



Grant All-Detail Report Projects and Practices 2022

Grant Title - Epiphany Creek BIESF

Grant ID - C22-2120

Organization - Coon Creek WD

Original Awarded Amount	\$345,000.00	Grant Execution Date	3/18/2022
Required Match Amount	\$86,250.00	Original Grant End Date	12/31/2024
Required Match %	25%	Grant Day To Day Contact	Justine Dauphinais
Current Awarded Amount	\$345,000.00	Current End Date	12/31/2024

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$345,000.00	\$0.00	\$345,000.00
Total Match Amount	\$105,000.00	\$67,011.87	\$37,988.13
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$450,000.00	\$67,011.87	\$382,988.13

**Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.*

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction	Urban Stormwater Management Practices	Current State Grant	Epiphany Creek BIESF	\$345,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction	Urban Stormwater Management Practices	Local Fund	CCWD Levy	\$35,000.00			Y
Project Coordination & Administration	Administration /Coordination	Local Fund	CCWD Levy	\$13,500.00	\$11,850.28	12/31/2022	Y
Public Engagement	Education/Information	Local Fund	CCWD Levy	\$4,000.00	\$2,537.68	12/31/2022	Y
Technical & Engineering Assistance	Technical/Engineering Assistance	Local Fund	CCWD Levy	\$52,500.00	\$52,623.91	12/31/2022	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	1	1	10000 SQUARE FEET	SQUARE FEET
100M - Presentations	2		1 COUNT	COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Construction	PATHOGENS (E. COLI)	404000000000 CFU	Coon Creek	Literature Value	Treatment volume based on MPCA Simple Method; 80% removal efficiency (MN Stormwater Manual)
Construction	PHOSPHORUS (EST. REDUCTION)	23 LBS/YR	Coon Creek	Literature Value	Treatment volume based on MPCA Simple Method; 77% removal efficiency (MN Stormwater Manual)

Final Indicators Summary

Indicator Name	Total Value	Unit
PHOSPHORUS (EST. REDUCTION)	23.00	LBS/YR
PATHOGENS (E. COLI)	404,000,000,000.00	CFU

Grant Activity

Grant Activity - Construction	
Description	<p>This activity includes construction site preparation & maintenance, mobilization of equipment, installation of the filter and components, demobilization of equipment, and site restoration.</p> <p>All work will be completed by a qualified contractor selected using a competitive bidding process with oversight from Stantec and CCWD staff.</p> <p>One ~10,000 sq ft biochar/iron-enhanced sand filter will be installed in Robinson Park adjacent to Epiphany Creek, a major tributary to Coon Creek. The City of Coon Rapids is the sole property owner of Robinson Park and all access, staging, and construction will occur on land owned by the City of Coon Rapids.</p> <p>Water will be diverted from the stream and filtered to remove 23 lbs TP/yr and 404 billion organisms E. coli/yr.</p> <p>CCWD will contribute at least \$35,000 towards construction as local cash match.</p> <p>Key Milestones: 2023: -Construction contractor awarded by Sept 30</p> <p>2024: -Filter on-line by July 31 -Final completion by Oct 31</p>
Category	URBAN STORMWATER MANAGEMENT PRACTICES
Start Date	1-Oct-22
End Date	
Has Rates and Hours?	No
Actual Results	The project was advertised for public bids in October 2022. A contractor, North Pine Aggregate, was selected as the lowest responsible bidder and was awarded the project on 11/28/22. Site staking occurred in December for work to begin in January 2023, a full year ahead of schedule.

Activity Action - BIESF			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	biochar- and iron-enhanced sand filter		
Proposed Size / Units	10,000.00 SQUARE FEET	Lifespan	25 Years
Actual Size/Units	SQUARE FEET	Installed Date	
Mapped Activities	1 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for BIESF			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Simple Method (MPCA)
Waterbody	Coon Creek		
Final Indicator for BIESF			
Indicator Name	PATHOGENS (E. COLI)	Value	404000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Simple Method (MPCA)
Waterbody	Coon Creek		

Grant Activity - Project Coordination & Administration

Description	<p>This activity includes project coordination meetings with partners, construction management (securing permits, bid process, oversight), financial tracking, and all required grant reporting.</p> <p>This activity will be carried out by CCWD staff as in-kind match. Specifically, Jon Janke, CCWD Operations/Maintenance Coord, will be responsible for project management and construction oversight in conjunction with the Project Engineer (See Technical/Engineering Assistance Activity). Justine Dauphinais, CCWD Water Quality Coord, will be responsible for financial tracking and grant reporting with administrative oversight by CCWD Accountant.</p> <p>CCWD staff will work immediately to execute a Joint Powers Agreement with the City of Coon Rapids that provides proper assurances for access, construction, and long-term operations & maintenance for the effective life of the practice, at least 25 years. This agreement will be submitted to BWSR for review and approval prior to expending any grant funds. An example JPA is attached.</p> <p>Key Milestones:</p> <p>2022:</p> <ul style="list-style-type: none">-JPA executed by Sept 30- At least 2 project coordination meetings held <p>2023:</p> <ul style="list-style-type: none">-Submit grant progress report in eLink by Feb 1-Complete final project design by June 30-Award construction contractor by Sept 30 <p>2024:</p> <ul style="list-style-type: none">-submit grant progress report in eLink by Feb 1-sign off on final completion of constructed project by Oct 31-Submit final report in eLink by Dec 31		
Category	ADMINISTRATION/COORDINATION		
Start Date	22-Mar-22	End Date	

Has Rates and Hours?	Yes
Actual Results	<p>Project coordination and grant administration is ongoing. A kick-off meeting attended by all project partners (CCWD, City, Stantec) was held on 4/22/22 and check-in meetings were held on 9/30/22 and 10/21/22. Regular communication continues as needed. A JPA to formalize roles and responsibilities between CCWD and the City of Coon Rapids was executed on 6/21/22 (see attachment).</p> <p>The project was publicly bid in October 2022 and awarded to the lowest competent bidder, North Pine Aggregate, on November 28, 2022. Construction is scheduled to commence in January 2023 with oversight to be provided by CCWD staff and the project engineer.</p> <p>All required financial tracking and reporting was completed by CCWD staff.</p>

Grant Activity - Public Engagement

Description	<p>Efforts will be made to engage the public throughout the entire project. Local stakeholders will be invited to participate in a public open house to discuss local water quality impairments, the proposed BMP, and to gather feedback. Project updates will be published in the City of Coon Rapids' newsletter and on a dedicated project webpage. An interpretive sign will be installed on-site. Additionally, to engage water resource professionals, the results of this project will be presented at the annual MN Water Resources Conference .</p> <p>This activity will be carried out by CCWD staff as in-kind match. Specifically, Dawn Doering, Public Relations Coordinator, will oversee all public engagement efforts. Justine Dauphinais, Water Quality Coordinator, will present the results of the project at the MN WRC. An interpretive sign will be fabricated and installed by a qualified contractor (up to \$1000 of local cash match).</p> <p>Key Milestones:</p> <p>2022:</p> <ul style="list-style-type: none"> -Create project webpage by Aug 31 <p>2023:</p> <ul style="list-style-type: none"> -Update project webpage by Mar 31 -Host public open house by May 31 <p>2024:</p> <ul style="list-style-type: none"> -Update project webpage by Mar 31 -Submit article for inclusion in City Newsletter by June 30 -Install interpretive sign on-site by Oct 31 -Present project at UMN WRC by Nov 30 		
Category	EDUCATION/INFORMATION		
Start Date	23-Mar-22	End Date	
Has Rates and Hours?	Yes		
Actual Results	Public engagement activities are ongoing. A dedicated project webpage (https://www.cooncreekwd.org/ecfilter) was created and published on 5/3/22. A public informational meeting was held on 5/24/22 and a recording is posted on the project		

webpage.

An on-site message center sign was installed on 5/9/22 and is updated as needed with project developments.

An article introducing the project was published in the Hometown Source local paper in July 2023.

An article was drafted for publication in the winter edition of the Coon Rapids Connection City Newsletter.

Activity Action - Public Meeting			
Practice	100M - Presentations	Count of Activities	1
Description	Virtual or in-person public open house to engage and seek feedback from local residents and park users.		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Other

Activity Action - MN WRC presentation			
Practice	100M - Presentations	Count of Activities	1
Description	Results of this project will be presented at the annual MN Water Resources Conference.		
Proposed Size / Units	1.00 COUNT	Lifespan	Unknown
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Other

Grant Activity - Technical & Engineering Assistance

Description	<p>The District Engineer, Stantec, will provide technical and engineering assistance throughout the Project under the direction of CCWD staff. The Engineer will develop and complete design plans and specifications including any surveying and soil analysis, implement the bidding process, and provide construction oversight (supervision and inspections).</p> <p>Ed Matthiesen, P. E., will be the lead Engineer and will adhere to recognized design standards for all constructed practices (MN Stormwater Manual). Ed has designed many similar regional filtration BMPs including 3 within CCWD since 2018. This activity will be funded by CCWD as match.</p> <p>Key Milestones:</p> <p>2023:</p> <ul style="list-style-type: none">-Finalized design plans and specs by June 30-Project advertised for competitive bid by Aug 31 <p>2024:</p> <ul style="list-style-type: none">-sign off on final completion by Oct 31	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	23-Mar-22	End Date
Has Rates and Hours?	No	
Actual Results	<p>The project engineer, Eileen Weigel (P.E) of Stantec, developed design plans and specifications in accordance with accepted standards for filtration BMPs in the MN Stormwater Manual. Minimal geotechnical work (soil borings) was conducted in July 2022.</p> <p>A final project manual was delivered in September 2022 for the public bidding process which occurred in October 2022. The project was awarded to the lowest competent bidder, North Pine Aggregate, on 11/28/22.</p>	

Grant Attachments

Document Name	Document Type	Description
2022 Competitive Grant	Grant Agreement	2022 Competitive Grant - Coon Creek WD
2022 Competitive Grant EXECUTED	Grant Agreement	2022 Competitive Grant - Coon Creek WD
2022 Match Documentation	Progress	Progress Dated - 12/06/2022
2022 financial report	Progress	Progress Dated - 12/06/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/06/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2023
Application	Workflow Generated	Workflow Generated - Application - 08/16/2021
Application Image	Grant	Epiphany Creek BIESF
Example JPA	Grant	Epiphany Creek BIESF
Executed JPA	Grant	Epiphany Creek BIESF
Master Budget Tracking Spreadsheet 12.31.22	Progress	Progress Dated - 12/06/2022
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/09/2022
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/16/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/15/2022
grantmap_31072_2021-08-13_10-30-29-AM.jpg	Grant	Epiphany Creek BIESF