickinson water system, and all necessary components, are included in this grant request. The application will provide the 25% match against the 75% OHF request for \$202,940.93.

Bid Attachments

Description	File Name	Type	Size	Upload Date
\$40,480 - Quote for 4,400 ft of 6" water pipe.	0317349 PHEASANT QUOTE.pdf	pdf	24 KB	08/30/2022 02:53 PM
SECOR Cover letter for pipe quote	pcgc pipe quote.pdf	pdf	150 KB	08/30/2022 02:54 PM
\$168,000 Almers quote for trenching and installation -	Almers Shop_20220826_160606.pdf	pdf	111 KB	08/30/2022 02:55 PM
\$41,165 quote from Cordova for tap / tie in	Est_1461_from_Cordova_Construction_4396.pdf	pdf	192 KB	08/30/2022 02:57 PM
\$29,806.74 - Quote for various components (valves, molded tee, concentric reducer, meter, misc.)	0317847 PCGC QUOTE.pdf	pdf	27 KB	09/01/2022 09:28 PM

Match Funding

Match Amount	Funding Source	Match Type
\$69,862.94	South Heart Golf Course Building Authority	Cash
\$69,862.94		

Description

Directives

Major Directive*:

Directive D
Choose One

Additional Directive:

Choose All That Apply

Type of Agency*:

Tax-exempt, nonprofit corporation
Choose One

Abstract/Executive Summary

Abstract/Executive Summary*:

Creating Drought Resilient Community Greenspace utilizing reuse water that will enable soil enrichment and conservation practices in Southwest North Dakota. The South Heart Golf Course Building Authority (SHGCBA), a North Dakota 501(c)4 non-profit, has operated the Pheasant Country Golf Course in South Heart, North Dakota since 1997. This volunteer led recreational area was a success until battling prolong drought the last few years which forced the course to close its doors in 2021. Up through 2021, SHGCBA used water rights from the Heart River as the irrigation source for the greenspace. The water quality in normal years of precipitation is poor and during drought years the water is not suitable whatsoever for

horticultural use. This poor water quality, drought conditions and lack of snowfall has affected the viability of the recreational area. SHGCA wishes to pursue Grant dollars to pursue and implement a water reuse project that will enable soil remediation and water conservation practices on this recreational area. SHGCBA seeks funding for the reuse water project that will then support both the soil remediation and water conservation. Specifically, SHGCBA plans to pursue the following projects: 1. Reuse Water Project: a. Contract with the City of Dickinson to use up to 275,000 gallons per day of recycled water; and b. Install a pipeline to transport the reuse water from City of Dickinson/South Heart existing infrastructure to the Golf Course Water Holding Pond. 2. Soil Remediation Project: a. Pelletized Lime amendments; and b. In-line water chemical treatment. 3. Water Conservation Project: a. The use of modern water saving irrigation equipment; b. Create soil health that absorbs and retains water longer.

Project Duration

Project Duration*:

The intent is to complete this water reuse project in the 2022 calendar year. Work will commence in September. If the project is completed before winter freeze/snow, there will be no further work to continue in 2023. If weather condition hamper progress this fall, the backup plan is to finish the water reuse project in next spring/summer 2023.

Narrative

Narrative

Briefly summarize your organization's history, mission, current programs and activities. Include an overview of your organizational structure, including board, staff and volunteer involvement.

Organization Information*:

The South Heart Golf Course Building Authority (SHGCBA) is a North Dakota 501(c)4 non-profit. It has operated the Pheasant Country Golf Course in South Heart, North Dakota since 1997. This volunteer led recreational area was a success until prolonged drought and poor water quality caused soil conditions to deteriorate to a point where remediation measures were required. The organization by a five-member board. The organization retains a general manager, a grounds superintendent, and then approximately eight other permanent and seasonal staff. One of our proudest accomplishments has been the success of our youth golf programs. Since 2006, our golf clinics have become an extremely popular activity this course provides for youth in both our own and surrounding communities. What began as a program with eight participants increased its attendance to include our largest group of 237 youth golfers in recent years. The focus of our clinics is to teach kids the rules of golf, proper club swing and selection, course management as a player, golf course etiquette, and most importantly, to love the game of golf. Our clinics conclude with contests, a small tournament, awards, and valuable prize giveaways that include clubs, balls, head covers, hats, clothing, shoes, and bags. One hundred percent of the clinic registration fees are given out in prizes. We stress that the habits they learn at our clinics lay the foundation for lifelong enjoyment of the game. More information about this specific program is attached as a supporting document.

Describe the proposed project identifying how the project will meet the specific directive(s) of the Outdoor Heritage Fund Program.

Identify project goals, strategies and benefits and your timetable for implementation. Include information about the need for the project and whether there is urgency for funding. Indicate if this is a new project or if it is replacing funding that is no longer available to your organization. Identify any innovative features or processes of your project.

Note: if your proposal provides funding to an individual, the names of the recipients must be reported to the Industrial Commission/Outdoor Heritage Fund. These names will be disclosed upon request.

If your project involves an extenuating circumstance to [exempted activities](#) please explain.

Purpose of Grant*:

To Create a Drought Resilient Community Greenspace using tertiary waste water, soil remediation and conservation practices in Southwest North Dakota. The Pheasant Country Golf Course in South Heart is a volunteer-led multi-use (golf, recreational walking/jogging, bird watching, cross country skiing, and fishing) recreational area operated successfully until a prolonged drought during 2020-2021 forced the facility to close to the public in 2021 due to the decline in both water quality and quantity in the Heart River that served as the source of irrigation water for the course. As water quality for irrigation declined in the river, it impacted the soil quality of the course and the vegetation growing there. SHGCA wishes to pursue grant dollars to bring high-quality recycled waste water from the nearby city of Dickinson that will further enable SHGCA to remediate the soil and vegetation of the course greenspace by amending the soil, reestablishing vegetation. The state-of-the-art facility in Dickinson serves as a regional wastewater treatment location not only for the city of Dickinson, but other surrounding communities, area industries, septage haulers, and crew camps. The wastewater treatment facility currently provides water for irrigation, oil refinery processes and oil field fracking. SHGCBA plans to apply recommended quantities of lime (calcium carbonate) in conjunction with high-quality recycled waste water to displace excessive sodium that accumulated in the soil from poor-quality irrigation water used during the period of drought. SHGCBA plans to contract with the city of Dickinson to use up to 275,000 gallons per day of recycled water to be delivered via an existing unused pipeline between the city of Dickinson and South Heart. The water will then be temporarily stored in an existing holding pond at the SHGCBA facility before distribution through the irrigation system. Modern high-efficiency irrigation equipment will be employed to maximize water use efficiency while restoring the health of the soils and vegetation on the course.

Please list the counties that would be impacted by this project:

Counties*:

Adams,Billings,Bowman,Dunn,Golden Valley,Hettinger,Stark

Is This Project Part of a Comprehensive Conservation Plan?* No

If Yes, Please Provide Copy of Plan:

Does Your Project Involve an Extenuating Circumstance?* No

Please Explain:

Provide a description of how you will manage and oversee the project to ensure it is carried out on schedule and in a manner that best ensures its objectives will be met. Include a brief background and work experience for those managing the project.

Management of Project*:

A consultant was employed to develop the conservation plan. A soil scientist has also been engaged to provide project recommendations. The SHCGBA Board and management staff are and will be very engaged in oversight and management of the project from beginning through completion.

Indicate how the project will be funded or sustained in future years. Include information on the sustainability of this project after OHF funds have been expended and whether the sustainability will be in the form of ongoing management or additional funding from a different source.

Sustainability*:

Maintenance of this new water infrastructure through the operations budget of SHCGBA. Water and soil conditions will be a major focus going forward to ensure future sustainability of this green space.

Indicate how the project will be affected if less funding is available than that requested.

Partial Funding*:

If less funding is available that what SHCGBA is requesting in this grant application, then SHCGBA will need to work to identify other funding sources or raise the funds from private individuals.

If you are a successful recipient of Outdoor Heritage Fund dollars, how would you recognize the Outdoor Heritage Fund partnership? * There must be signage at the location of the project acknowledging OHF funding when appropriate. If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be.

Partnership Recognition*:

Upon completion of the overall project, SHCGBA intends to have a grand reopening of this facility. All partners will be recognized at this event. Permanent and prominent signage will be installed at the facility recognizing all funding partners.

Do you have any supporting documents, such as maps or letters of support that you would like to provide? If so, please provide them in a single file.

Supporting Documents*: Yes

If Yes, Please Provide Copies in a Single File: [Youth Golf at Pheasant Country Golf Course.pdf](#)

Awarding of Grants - Review the appropriate sample contract for your organization. [Sample Contract](#)

Can You Meet All the Provisions of the Sample Contract?* Yes

If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be:

Provisions Unable to Meet:

Tasks

Tasks

Task	Start Date	Completion Date
Acquisition of pipe, fittings, tie-in tap, and installation.	09/02/2022	12/31/2022

Description of Tasks

Please Describe Tasks:

We will bury and connect 4,400 feet of six inch pipe to the Southheart Municipal Waste Water System. Additionally, we will tie into the City of Dickinson reuse water line located by the Marathon Renewable Diesel Facility.

Deliverables

Deliverables

Deliverable	Quantity	Unit of Measurement, if applicable
Final completion of water project	1	N/A

Certification

Certification

Certification: Yes
Name: Paul Clays
First Name Last Name
Title: President
Title
Date: 08/31/2022

Internal Application Number

#/ID: 21-08

Quote

SECOR

17321 GROESCHKE ROAD
 HOUSTON, TX. 77084
 WWW.SECORONLINE.COM
 (281) 556-1661

Order Number: 0317349
 Order Date: 8/25/2022

Customer Number: 96-PHESANT

Sold To:
 PHEASANT COUNTRY GOLF COURSE
 PO BOX 103
 SOUTH HEART, ND 58655

Ship To:
 PHEASANT COUNTRY GOLF COURSE
 103 PHEASANT DR
 SOUTH HEART, ND 58655

Confirm To: MELANIE EPPERLY OR HOPE KLEIN

ATTN:

Customer P.O.	Ship VIA	F.O.B.	Terms	Salesperson:
	BEST WAY	DESTINATION	PRIOR TO SHIPPING	CHRIS WEIGHT

LINE #	Item Code / Description	Unit	Drop Ship	Whse	Ordered	Shipped	Price	Amount
000001	06634710110W050 6" X 50' SDR 11 4710 PIPE WATER	FT	N	WYO	4,400.00	0.00	9.200	40,480.00
PIPE IS QUOTED DELIVERED TO SOUTH HEART, ND								
PIPE CAN START PRODUCTION ON SEPTEMBER 2ND, 2022								

Is your Resale Certificate valid? If not, please send a valid Resale Certificate to avoid sales tax charges.

CHRIS WEIGHT

Net Order:	40,480.00
Freight:	0.00
SOUTHHEAR Sales Tax:	2,833.60
Order Total:	43,313.60



1460 Garman Court
Office 307-682-7307 Fax 307-682-2035

QUOTE # 0317349

Date: August 25, 2022

Attention: Jim Arthaud

Client: Pheasant Country Golf Course

Subject: 4,400' 6" DR 11 Pipe Add On

Location: South Heart, ND

Jim,

Secor is pleased to offer 4,400 feet of 6 in DR 11 pipe as an add on for the Pheasant Country Golf Course in South Heart, ND at \$9.20 per foot delivered. This pipe can start production on September 2nd, 2022.

Regards

Chris Weight



Date: 8/26/2022

To: Jim Arthaud

Jima@midstate.net

701.290.9015

**PHEASANT COUNTRY GOLF COURSE
AUXILIARY WATER FEED LINE
BUDGETARY**

	QTY	MEAS	RATE	TOTAL
Mobilization / Demob	1	EA	\$ 15,000.00	\$ 15,000.00
6" DR 11	3,500	LF	\$ 20.00	\$ 70,000.00
Bores	200	LF	\$ 55.00	\$ 11,000.00
Tie to existing 8"	6	DAY	\$ 10,000.00	\$ 60,000.00
Launcher /Receiver Fabrication/Install	2	EA	\$ 6,000.00	\$ 12,000.00

TOTAL ESTIMATE \$ 168,000.00

Inclusions:

- 36" Cover to TOP
- Tracer wire & Ditch Tape Installation
- Data-Logged Joints
- Air Testing
- Backfill with native material
- Rocks disposed of onsite
- Sand bags if required
- Unloading of pipe from manufacturer
- Bore Profiles to PCGC when completed
- Quantities to be measured

Exclusions:

- Traffic & Erosion Control
- Sand for Padding if Required
- Engineering, Survey
- Permits
- Construction Materials - Pipe, Tracer Wire, Fittings, Etc.
- Hydro Vac add \$450/hr
- Dewatering
- Winter Conditions



10939 27D St SW -- Dickinson, ND 58601
 Phone: 701-483-8844 Fax: 701-483-8843
 Email : cordova@cordovago.com

Estimate

Date	Estimate #
8/22/2022	1461

Name / Address
City of Dickinson Public Works Attn : Duane Zastoupil 3411 Public Works Blvd Dickinson, ND 58601

Reuse Pipe Tie In

Project Description
116th Ave & Hwy 10

Description	Qty	Unit	Rate	Total
Mobilize Equipment To Work Site. Expose Existing Utilities. Demo & Remove Existing 8" Pipe Section & Install Cap. Complete New Tie-In Per Plan Including (2) 8" Gate Valves, (3) 8" Fittings, Tie In Near Manhole #2, Tapping Saddle, Hot Tap To 6" Force Main, 8" Piping, Excavation, Backfill, Topsoil & Seeding. NOTES: Estimate Does Not Include Any Engineering, Staking Or Geotechnical Testing Estimate Assumes Excavated Material Is Suitable For Backfill If Rock Or Ground Water Are Encountered, Bid Will Increase At A Time & Materials Rate Estimate Does Not Include Any Winter Costs Estimate Does Not Include Any Import Or Export Of Earth Materials	1	L.S.	41,165.00	41,165.00
All Amounts Not Paid Within 30 Days Will Be Subject To A 1.5% Per Month Service Charge On All Unpaid Balance Until Paid. Any Attorney's Fees Incurred To Collect Unpaid Balance Will Be Due From Customer.			Total	\$41,165.00

Acceptance Signature On This Estimate Signifies A Binding Contract In Which Signer
 Agrees To Pay Contractor For The Completion Of Work And Materials As Stated
 Above.

Acceptance Signature _____

Quote

SECOR

17321 GROESCHKE ROAD
 HOUSTON, TX. 77084
 WWW.SECORONLINE.COM
 (281) 556-1661

Order Number: 0317847
 Order Date: 9/1/2022

Customer Number: 96-PHESANT

Sold To:
 PHEASANT COUNTRY GOLF COURSE
 PO BOX 103
 SOUTH HEART, ND 58655

Ship To:
 PHEASANT COUNTRY GOLF COURSE
 103 PHEASANT DR
 SOUTH HEART, ND 58655

Confirm To: MELANIE EPPERLY OR HOPE KLEIN

ATTN:

Customer P.O.	Ship VIA	F.O.B.	Terms	Salesperson:				
	BEST WAY	SHIP POINT	PRIOR TO SHIPPING	CHRIS WEIGHT				
LINE #	Item Code / Description	Unit	Drop Ship	Whse	Ordered	Shipped	Price	Amount
000001	GVRW-FF080SPEC 8" RESILIENT WEDGE GATE VALVE , FLANGED, LZ, BUNA N WEDGE, HOLIDAY FREE INTERIOR	EACH	N	WYO	4.00	0.00	3,078.570	12,314.28
000002	GVRW-FF060SPEC 6" RESILIENT WEDGE GATE VALVE , FLANGED, LZ, BUNA N WEDGE, HOLIDAY FREE INTERIOR	EACH	N	WYO	2.00	0.00	1,607.140	3,214.28
000003	513863863082 8" 4710 B.F. MOLDED TEE SDR 11 200 PSI (GFCP 10007789 / 360000551)	EACH	N	WYO	2.00	0.00	147.000	294.00
000004	514863663082 8" X 6" 4710 B.F. CONCENTRIC REDUCER SDR 11 200 PSI (GFCP 10007483)	EACH	N	WYO	2.00	0.00	62.000	124.00
000005	511663082LREL 6" 4710 B.F. 45 DEG LONG RADIUS SWEEP SDR 11 200 PSI	EACH	N	WYO	4.00	0.00	254.400	1,017.60
000006	512663082LREL 6" 4710 B.F. 90 DEG LONG RADIUS SWEEP SDR 11 200 PSI	EACH	N	WYO	4.00	0.00	254.400	1,017.60
000007	/MISC STOCK 8" FLANGED MAG METER	EACH	N		1.00	0.00	9,875.000	9,875.00

Is your Resale Certificate valid? If not, please send a valid Resale Certificate to avoid sales tax charges.

CHRIS WEIGHT

Net Order:	27,856.76
Freight:	0.00
SOUTHHEAR Sales Tax:	1,949.98
Order Total:	29,806.74

Youth Golf at Pheasant Country Golf Course

One of our proudest accomplishments at Pheasant Country Golf Course has been the success of our youth golf programs. Since 2006, our golf clinics have become an extremely popular activity this course provides for youth in both our own and surrounding communities. What began as a program with eight participants increased its attendance to include our largest group of 237 youth golfers in recent years. The focus of our clinics is to teach kids the rules of golf, proper club swing and selection, course management as a player, golf course etiquette, and most importantly, to love the game of golf. Our clinics conclude with contests, a small tournament, awards, and valuable prize giveaways that include clubs, balls, head covers, hats, clothing, shoes, and bags. One hundred percent of the clinic registration fees are given out in prizes. We stress that the habits they learn at our clinics lay the foundation for lifelong enjoyment of the game.

The high school boys and girls golf programs in our community are very popular and successful as well. Since 2015, the Heart River Cougars golf programs have produced two state championship teams, one of which was invited to attend the National High School Golf Tournament this past summer. In addition, these teams have brought home four second place, three third place, and two fourth place state team titles. These combined programs have also seen ten regional team championships along with two individual state champions, eight regional athletes of the year, and three Gatorade players of the year from North Dakota.

Pheasant Country Golf Course is a proud supporter of both these youth programs in our community. We firmly believe that our youth golf clinics have helped our high school programs become so successful. Our main goal is to ensure that kids have access to a safe and welcoming course to call home. We strive for all our youth golfers to have clubs in their hands. As a result, we provide sets of clubs and push carts for kids to use during our youth clinics and for high school golfers to use all season if they need them. During the high school golf season, we partner with the school to provide use of the course at no cost to the district. Members of the high school golf teams are allowed to use the driving range year-round at no charge, while discounted membership rates are provided to all youth in our community.

As we watch our high school golfers volunteer at the very golf clinics they have grown up attending, we are reminded of the significant role Pheasant Country Golf Course plays in our small community. We now look to the future. We are certain that the extensive renovations and improvements being made to our course will provide us the opportunity to widen our reach and deepen our impact. Our golf course youth depend on us and in turn, we depend on them. They become our members, our employees, our friends, and our family. We are excited to continue our support of youth and youth programs for many years to come.