

NO: R191

COUNCIL DATE: September 17, 2018

REGULAR COUNCIL

TO: Mayor & Council **DATE: September 13, 2018**

FROM: General Manager, Engineering **FILE: 1717-054/H**

**SUBJECT: BC Hydro Undergrounding for 100 Avenue Widening Between
King George Boulevard and 140 Street**

RECOMMENDATION

The Engineering Department recommends that Council:

1. Approve the expenditure of \$637,350.00 (including GST), payable to BC Hydro for the undergrounding of BC Hydro infrastructure on 100 Avenue between King George Boulevard and 140 Street;
2. Set the expenditure authorization limit for the undergrounding of BC Hydro infrastructure on 100 Avenue between King George Boulevard and 140 Street to \$701,085.00 (including GST and contingency); and
3. Authorize the General Manager, Engineering to execute a purchase order and release payments to BC Hydro for undergrounding of BC Hydro infrastructure on 100 Avenue between King George Boulevard and 140 Street.

INTENT

The purpose of this report is to provide an overview to Council and to obtain approval for the payment to BC Hydro for the undergrounding of BC Hydro infrastructure on 100 Avenue between King George Boulevard and 140 Street.

BACKGROUND

At its Regular Meeting of January 16, 2017, Council approved the recommendations in Corporate Report No. R001; 2017, which included a long-range strategy and funding mechanism for undergrounding BC Hydro infrastructure within the City Centre in order to achieve a higher level of urban design and street environment.

At its Regular Meeting of April 9, 2018, Council approved the construction of the 100 Avenue widening project as part of Corporate Report No. R057; 2018. As part of the construction contract, the City is installing underground ducts to support the transfer of the existing above-ground BC Hydro infrastructure to the underground along 100 Avenue, between 138 Street and 140 Street, as illustrated on the map attached as Appendix "I" to this report. An image of the existing overhead BC Hydro infrastructure and a rendering showing the completed road corridor with the

underground works completed is illustrated on the map attached as Appendix “II” to this report. The roadwork contract is currently underway and is anticipated to be completed by Spring 2019.

To equitably fund the undergrounding of BC Hydro infrastructure the City submitted an application in October 2017, for “BC Hydro Beautification Funding”. The fund promotes and supports municipal government projects that convert BC Hydro overhead to underground power lines for environmental concerns or visual aesthetics. The Beautification fund contributes one-third of the funding towards an approved project, with the remaining two-thirds to be arranged by the municipality.

In February 2018, the City received confirmation from BC Hydro that the grant application was successful with funding approved in the amount of \$464,000.00, which is approximately one-third of the anticipated estimate provided by BC Hydro for the undergrounding work. The remaining two-thirds of the cost will be funded by the City Centre amenity charge for undergrounding BC Hydro infrastructure, with credit given for the City’s portion of the costs which are being installed and funded under the roadwork contract. The amount owing to BC Hydro is \$637,350.00 (including GST).

SUSTAINABILITY CONSIDERATIONS

Undergrounding of BC Hydro infrastructure supports the objectives of the City’s Sustainability Charter 2.0. In particular, this work relates to the Sustainability Charter 2.0 theme of Infrastructure by implementing street standards that minimize the negative impacts of transportation facilities on communities, while providing appropriate infrastructure to support the City’s transportation needs. Specifically, this work supports the following Desired Outcomes (“DO”):

- All Infrastructure DO1: City facilities and infrastructure systems are well managed, adaptable and long lasting, and are effectively integrated into regional systems; and
- Transportation DO14: Goods movement throughout the city is efficient, and minimizes environmental and community impacts.

FUNDING

Approximately one-third of the cost for undergrounding BC Hydro infrastructure is being funded through BC Hydro’s “Beautification Funding” with the remaining two-thirds of the funding being provided by the City through the City Centre amenity charge for undergrounding BC Hydro infrastructure. Any shortfalls in the City’s amenity charge collected will be funded through the approved 2018 Transportation Budget

CONCLUSION

The Engineering department recommends that Council:

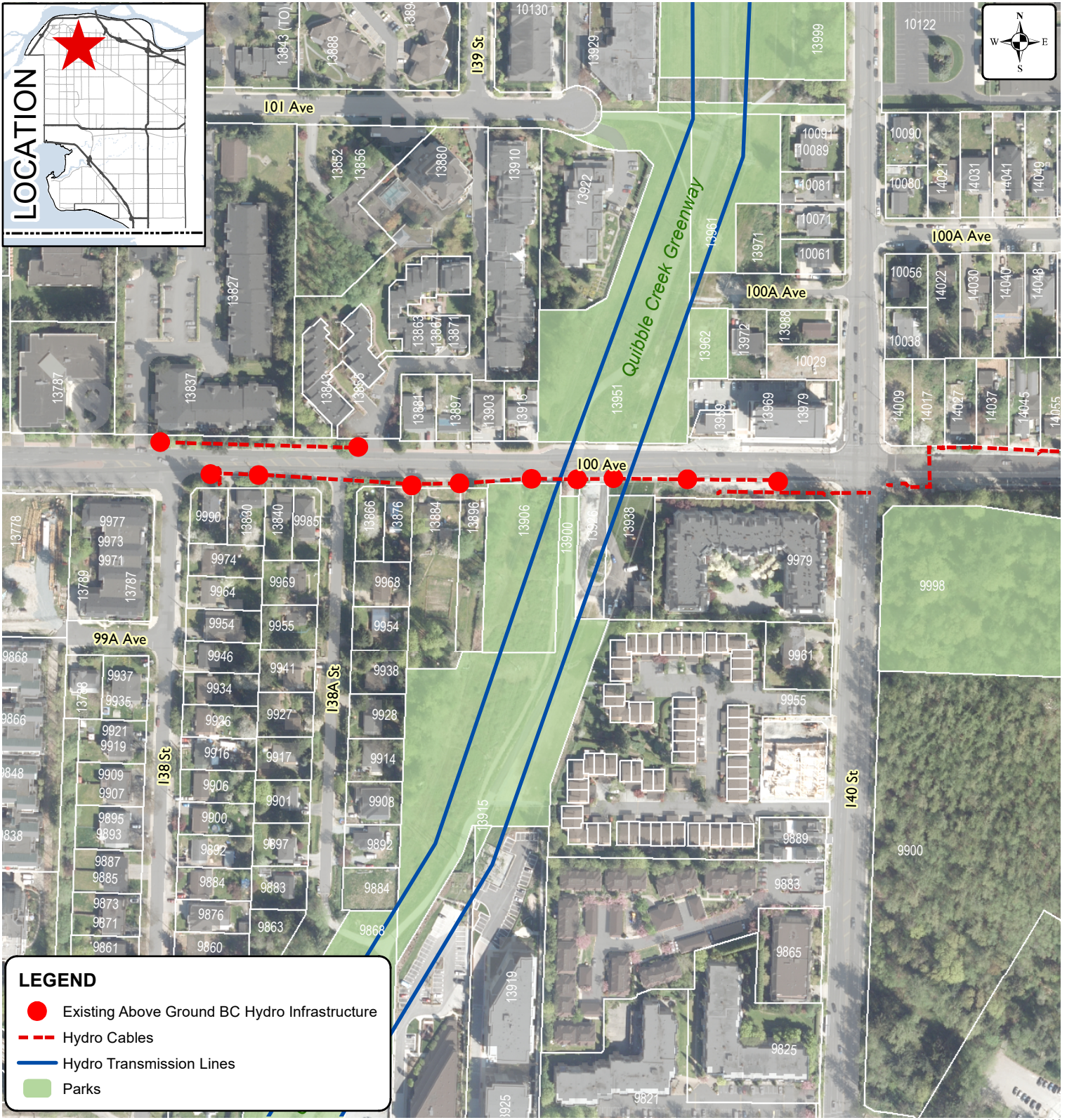
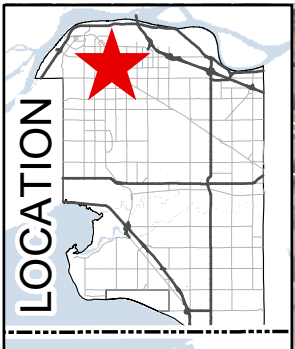
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Fraser Smith, P.Eng., MBA
General Manager, Engineering

JA/sbn/vj/jma

Appendix "I": Map of Locations - BC Hydro Infrastructure
Appendix "II": Completed Road Corridor with the Undergrounding

AERIAL PHOTOGRAPH OF SITE



Produced by GIS Section: 12-Sep-2018, JJR

Date of Aerial Photograph: April 2018

Scale: 1:3,000



Existing Above Ground BC Hydro Infrastructure 100 Avenue from 138 Street to 140 Street

**ENGINEERING
DEPARTMENT**

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey.
This information is provided for information and convenience purposes only.
Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

100 Avenue at Quibble Creek Greenway



Before Construction



After Construction