



MEMORANDUM

FROM: Administration
TO: Chair Vaandrager, Reeve Harwood, All Councillors
SUBJECT: Public Works Committee Meeting

A meeting of the Public Works Committee will be held on:

Monday, February 6th, 2023
Immediately following the Administration Committee Meeting

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AGENDA

1. Call to Order
2. Adopt Agenda
3. Public Works - Carryforward Action List
4. Delegation – SaskPower 9.15 am
5. PW 23-003 – Electrical Services to Ravenswood Development
6. PW 23-001 – RM of Corman Park Aggregate Study
7. PW 23-002 – Valley Road Assessment – In Camera
8. Adjourn

INFRASTRUCTURE AND PUBLIC WORKS

Carryforward Action List – CURRENT

Date Action Item/Request	Status
<p>October 12, 2021</p> <p>Civic Addressing Process</p> <p>Issue: The RM adopted civic addressing in February 2019 in the municipality for emergency services.</p>	<ul style="list-style-type: none"> • October 12, 2021 – Previous anticipated timelines for the rural addressing initiative were delayed. Administration conducted an audit of the procedures required to complete the project. The initial process established required some re-work to align the project with established provincial civic addressing processes. • January 10, 2022 – Council received an information package containing an update on the expected project completion timelines (late Fall 2022). • March 1, 2022 – Research into the process of registering civic addresses with Canada Post is underway. An update to Council will be provided in May. • March 21, 2022 – Finalization of assigned addressing and road name verification is underway. • June 2022 - Sign installation for the summer has begun. This project remains on track to have civic addresses and road names registered, sign installation of existing addresses completed, and emergency services updated by end of quarter four. • August 2022 – Sign installation will continue while weather permits. Registration of civic addresses is in progress. Consultation is ongoing to ensure process continuity for the future phase of registering civic addressing with Canada Post. • October 2022 – First data batch of Civic Addresses was received by the Civic Address Registry and confirmed compatible with their system. The next step, address verification, can proceed for this batch. Canada Post consultation has been fruitful and remains ongoing. • December 2022 – Second data batch is being prepared to be sent to the Civic Address Registry. Road name change application to be submitted to ISC once the November Council Meeting minutes have been posted. • February 2023 – Registration with external parties for emergency services is ongoing. Updates to follow as the process progresses.
<p>September 19, 2022</p> <p>Survey for Gravel Potential</p>	<ul style="list-style-type: none"> • Test hole activity was completed on Friday, October 28, 2022. Report to follow. • December 2022 - Report has been received. Administration will bring analysis and recommendations to Council in January, 2023. • February 2023 – Review of the report will be presented at March Committee meeting

INFRASTRUCTURE AND PUBLIC WORKS

Carryforward Action List – CURRENT

Date Action Item/Request	Status
<p data-bbox="107 277 354 304">September 21, 2022</p> <p data-bbox="107 336 365 363">Use of PVC Culverts</p> <p data-bbox="107 399 565 703">Issue: The use of PVC Culverts in the RM of Corman Park have been previously discussed with administration, however no timeline for the review of the documentation provided by the manufacturer by our engineer has been set. They are manufactured in the RM by Armtec, and Council has been invited to tour the Armtec facility</p>	<ul data-bbox="641 294 1469 577" style="list-style-type: none">• The RM prefers steel culverts as plastic cannot be located under snow cover unless hand excavated, which is problematic in winter and emergency situations. Therefore, plastic is not advisable for use.• Plastic culverts are flexible, the installation is critical and often results in problems.• Armtec also produces the galvanized culverts the RM purchases.• February 2023 – Review of the request is ongoing. Decision will be presented at March Committee Meeting.

Subject

Electrical Services to Ravenswood Development

Recommendation

THAT SaskPower's electrical services design to service the Ravenswood Development be supported by the RM of Corman Park.

Background

Ravenswood is a development located on Clarence Ave South, south of Edgemont Estates, northwest of Casa Rio Hamlet. The Ravenswood Phase 1 Subdivision was approved in the spring of 2021. As per RM policies and development requirements, the developer contacted SaskPower to provide electrical servicing to the Ravenswood development. SaskPower determined that although their electrical system was typical for the type of rural development in this area, it was becoming an out-dated type of system to service the Ravenswood development. The area is currently serviced by an overhead, single-phase electrical system, which has poor reliability. The single-phase system provides a small amount of electricity to allow for some development to occur on site. However, the single-phase electrical system would not be sufficient to ultimately serve the electrical requirements for Ravenswood.

The single-phase electrical system is an overhead electrical system with power poles. The power poles are located on the west side of Clarence Ave and are from the south side of the entrance to the SPCA to the Casa Rio Hamlet. The power poles extend out of the ground by approximately 6m.

Preliminary designs by SaskPower included installing an overhead, three phase electrical system from Grasswood Rd to the northern limits of the Casa Rio Hamlet. This system would provide a more reliable system to all area taxpayers, as their current system is prone to failures from time to time. The Casa Rio Hamlet Board was not happy with this design and SaskPower revised their design.

After hearing concerns from the Casa Rio Hamlet residents, SaskPower designed a new overhead, three-phase electrical system to service the Ravenswood development to ensure that the development would be supplied with adequate electrical requirements. The proposed overhead power poles would replace the poles on the west side of Clarence Ave, from the southern-most Edgemont Cres to approximately 100m south of El Dorado Way. The total length of the proposed overhead power pole design is approximately 280m. The poles are 13.7m long, with 2.7m buried, which means that approximately 11m would extend out of the ground and be visible. As per SaskPower design practices, SaskPower does not design for aesthetics at the cost of all taxpayers. They do not see fairness in making all taxpayers pay for aesthetic concerns in a specific area of

The Casa Rio Hamlet Board are not in approval with over head power poles along their development and would like them to be installed underground. The RM requested SaskPower to provide a budget estimate to install the 280m of electrical system as an underground option.

The estimate to install the line underground as opposed to overhead is approximately \$80,000 to \$100,000.

The Casa Rio Hamlet Board would like to have further discussions to potentially share the costs to install the 280m of electrical system underground, so overhead power poles will not be located along their neighbourhood.

Discussion

As per regular procedure, new subdivision developments are required to submit plans to the RM that outline how their development will be serviced. SaskPower has the authority to install the type of electrical services as required to service the requested need. SaskPower will design the electrical system that is most economical, yet satisfy their basic design principles. SaskPower will not design an aesthetically pleasing system at the expense of their customers.

The RM does not have a standard for electrical systems, therefore the electrical supplier is able to install overhead or underground systems at their discretion. The RM will review the subdivision design to ensure that it has been considered as part of their development.

The RM does not provide financial assistance to appease requests pertaining to aesthetics with respect to developments. The RM will ensure the developments are serviced by a qualified provider. Funding the installation of an underground electrical system would set a precedent for the RM.

Department

Infrastructure and Public Works

Subject

RM of Corman Park Aggregate Study

Recommendation

THAT the RM of Corman Park Aggregate Study report be received as information

Background

The RM of Corman Park has received the study for gravel potential at SW-2-39-9 W3 that was completed by Pinter & Associates Ltd. The preliminary review of the report revealed that approximately 100,000 m³ of gravel is potentially available in the site.

Borrow pits are assessed on a list of items as listed below. However, there is work required to produce gravel from a borrow pit. Naturally occurring rock in the ground, which varies in size from pebbles to large boulders, will be crushed and processed to produce the final gravel product.

A more detailed review of the report is required to provide a recommendation on this report. This review will be completed over the next month, and a recommendation will be provided at the March 2023 Committee Meeting. The detailed review will consist of a thorough review of each of the following items:

1. Environmental assessment – an environmental site assessment may be required prior to any excavation work taking place. The Ministry of Environment will be consulted with on any environmental regulatory requirements for the site.
2. Depth of overburden – the stratigraphy (the layering of soils) of the site will be reviewed to determine how much material needs to be excavated in order to expose the gravel.
3. Water table consideration – the water table level will be analyzed to determine feasibility of gravel crushing in winter vs. summer season.
4. Depth of borrow pit – Confirmation of the depth of the borrow pit will determine the exact quantity of available gravel.
5. Quality of Gravel – the gravel needs to be analyzed to determine the application. For example, the quality of gravel will dictate its usage (ie. Asphalt, base, traffic gravel, seal coat aggregate, etc.)
6. Quantity of reject material – Depending on the ratio of natural fines with respect to the gravel, there may be an excess of fines that will need to be rejected.
7. Reclamation – Reclamation of the site is dependent on the size of the borrow pit area. The larger the site, the more effort that would be anticipated to restore the site to an acceptable condition.
8. Future project consideration – Depending on the quality of the gravel, this will dictate the type of construction project that may benefit from the material. This would also dictate the timing associated with crushing the gravel at this site.

9. Overall costs – a cost-benefit analysis will be completed to determine if this potential gravel borrow pit is a viable option for the RM of Corman Park. All the items listed above have financial impacts associated with them, and when compared with the quantity and quality of gravel, the overall cost will generate a recommendation for next steps.

Administration will complete a detailed review and present findings at the Committee Meeting in March.