



## **CAPITAL PROJECT MANAGEMENT**

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<b>TO:</b>	Council	
<b>DATE:</b>	September 7, 2021	<b>DIVISION:</b> 5
<b>FILE:</b>	N/A	<b>APPLICATION:</b> N/A
<b>SUBJECT:</b>	Response to Notice of Motion – Storm Water Drainage – 254050 Range Road 285, 254082 Range Road 285, 254048 Range Road 285	

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### **EXECUTIVE SUMMARY:**

At the July 28<sup>th</sup>, 2021 Council Meeting, Council directed Administration to bring forward options and associated costs for Council's consideration for the assessment and alleviation of the drainage issues experienced on private lands at 254050, 254082 and 254048 Range Road 285.

Administration has reviewed the historical information on the properties and concludes that the drainage issues experienced between 254050 and 254082 meet the criteria for the County's Policy 459 Storm Water Drainage Projects. There is a low lying area between these two properties. During spring melt or heavy rain, water has historically accumulated on the properties without an established outlet. The drainage issue could be resolved by regrading portions of the land between the properties and constructing a drainage swale that would convey water west to the County's road allowance of Range Road 285.

Policy 459 is used by the County to assess and prioritize community drainage projects for consideration by Council on an annual basis. This project meets the criteria for consideration under the Policy, and Administration recommends that this project be added to the list and ranked amongst others for consideration in the 2022 budget.

The third property (254048 Range Road 285) has applied for a Development Permit related to lot grading. It is expected that the drainage concerns surrounding this property will be addressed through the Development Permit process.

### **ADMINISTRATION RECOMMENDATION:**

Administration recommends approval in accordance with Option #1.

### **BACKGROUND:**

There is a lower lying area between the properties at 254050 Range Road 285 and 254082 Range Road 285 where water temporarily accumulates during spring melt and rain events. The subdivision of these lands occurred in the late 1980's and there is no record of any storm water management infrastructure constructed at the time of subdivision nor are there any overland drainage easements or right of ways registered on the properties. Additionally, there are no historic records of development permits on the properties for the construction of drainage infrastructure.

To address the storm water issue, regrading on portions of the subject lands and a defined drainage swale could be constructed between the properties sloping westward to the County's road right of way. To achieve this, a survey of the lands would need to be conducted to assess the existing site conditions and a set of engineering drawings prepared showing the extent of grading work to be done both on private property and downstream along Range Road 285. As part of the improvement, it is

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#### **Administration Resources**

Angela Yurkowski, Capital Project Management



also recommended that an overland drainage easement be registered in order to protect any drainage infrastructure that is constructed.

The cost for an engineering assessment is approximately \$15,000 and this would include survey work, grading drawings and preparation of a detailed construction cost estimate. Administration estimates the construction costs would be in the realm of \$75,000 - \$100,000, however this would be confirmed through the engineer's assessment which would encompass an investigation of the downstream drainage course along Range Road 285.

Policy 459 is used by the County to assess and prioritize community drainage projects for consideration by Council on an annual basis. There are approximately 25 projects on the Policy 459 list and ranking is conducted in the fall in preparation for budget deliberations. This project meets the criteria for Policy 459 and should Council proceed with Option 1, the project would be added to the list and ranked amongst others for consideration in the 2022 budget. Policy 459 did not receive budget funding from Council in both 2020 and 2021.

#### **BUDGET IMPLICATIONS:**

There are no budget implications should Council proceed with Option #1 or Option #2.

Should Council choose to fully fund the project in accordance with Option #3, Administration will prepare a budget adjustment for Council's consideration in the amount of \$115,000.

#### **COMMUNICATIONS PLAN:**

N/A

#### **OPTIONS:**

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|------------|---|
| Option #1: | THAT this project be placed on the County's Policy 459 list and ranked amongst others for consideration in the 2022 Budget.   |
| Option #2: | THAT Council direct Administration to undertake an engineering assessment of the properties to a maximum budget of \$15,000 to be funded out of the existing operations budget. |
| Option #3: | THAT Council direct Administration to prepare a budget adjustment of \$115,000 to complete the project funded from the tax stabilization reserve.                               |

Respectfully submitted,

Concurrence,

"Byron Riemann"

"Kent Robinson"

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Executive Director

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Acting Chief Administrative Officer

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#### **ATTACHMENTS:**

ATTACHMENT 'A' – Location Overview