



## Grant All-Detail Report Projects and Practices 2020

**Grant Title** - 2020 City of Glenwood Targeted Urban Stormwater Implementation Project Phase 1

**Grant ID** - C20-6395

**Organization** - Pope SWCD

Original Awarded Amount	<b>\$292,500.00</b>	Grant Execution Date	<b>3/25/2020</b>
Required Match Amount	\$73,125.00	Original Grant End Date	12/31/2022
Required Match %	25%	Grant Day To Day Contact	Holly Kovarik
Current Awarded Amount	\$292,500.00	Current End Date	12/31/2023

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$292,500.00	\$205,177.21	\$87,322.79
Total Match Amount	\$73,125.00	\$59,163.59	\$13,961.41
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$365,625.00</b>	<b>\$264,340.80</b>	<b>\$101,284.20</b>

*\*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
City of Glenwood Match	Groundwater	Local Fund	Local	\$10,000.00	\$11,666.00	12/31/2021	Y
Construction Materials, contractor Labor, and Equipment	Urban Stormwater Management Practices	Current State Grant	2020 City of Glenwood Targeted Urban Stormwater Implementati..	\$205,000.00	\$142,492.74	10/7/2022	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction Materials, contractor Labor, and Equipment	Urban Stormwater Management Practices	Landowner Fund	landowner project match	\$63,125.00	\$47,497.59	10/7/2022	Y
Grant Management and Reporting	Administration /Coordination	Current State Grant	2020 City of Glenwood Targeted Urban Stormwater Implementati..	\$2,500.00	\$1,003.67	12/31/2022	N
Project Development	Project Development	Current State Grant	2020 City of Glenwood Targeted Urban Stormwater Implementati..	\$20,000.00	\$9,555.04	11/30/2022	N
Technical Assistance and Engineering	Technical/Engineering Assistance	Current State Grant	2020 City of Glenwood Targeted Urban Stormwater Implementati..	\$65,000.00	\$52,125.76	11/7/2022	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	9	9	9 COUNT	9 COUNT

### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Construction Materials, contractor Labor, and Equipment</b>	PHOSPHORUS (EST. REDUCTION)	17.0 LBS/YR	Lake Minnewaska	P8 Urban Catchment Model	

### Final Indicators Summary

Indicator Name	Total Value	Unit
<b>SEDIMENT (TSS)</b>	4.15	TONS/YR

<b>PHOSPHORUS (EST. REDUCTION)</b>	3.45	LBS/YR
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### Grant Activity

Grant Activity - City of Glenwood Match			
<b>Description</b>	The City intends to seal 3 public drinking water wells on city property. These are larger wells from the old system that is no longer in use. The City will use certified vendors to seal these wells to the Minnesota Department of Health standards and specifications.		
<b>Category</b>	GROUNDWATER		
<b>Start Date</b>	25-Mar-20	<b>End Date</b>	31-Dec-21
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	The City sealed 3 public drinking water wells on city property. These are larger wells from the old system that is no longer in use. The City will use certified vendors to seal these wells to the Minnesota Department of Health standards and specifications. These were sealed in 2021. This activity has been fully accomplished.		

**Grant Activity - Construction Materials, contractor Labor, and Equipment**

<p><b>Description</b></p>	<p>Contractors and earth work needed to complete the construction. Construction of BMPs such as: storm water ponds, retention/detention ponds, tree trenches, rain gardens, bio-swales, a ravine repair, and well sealings among others that provide similar water quality benefits as determined necessary. Cost share contracts will be available for up to 75% between the Pope SWCD and an individual landowner. Projects to be completed on city property will be conducted as the City of Glenwood being deemed a landowner. Landowners are responsible for hiring a contractor/vendor. The City will use their own engineer, WSN, and they will be expected to provide an estimate before work is completed. The PE of each engineering firm, WSN or the WCTSA, will be the technical sign-off on project designs.</p> <p>A clarification should be noted on the Phosphorus reduction goal. It should be listed as 5.34 LBS/YR under the proposed activity indicators as the goal for the entire grant. Water quality by reducing phosphorus and nitrogen along with sediment (excess nutrients and sediment) to Lake Minnewaska is the primary goal. The BMP 26 with the detention pond and ravine repair will treat 12 acres of stormwater runoff by providing 4,500 cubic feet of treatment volume via 1.5 foot depth of infiltration. This will reduce 2.84 pounds of TP and 1.97 tons TSS load reduction. Secondary benefits such as storm water management and flood reduction will be accomplished as well with the anticipated best management projects within the City of Glenwood. These BMPs and targeted load reductions are based on the City of Glenwood Water Quality Assessment and BMP Prioritization report from Houston Engineering.</p>		
<p><b>Category</b></p>	<p>URBAN STORMWATER MANAGEMENT PRACTICES</p>		
<p><b>Start Date</b></p>	<p>25-Mar-20</p>	<p><b>End Date</b></p>	
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>The Pope SWCD has been coordinating with the City of Glenwood on a major ravine repair. The project is installed and we have made two payments to the City for the contractor Seph Construction.</p> <p>The project has been fully constructed and two partial payments have been made to the City based on Seph Construction invoicing. We are waiting on final invoicing to spend the remaining funding for this project in spring 2022.</p> <p>The ravine project was fully finished in 2022 with final payment being completed in October once details were provided by Seph Construction and the City.</p> <p>The ravine came in under bid so this leaves funds remaining and conversations began for scoping the next site Upstream of 5th Street SE and 6th Ave SE BMP #8 in the Stormwater Study completed. WSN has provided an estimate for survey and design of the site \$44,160. The Pope SWCD has approved this scope of work and the scope was signed 01/10/2023. Once a design is prepared we will determine if components can be installed to utilize what remains in this grant and then apply to finish the project the next grant cycle.</p>		

Activity Action - GL02-2021 City of Glenwood Ravine Repair			
Practice	410 - Grade Stabilization Structure	Count of Activities	9
Description	9 structures were placed in the ravine		
Proposed Size / Units	9.00 COUNT	Lifespan	10 Years
Actual Size/Units	9.00 COUNT	Installed Date	31-Oct-21
Mapped Activities	9 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for GL02-2021 City of Glenwood Ravine Repair			
Indicator Name	SEDIMENT (TSS)	Value	4.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Lake Minnewaska		
Final Indicator for GL02-2021 City of Glenwood Ravine Repair			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Lake Minnewaska		

Grant Activity - Grant Management and Reporting			
Description	Pope SWCD staff managing reporting requirements of grant funds and eLINK updates.		
Category	ADMINISTRATION/COORDINATION		
Start Date	18-Feb-20	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>Pope SWCD staff has been completing reporting requirements for this grant and updating in elink. We are waiting on one major project to wrap up a final payment. The project has been constructed.</p> <p>The ravine project was fully finished in 2022 with final payment being completed in October once details were provided by Seph Construction and the City.</p> <p>The ravine came in under bid so this leaves funds remaining and conversations began for scoping the next site Upstream of 5th Street SE and 6th Ave SE BMP #8 in the Stormwater Study completed. WSN has provided an estimate for survey and design of the site \$44,160. The Pope SWCD has approved this scope of work and the scope was signed 01/10/2023. Once a design is prepared we will determine if components can be installed to utilize what remains in this grant and then apply to finish the project the next grant cycle.</p>		

Grant Activity - Project Development		
Description	Pope SWCD staff coordinating with landowners to develop work plans, assistance, engineering requests, and designing urban storm water best management practices.	
Category	PROJECT DEVELOPMENT	
Start Date	28-Feb-20	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>Pope SWCD staff has been coordinating with landowners to develop work plans and designs. Staff has been working with the WSN engineering staff on a ravine repair with the City of Glenwood. This will go out for bid and the project will be ready for construction in 2021. This ravine is around \$200,000. The City Council has approved to put it out for bid in early 2021 and anticipate construction later this year. The SWCD will execute a contract with the City before spring 2021. Staff are also working with private landowners on smaller urban stormwater BMPs. Funds have been used for WSN's work on this project and for the SWCD staff coordinating the work.</p> <p>The ravine repairs have been completed and we have made payments to the city. We are waiting on a final invoice for this project and then we will assess what remains in the grant for smaller scale BMP projects to finish utilizing this grant in 2022. The ravine project was fully finished in 2022 with final payment being completed in October once details were provided by Seph Construction and the City.</p> <p>The ravine came in under bid so this leaves funds remaining and conversations began for scoping the next site Upstream of 5th Street SE and 6th Ave SE BMP #8 in the Stormwater Study completed. WSN has provided an estimate for survey and design of the site \$44,160. The Pope SWCD has approved this scope of work and the scope was signed 01/10/2023. Once a design is prepared we will determine if components can be installed to utilize what remains in this grant and then apply to finish the project the next grant cycle.</p>	

## Grant Activity - Technical Assistance and Engineering

<b>Description</b>	Partnering with engineering staff to develop urban storm water project construction plans. The City of Glenwood has decided to work with their city engineer, WSN. When the SWCD assists with providing engineered designs it will work with the WCTSA. Estimates will be provided beforehand. Both WSN and the TSA will invoice and be directly paid by the SWCD.		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	28-Feb-20	<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Staff has been working with the WSN engineering staff on a ravine repair with the City of Glenwood. This will go out for bid and the project will be ready for construction in 2021. This ravine is around \$200,000. The City Council has approved to put it out for bid in early 2021 and anticipate construction later this year. The SWCD will execute a contract with the City before spring 2021. WSN will be the engineering company to oversee construction of the project and we have entered into a contact in December of 2020 with them for this work. Staff are also working with private landowners on smaller urban stormwater BMPs. Funds have been expended to WSN and the SWCD staff doing work on this project.</p> <p>WSN has designed and oversaw construction of the ravine project. They have also created the Operation and Maintenance Agreement for the project. This project with the City should be wrapped up in early 2022 and we are getting closer to closing this grant out.</p> <p>The ravine project was fully finished in 2022 with final payment being completed in October once details were provided by Seph Construction and the City.</p> <p>The ravine came in under bid so this leaves funds remaining and conversations began for scoping the next site Upstream of 5th Street SE and 6th Ave SE BMP #8 in the Stormwater Study completed. WSN has provided an estimate for survey and design of the site \$44,160. The Pope SWCD has approved this scope of work and the scope was signed 01/10/2023. Once a design is prepared we will determine if components can be installed to utilize what remains in this grant and then apply to finish the project the next grant cycle.</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2020 City of Glenwood Targeted Urban Stormwater Implementation Project Phase 1 Map</b>	Grant	2020 City of Glenwood Targeted Urban Stormwater Implementation Project Phase 1
<b>2020 Competitive Amendment EXECUTED</b>	Grant Agreement Amendment	

Document Name	Document Type	Description
<b>2020 Competitive Grant</b>	Grant Agreement	2020 Competitive Grant - Pope SWCD
<b>2020 Competitive Grant EXECUTED</b>	Grant Agreement	2020 Competitive Grant - Pope SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/12/2023
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/19/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/28/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 11/21/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 11/21/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 11/15/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/08/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2021
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 09/09/2019
<b>Draft Grant Amendment</b>	Grant Agreement Amendment	
<b>Financial Report 11-16-21</b>	Grant	2020 City of Glenwood Targeted Urban Stormwater Implementation Project Phase 1
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 03/19/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020
<b>grantmap_24832_2019-09-09_10-47-37-AM.jpg</b>	Grant	2020 City of Glenwood Targeted Urban Stormwater Implementation Project Phase 1