



Council Report

Report Number: ENG2024-035
Meeting Date: November 19, 2024
Title: Southview Estates Drainage Update Follow Up
Description:
Author and Title: Juan Rojas, Director of Engineering and Corporate Assets

Recommendation(s):

That Report ENG2024-035, **Southview Estates Drainage Update**, be received.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

At the Council Meeting of March 19, 2024, Council adopted the following resolution:

CR2024-123 Moved By Councillor Perry Seconded By Councillor Warren

That Report ENG2024-006, Drainage Near 149 Fenelon Drive, be received; and

That Staff be directed to review the requirements for an additional drain on the walkway in Southview Estates and report back to Council by the end of Q2, 2024.

Carried

At the subsequent Council Meeting of June 25, 2024, Council adopted the following resolution:

ENG2024-012 Southview Estates Drainage

Note: Report ENG2024-012 was deferred from the Regular Council Meeting of May 21, 2024

CR2024-353 Moved By Councillor Perry Seconded By Councillor Warren

That Report ENG2024-012, Southview Estates Drainage, be received; and

That Staff be directed to review the options available to address drainage within Southview Estates, including costing, and that the options reviewed include the option of the installation of a culvert leading from Southview Drive (at the bend) to Alton Road.

Carried

This report addresses that direction.

Rationale:

In summary of some background information, there is an existing culvert at the side property line of 149 Fenelon Drive that drains the majority of the Southview Estates Subdivision Plan 416 as per the approved development which was registered on the 8th of November 1962.

At the request of Council, Staff evaluated the installation of new culverts at two locations, in order to divert some of the drainage from the existing culvert near 149

Fenelon Drive, these costs were presented to Council at the June 25, 2024 Council meeting, Report No. ENG2024-012 (refer to Appendix A).

In addition to the two locations identified in ENG2024-012, at the June 25, 2024 Council Meeting, Council directed staff to provide a cost for a new culvert in a third location, near the bend of Southview Drive.

Map of existing and proposed culvert locations.



As per Council direction, the cost to install would be as follows:

Scenario 5 – New Culvert No. 4

Note – unit prices below are consistent with the previous scenarios used in Report ENG2024-012

Item No.	Item	Unit Price	Unit	Qty	Construction Cost
3.01	Mobilization / Demobilization	\$ 8,000	L.S.	1	\$ 8,000
3.02	Traffic Control	\$ 1,000	L.S.	1	\$ 1,000
3.03	Conveyance Swale	\$ 60	m	120	\$ 7,200
3.04	Straw Check Dams	\$ 250	ea	5	\$ 1,250
3.05	Grass Seed (Hydro seed)	\$ 6,000	L.S.	1	\$ 6,000
3.06	Road Surface Removal	\$ 10	m ²	150	\$ 1,500
3.07	350mm HDPE Storm Culvert	\$ 300	m	20	\$ 6,000
3.08	Road Asphalt	\$ 70	m ²	150	\$10,500
	Sub Total				\$ 41,450
	Contingency				\$ 8,290
	Total				\$ 49,740

The installation of an additional culvert would have additional maintenance requirements and would require downstream ditching.

As the existing drainage system is currently working as intended, the Do Nothing Scenario is recommended.

Other Alternatives Considered:

All scenarios are summarized in the financial table and in the previous report attached in Appendix A.

Alignment to Strategic Priorities

This report aligns with the below strategic priorities of the City:

1. Good Government

Financial/Operation Impacts:

Summary of Cost of various scenarios:

Option	Description	Preliminary Cost Estimate	Contingency	Total
Scenario 1	Do Nothing	\$ 0.00	\$ 0.00	\$ 0.00
Scenario 2	Culvert # 2	\$ 34,050.00	\$ 6,810.00	\$ 40,860.00
Scenario 3	Culvert # 3	\$ 41,450.00	\$ 8,290.00	\$ 49,740.00
Scenario 4	Culvert 2 & 3	\$ 75,500.00	\$ 15,100.00	\$ 90,600.00
Scenario 5	Culvert 4	\$ 41,450.00	\$ 8,290.00	\$ 49,740.00

A budget amount of \$49,740 would be required should Council wish to proceed with the installation of the road cross culvert (Scenario 5) and related ditching work.

Consultations:

N/A

Attachments:

Appendix A – Report ENG2024-012 Southview Estates Drainage



ENG2024-012
Southview Estates Dra

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Department Head: Juan Rojas, Director of Engineering and Corporate Assets