

THE CORPORATION OF THE
CITY OF WHITE ROCK
CORPORATE REPORT



DATE: August 14, 2023

TO: Mayor and Council

FROM: Jim Gordon P.Eng., Director, Engineering and Municipal Operations

SUBJECT: 2023 Sanitary and Storm Sewer Rehabilitation Contract Awards

RECOMMENDATIONS

THAT Council:

1. Receive for information the corporate report dated August 14, 2023, from the Director of Engineering and Municipal Operations, titled “2023 Sanitary and Storm Sewer Rehabilitation Contract Awards;”
 2. Approve the award of a contract for the open cut storm and sanitary sewer rehabilitation to Sandpiper Contracting LLP for \$636,262.20; and,
 3. Approve the award of a contract for the trenchless storm and sanitary sewer rehabilitation to PW Trenchless Construction Inc. for \$1,746,843.18.
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EXECUTIVE SUMMARY

The 2023 Sanitary and Storm Sewer Rehabilitation Program is an annual asset management program. The goal of this program is to be proactive, to identify problems in the sewer collection system and address or repair these problems to prevent sewer backups or over-flows.

PREVIOUS COUNCIL DIRECTION

Motion # & Meeting Date	Motion Details
2019-308 July 22, 2019	THAT Council: 1. Receives for information the corporate report dated July 22, 2019 from the Acting Director of Engineering and Municipal Operations Department titled “2019 Sanitary and Storm Sewer Rehabilitation Contract Award;” and 2. Approves the award of a contract for the trenchless storm and sanitary sewer rehabilitation to PW Trenchless Construction Inc. for \$594,150 (including GST). CARRIED
2021-115 March 8, 2021	THAT Council 1. Receive for information the corporate report dated March 8, 2021 from the Director of Engineering and Municipal Operations

	<p>Department, titled “2021 Sanitary and Storm Sewer Rehabilitation Contract Awards;”</p> <p>2. Approve the carry forward of the 2020 Sanitary I & I Reduction Program budget of \$594,000, as well as the 2020 Drainage Renew and Replacement Program budget of \$277,000;</p> <p>3. Grant advanced approval to use the 2021 Sanitary I & I Reduction Program budget of \$500,000 and the 2021 Drainage Renew and Replacement Program budget of \$400,000; and</p> <p>4. Approve the award of a contract for the trenchless storm and sanitary sewer rehabilitation to PW Trenchless Construction Inc. for \$1,073,695 (including GST).</p> <p style="text-align: right;">CARRIED</p>
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INTRODUCTION/BACKGROUND

The City has an ongoing sewers inspection program, which identifies defects and deficiencies in the existing sewer collection system. Each year a portion of the City’s storm and sanitary sewer system is flushed, cleaned, and videoed to identify and locate any defects or deficiencies. These defects and deficiencies are then addressed through repairs or scheduled capital upgrades.

Request for Proposals (RFP)

The City posted an Invitation to Tender (WR23-010 and WR23-011) on BC Bid and the City of White Rock’s website on April 28, 2023, for the 2023 Sewer Repair Program: Open Cut and 2023 Sewer Repair Program: Trenchless. The Tenders closed at 2:00 p.m. on May 5, 2023. The City received bids and the results are summarized below.

Table 2: Bid Summary

	2023 Sewer Repairs Program: Open Cut	Sanitary(Rounded)	Drainage(Rounded)	Amount (Rounded) (Including GST)
1.	Sandpiper Contracting LLP	\$431,000.00	\$205,000.00	\$640,000.00
	2023 Sewer Repairs Program: Trenchless	Sanitary(Rounded)	Drainage(Rounded)	Amount (Including GST)
1.	PW Trenchless Construction Inc.	\$974,000.00	\$690,000.00	\$1,750,000.00
2.	Mar-Tech Underground Services Ltd.	\$1,040,000.00	\$710,000.00	\$1,840,000.00

The consulting engineer and City staff evaluated the tenders for arithmetic errors, account rates, contractor qualifications, schedule and review of bid schedule and recommended that the contract be awarded to Sandpiper Contracting LLP for the 2023 Sewer Repair Program: Open Cut project and contract be awarded to PW Trenchless Construction Inc. for the 2023 Sewer Repair Program: Trenchless Project.

FINANCIAL IMPLICATIONS

The 2023 Financial Plan identifies City funding for sewer repairs. The value of this contract is \$636,262.20 for Open Cut and \$1,746,843.18 for Trenchless. The recommended funding sources are as follows:

Table 1: Financial Plan Budget

	2023 Total Available Budget
Sanitary Sewer Rehabilitation Program	\$1,995K
Drainage Rehabilitation Program	\$851K
Total	\$2,846K

The total contract costs of \$2.38M plus contingency of 15% is \$2.74M which is less than the budget of \$2.846M.

COMMUNICATION AND COMMUNITY ENGAGEMENT IMPLICATIONS

Although trenchless repairs cannot be used in every situation, the use of this technology provides social benefits as trenchless repairs provide less traffic disruptions and therefore reduce impacts on the residents and businesses. Ample notice is provided to all residents and businesses prior to work starting within their area.

INTERDEPARTMENTAL INVOLVEMENT/IMPLICATIONS

Staff from Financial Services and Engineering & Municipal Operations worked together on the financial aspects of this report.

CLIMATE CHANGE IMPLICATIONS

Although trenchless repairs cannot be used in every situation, by using trenchless technologies, the City is fulfilling its commitment to the BC Climate Action Charter by reducing 75% of the greenhouse gas (GHG) emissions that would have occurred with traditional open-cut method. The GHG reduction comes from a decrease of carbon dioxide from less asphalt and concrete restoration, less equipment and tools operating on site, fewer truckloads of import fill being transported in, and less trucks of excavated material being driven out.

ALIGNMENT WITH STRATEGIC PRIORITIES

The annual Sanitary and Storm Sewer Repair Program aligns with several of Council's strategic priority objectives:

- **Infrastructure**
Provide safe, reliable, and sustainable infrastructure for the community while minimizing impacts on the environment.
- **Community**
Manage the delivery of City services efficiently and effectively.
- **Environment**
Reduce greenhouse gas emissions.
- **Economy**
Improve provision of efficient and cost-effective services.

OPTIONS / RISKS / ALTERNATIVES

The following alternative option is available for Council's consideration:

1. Not approve the contract; however, the potential for flooding and sanitary over-flows is likely, which would result in adverse environmental outcomes and issues, and financial implications from potential claims against the City.

CONCLUSION

It is recommended to approve the contract for the 2023 Sewer Repair Program : Open Cut project be awarded to Sandpiper Contracting LLP in the amount of \$636,262.20 (Including GST) and 2023 Sewer Repair Program: Trenchless project be awarded to PW Trenchless Construction Inc. in the amount of \$1,746,843.18 (Including GST).

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jim Gordon', with a stylized, flowing script.

Jim Gordon P.Eng,
Director, Engineering and Municipal Operations Department

Comments from the Chief Administrative Officer

I concur with the recommendations of this corporate report.

A handwritten signature in black ink, appearing to read 'Anne Berry', with a stylized, flowing script.

Anne Berry
Acting Chief Administrative Officer