



Grant All-Detail Report Watershed Based Funding Metro 2019

Grant Title - 2019 - Watershed Based Funding Metro (Coon Creek WD)

Grant ID - P19-3261

Organization - Coon Creek WD

Original Awarded Amount	\$191,973.00	Grant Execution Date	10/22/2018
Required Match Amount	\$19,197.30	Original Grant End Date	12/31/2021
Required Match %	10%	Grant Day To Day Contact	Justine Dauphinais
Current Awarded Amount	\$191,973.00	Current End Date	12/31/2021

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$191,973.00	\$191,973.00	\$0.00
Total Match Amount	\$241,926.00	\$365,250.11	\$-123,324.11
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$433,899.00	\$557,223.11	\$-123,324.11

*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
Administration/Coordination	Administration /Coordination	Local Fund	CCWD in kind match	\$10,872.00	\$14,633.42	11/20/2020	Y
Construction	Urban Stormwater Management Practices	Current State Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)	\$171,973.00	\$171,973.00	12/31/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction	Urban Stormwater Management Practices	Local Fund	City of Blaine cash match	\$200,000.00	\$290,500.86	12/22/2020	Y
Project Development	Project Development	Local Fund	CCWD in kind match	\$4,554.00	\$4,722.08	11/20/2020	Y
Technical & Engineering	Technical/Engineering Assistance	Current State Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)	\$20,000.00	\$20,000.00	7/31/2019	N
Technical & Engineering	Technical/Engineering Assistance	Local Fund	CCWD	\$26,500.00	\$55,393.75	10/31/2020	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
712M - Bioretention Basin	1	1	1 COUNT	COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
PATHOGENS (E. COLI)	135,000,000,000.00	CFU
PHOSPHORUS (EST. REDUCTION)	25.00	LBS/YR

Grant Activity

Grant Activity - Administration/Coordination

Description	<p>This activity includes regular coordination & progress meetings and execution of Joint Powers Agreements with project partners (20%), construction project management (securing permits, bid process, contracts, oversight; 50%), and financial tracking & all required grant reporting (30%). This activity will be carried out by CCWD staff as in-kind match. Specifically, Justine Dauphinais, Water Quality Coordinator will be responsible for day-to-day project management, financial tracking, and grant reporting with administrative oversight by Tim Kelly, District Administrator and Julie Peterson, Accountant. Jon Janke, O&M Coordinator, will be responsible for construction management in conjunction with the District Engineer (See Technical/Engineering Assistance Activity for associated engineering budget).</p> <p>CCWD staff will work immediately to execute a Joint Powers Agreement with the City of Blaine that provides proper assurances for access, construction, and long-term operations & maintenance for the stormwater filter project. This agreement will be submitted to BWSR for review and approval prior to expending any grant funds.</p> <p>Key Milestones:</p> <p>Year 1 (thru Dec 2019):</p> <ul style="list-style-type: none"> -Submit annual grant report to BWSR by Feb 1 -Execute JPA with City of Blaine for Pleasure Creek Pond filter BMP by March 30 -Approve final design plans for bid packet by June 30 -Work plan progress check-in meeting with BWSR Board Conservationist by July 31 -Award contractor(s) by October 31 -Work plan progress check-in meeting with BWSR Board Conservationist by Dec 31 <p>Year 2 (thru Dec 2020):</p> <ul style="list-style-type: none"> -Submit annual grant report to BWSR by Feb 1 -Sign off on substantial completion of constructed project by April 30 -Work plan progress check-in meeting with BWSR Board Conservationist by July 31 -Work plan progress check-in meeting with BWSR Board Conservationist by Dec 31 		
Category	ADMINISTRATION/COORDINATION		
Start Date	14-Dec-18	End Date	20-Nov-20
Has Rates and Hours?	Yes		

Actual Results

Regular communication and coordination between CCWD staff, the project engineer, the City of Blaine, and BWSR Board Conservationist occurred. A JPA with the landowner (Blaine) was executed, the project was advertised for public bid, and constructed with careful oversight by CCWD staff. All grant administration and reporting requirements were fulfilled.

Grant Activity - Construction

Description	<p>This activity includes construction site prep & maintenance, installation of stormwater filter basin & interpretive signage, and site restoration. All work will be completed by one or more qualified contractors selected using a competitive bid process. Access, staging, & construction will all occur on City-owned land. Revegetation practices will adhere to BWSR's Native Vegetation Establishment guidelines.</p> <p>One iron-enhanced sand filter basin (divided into two cells, one with biochar media added) will be installed S of Blaine stormwater pond #303. This filter basin will receive stormwater from pond 303 via a pump system and discharge treated water to Pleasure Creek via an underdrain system. This project is expected to reduce TP loading to Pleasure Creek by 25 lbs per yr & also reduce E. coli loading. The City of Blaine intends to contribute \$200,000 towards construction as match.</p> <p>A preliminary feasibility study has been completed by Wenck for the proposed filter (attached).</p> <p>Key Milestones: Year 1 (thru Dec 2019): -Contractor(s) awarded by Oct 31</p> <p>Year 2 (thru Dec 2020): -Substantial completion by April 30 -Filter on-line by May 30 -Vegetation establishment by July 31</p>		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	31-Oct-19	End Date	18-Dec-20
Has Rates and Hours?	No		

Actual Results	The project was advertised for public bid and awarded to Peterson Companies by October 2019. Construction started in November 2019, the filter BMP was operational by July 2020, and the project engineer signed off on substantial completion by September 2020 and final completion as designed in December 2020 (see attached forms). The 2-month delay in bringing the filter on-line was due to covid-related manufacturing delays (pump components). Performance monitoring from July-October 2020 indicates that the filter is meeting design specifications for treatment volume and pollutant removal efficiencies and will therefore meet pollutant removal targets of 25 lbs TP/yr and 80% E. coli (~135 billion CFUs/yr) once operational for a full year. An interpretive sign was installed at the project site in October 2020 (see attached pdf for content).
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Activity Action - Filter BMPs			
Practice	712M - Bioretention Basin	Count of Activities	1
Description	iron-enhanced filter basin amended with biochar media as retrofits to existing stormwater pond		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Filter BMPs			
Indicator Name	PATHOGENS (E. COLI)	Value	135000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Literature Value
Waterbody	Pleasure Creek		

Final Indicator for Filter BMPs			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Other
Waterbody	Pleasure Creek		

Grant Activity - Project Development

Description	<p>Efforts will be made to engage the public and other stakeholders throughout the entire project. A public open house will be held to discuss local water quality impairments, the proposed BMPs, and to gather feedback (10%). Regular project updates will be published in City newsletters and on the CCWD's website (45%). Content for interpretive signage to be installed at each project site will be developed (30%). Furthermore, to engage water resource professionals, the results of this project, including pollutant reductions, will be presented at the annual MN Water Resources Conference (15%).</p> <p>This activity will be carried out by CCWD staff as in-kind match. Specifically, Dawn Doering, Information & Education Coordinator, will oversee all public engagement efforts with assistance from Britta Dornfeld, Outreach Assistant. Justine Dauphinais, Water Quality Coordinator, will present the results of the project at the MN WRC.</p> <p>Key Milestones:</p> <p>Year 1 (thru Dec 2019):</p> <ul style="list-style-type: none"> -Host public open house meeting by June 30 -Create project webpage by June 30 -Publish article in City newsletter by October 31 <p>Year 2 (thru Dec 2020):</p> <ul style="list-style-type: none"> -Complete interpretative signage content/design by March 30 -Update project webpage by April 30 -Present project and preliminary monitoring results at UMN Water Resources Conference by October 31 		
Category	PROJECT DEVELOPMENT		
Start Date	26-Mar-19	End Date	20-Nov-20
Has Rates and Hours?	Yes		
Actual Results	<p>A public open house was hosted at Blaine City Hall on 3/26/19. A dedicated project webpage was created (www.cooncreekwd.org/pcfilter) and updated regularly throughout construction. A newsletter regarding the project was distributed to the adjacent neighborhood and a message center was purchased and installed onsite along with informational brochures. Interpretive sign content and design was developed in Spring 2020 with fabrication and installation of the permanent sign in October 2020 (see attached image file). The project and preliminary monitoring results were presented at the 2020 UMN Water Resources Conference by Justine Dauphinais and Chase Vanderbilt on 10/20/20.</p>		

Grant Activity - Technical & Engineering

Description	<p>The District Engineer, Wenck Associates, 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, geotechnical analyses, and permitting (50%), implement the competitive bidding process (25%), and provide construction oversight (25%). Ed Matthiesen, P. E., a licensed professional, will be the lead Engineer and will adhere to recognized design standards for all constructed practices. The engineers at Wenck Associates have experience with the design of similar systems and have successfully filled this role many times for the CCWD over the past several years.</p> <p>Key Milestones:</p> <p>Year 1 (thru Dec 2019):</p> <ul style="list-style-type: none"> -Finalized design plans and specifications completed by June 30 -Project advertised for competitive bid by September 30 <p>Year 2 (thru Dec 2020):</p> <ul style="list-style-type: none"> -Sign off on substantial completion of constructed project by April 30 		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jan-19	End Date	31-Oct-20
Has Rates and Hours?	No		
Actual Results	Wenck Associates successfully completed project design, bidding, and construction oversight services. Wenck signed off that the project was constructed in accordance with the approved plans and specifications (see attached certificate).		

Grant Attachments

Document Name	Document Type	Description
2019 Watershed Based Funding Metro	Grant Agreement	2019 Watershed Based Funding Metro - Coon Creek WD
2019 Watershed Based Funding Metro EXECUTED	Grant Agreement	2019 Watershed Based Funding Metro - Coon Creek WD
2019-03-15 Request to revise work plan	Journal	Journal Dated - 03/15/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/10/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/10/2020

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/08/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/15/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2020
Anoka Co. Collaborative PTM plan	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
CCWD Staff Time_Administration&Coordination_ In Kind Match_2019	Progress	Progress Dated - 01/27/2020
CCWD Staff Time_ProjectDevelopment_2019	Progress	Progress Dated - 01/27/2020
Cash Match Documentation_2019	Progress	Progress Dated - 01/27/2020
Documentation_cash match_2020	Progress	Progress Dated - 01/05/2021
Documentation_staff time match_2020	Progress	Progress Dated - 01/05/2021
Final Completion Form_Dec 2020	Progress	Progress Dated - 01/05/2021
Financial Report_final	Progress	Progress Dated - 01/05/2021
Financial report year end 2019	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Grant Eligible Documentation_2019	Progress	Progress Dated - 01/27/2020
In kind match documentation	Progress	Progress Dated - 01/31/2019
Interpretive Sign	Progress	Progress Dated - 01/05/2021
Master Expenditure Tracking Spreadsheet	Progress	Progress Dated - 01/05/2021
Notes on related FY 19 Competitive gratn application	Journal	Journal Dated - 10/08/2018
P19-3261 Reconciliation Checklist	Journal	Journal Dated - 03/06/2020
PC IESF JPA Amendment	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
PC IESF Master Budget Tracking Spreadsheet	Progress	Progress Dated - 01/27/2020
PCIESF Executed JPA with landowner	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
PCIESF OM Plan	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Pleasure Creek Pond 303 Cost Estimate	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Pleasure Creek Pond 303 Prelim Design Sketch	Grant	2019 - Watershed Based Funding Metro (Coon Creek WD)
Substantial Completion Form_Sept 2020	Progress	Progress Dated - 01/05/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/11/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/15/2019