



**MEETING DATE: FEBRUARY 25, 2025**

# **REQUEST FOR DECISION - TO COUNCIL**

## **SUBJECT**

**BLACKFOOT LAGOON EVAPORATION POND**

## **RECOMMENDATION**

THAT the County of Vermilion River accept McElhanney's price estimate of \$385,601.00 for remainder of the engineering costs inclusive of detailed design, tendering, construction and contract management; and proceed to the detailed design phase of the project.

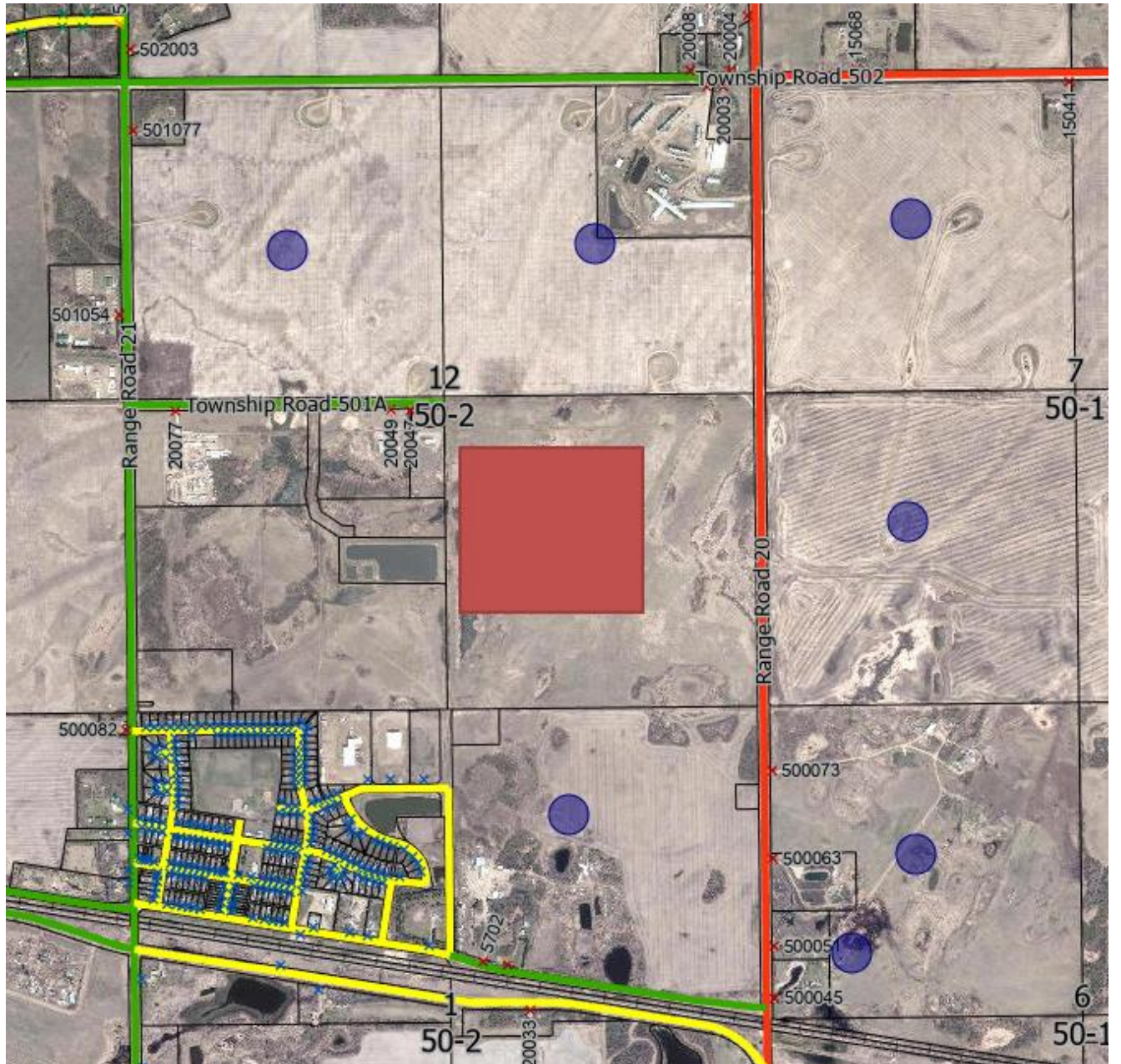
## **DETAILS**

Background:

At the January 14, 2025 regular Council meeting, the evaporation pond discharge method was selected to continue forward for detailed design, and tendering with the direction to engage with directly adjacent landowners regarding the project to report back to Council.

Discussion:

Public Works completed contacts with the majority of the adjacent landowners. The property owners that Public Works was directed to contact are in the purple circles. This includes the three acreage properties in the NW of 6.



Summary of discussions is as follows:

- NW & NE 12: Primary concern about the project is proximity to quarter line, as well as odors. They do not want to be blamed for odors from the lagoon with the perception that it is coming from their operations. For the proximity, it can be mitigated by having

the pond just south of the existing power line that is 75m from the property line.



- Commercial property directly west of the proposed site: They have no concerns about the project as long as it is not on their property.
- NW 7: They have no objections or concerns about the project.
- SW 7: Majority of quarter section parcel. Tried calling multiple times and could not leave a voicemail as their inbox was full.
- SW 7 North acreage. Called and left voicemails with no returned calls.
- SW 7 Middle Acreage. Called a few times and could not leave voicemail. No mail box.
- SW 7 South acreage. No concerns. They are happy to hear the force main would stop going to the quarter it is currently discharging too.
- NE 1: Property owner is away for the winter. We did discuss a couple of times over the phone, and an email was sent with further information regarding the project. Ie. Size, and potential location. Their main concern at this moment is that they want to develop on the quarter eventually and are worried about potential setbacks from the pond. The following table was emailed to them regarding this. They have not replied back with any further concerns or comments, and a follow up call was made to ensure information was received. They had not reviewed information as of yet. It was relayed that this item is coming to Feb 25 Council meeting with detailed designed planned in next steps. When they review if they have concerns, we can work with them during the detailed design



phase of the project.

**TABLE 3.6  
SETBACK DISTANCES FROM WASTEWATER LAGOONS**

Minimum setback distance (m) from the "working area" <sup>**</sup> of the wastewater lagoon to:	
The property line of the land where the lagoon is located	30
The designated right-of-way of a rural road or railway	30
The designated right-of-way of a primary or secondary highway	100
A "building site" <sup>***</sup> for school, hospital, food establishment or residential use	300

<sup>\*</sup> "Working area," means, those areas of a parcel of land that are currently being used or will be used for the processing of wastewater.

Size, shape, and location to be confirmed, but here is a potential shape and location that would address the concerns of the two noted property owners with approximate distances.



For the Engineering of the project going forward, Public Works requested estimates from three engineering firms. Pricing was to include Preliminary Engineering, Detailed Design, Tender administration & contract award, Construction management & contract administration (inclusive of geotechnical work and survey), post construction services (inclusive of CCC, FAC, and record drawings).



Pricing is as follows:

- McElhanney = \$385,601.00
- MPE = \$472,631.00
- Bar Engineering = \$657,500.00 - \$697,500.00

Time frames for this work is as follows:

McElhanney:

TASK	DURATION	APPROX. COMPLETION DATES
Topographical Survey	1 Week	February 21, 2025
Issued for 60% Drawing Package	5 Weeks – 1 Week Review	March 28, 2025
Issued for 90% Drawing Package	3 Weeks – 1 Week Review	April 25, 2025
IFT Drawings and Tender Package	4 Weeks	May 30, 2025
Tender Period	2-3 Weeks	June 20, 2025
Construction Period	16 Weeks	October 31, 2025

MPE:

Task Description	Schedule
Award Engineering Contract	February 21, 2025
Project Start up Meeting and Site Visit	March 5, 2025
Topographic Survey	April 15-18
Geotechnical Investigation	April 1 – May 30, 2025
Environmental Assessments	March 15 to April 30, 2025
Draft Conceptual Design Report Submission	April 15, 2025
Conceptual Design Report Submission	May 30, 2025
66% Design Submission	June 16, 2025
99% Design Submission	August 29, 2025
Final Design Complete	September 2025
Construction Phase Approval	October 2025
Tender Period	January, 2026
Select General Contractor	February, 2026
Construction Starts	May 2026
Substantial Performance (Interim Certificate of Completion)	October 2026
Total Performance (Final Certificate of Completion)	November 2026
Warranty Period (1 Year Construction Warranty)	October 2027
Final Certificate of Acceptance	October 2027



Bar Engineering:

#### 7.0 Schedule

BAR Engineering realizes that your time is important and that we are a part of your team to bring this project to completion. Our time commitment for completing the design and completing the tender process is anticipated to be three (3) to four (4) months from receipt of your written approval.

Relevant Policy/Legislation Practices:

Municipal Government Act

Water Act and Regulation

Environmental and Protection Act and Regulations

Desired Outcome (s):

To approve McElhanney's cost estimate and proceed to detailed design and tendering.

Response Options:

To approve the cost estimate.

To request further information.

To request further consultations.

## IMPLICATIONS OF RECOMMENDATION

Organizational: N/A

Financial: Expenses incurred to current approved budget.



Communication Required: Ongoing communication with adjacent landowners. Communication to the successful engineering firm.

Implementation: Upon Council approval

## ATTACHMENTS

None

PREPARED BY: Ben McPhee

DATE: Feb 19, 2025