

Master SWM Plan and Drainage Study

23P.20

Priority Score: **58.30**

Project Type: Study

Growth Related?: Partial

Estimated Useful Life (years): 50

Priority Level: High

Department: Public Works and Engineering

Staff Contact: Chris Webb

Cash Flow Projection:	2023	2024	2025
Studies	\$ 70,000	\$ 150,000	\$ 60,000
In House Engineering	\$ 5,000	\$ 10,000	\$ 5,000
Design or Engineering			
Communication / Signage			
Construction / Contractor			
Materials			
Equipment/Misc			
Contingency			
Total	\$ 75,000	\$ 160,000	\$ 65,000

Costs Incurred to 2021 Year End

Impact on Operating Budget \$ 0 \$ 0

Total Project Budget: \$ 300,000

Schedule:

Construction Start Date: 04/01/2023

Substantial Completion or
purchase date: 10/30/2025

Funding Sources:

Tax Levy	\$ 90,000
Reserves	\$ 210,000
Please Select	\$ 0
Please Select	\$ 0
Please Select	\$ 0
Capital Reserve	\$ 0

Description and Rationale:

This project involves conducting a storm water management and drainage study for the entire City.

The purpose of the study is to review the City's existing storm water infrastructure, complete analysis and assessment and identify deficiencies in the system and areas that are prone to sewer surcharging and flooding. This will provide the basis for a capital plan to address maintenance and capital priorities that will reduce flooding in and liability for the City and increase resiliency and/or provide adaptation in response to climate change (more frequent and intense storm water events).

The consultant will be retained after a Request for Proposals is issued in early 2023. The first phase of the project will involve modelling the City's entire storm water system to be completed in 2023. Work on the study will be commenced on or by the second quarter of 2023 and continue through into 2025 with completion planned by the end of 2025.



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Justification for Matrix Values

Score 0 - 5

Justification / Rationale for Rating

People	How many people will be directly impacted by the project?	5	This project will impact the entire City.
Health and Safety	What is the risk to the health and safety of the public or Staff if the project does not proceed?	2	Injuries have occurred due to flooding
Legislation	Is the project required for legislative/regulatory compliance?	4	This project is required to continue to be compliant
Asset Management	Is the project a high priority for replacement in the asset management plan.	0	This improvement is not identified in the asset management plan
Operational Performance	If the project proceeds (or fails to proceed), what will be the impact on operational performance? Comment on any impact on operating costs, staff time and maintenance.	4	Significant improvements to operational performance can be achieved due to this project. From planning to eliminate flooding issues through out the city
Financing	Can the cost of investment be leveraged or are there partnership funds available?	1	No funding opportunities are yet identified in association with this project but may be funded through disaster mitigation and adaptation
Environment	Does the project address needs impacted by climate change?	4	This project would address needs impacted by climate change
Socio-Economic Factors	To what degree does the project support diversity and inclusion Initiatives?	2	This project will help maintain existing public spaces
Strategic Plan	Does the project help to meet a Key Result in the Strategic Plan?	4	Identified in the strategic plan.
Public Input	Has the project been identified through public engagement?	1	This project has had minor input through public engagement.