

NO: R086

COUNCIL DATE: May 3, 2010

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## REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **April 27, 2010**

FROM: **General Manager, Engineering**

FILE: **7807-0041-00**

XC: **7804-0411-00**

**7806-0098-00**

SUBJECT: **Water Main Upsizing on 164 Street between 14 Avenue and 24 Avenue**

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## RECOMMENDATION

The Engineering Department recommends that Council authorize the expenditure to an upset limit of \$584,350 including GST/HST to reimburse Douglas Infrastructure Group Ltd. for the upsizing of a water main on 164 Street between 14 Avenue and 24 Avenue from a 350mm diameter pipe size to a 500mm diameter pipe size.

## INTENT

The purpose of this report is to obtain Council's approval to reimburse a developer for the incremental construction costs associated with the upsizing of a water main on 164 Street between 14 Avenue and 24 Avenue (see Appendix I).

## DISCUSSION

To provide water service to the area covered by the Douglas NCP, Douglas Infrastructure Group Ltd., which is developing land in the area, is required to construct a new water main on 164 Street between 14 Avenue and 24 Avenue. This watermain also provides service to the lands in the Highway 99 Corridor, Grandview Heights NCP #2, the Semiahmoo area and areas east of the Douglas NCP. To provide adequate service to these other areas the new water main is being upsized from a 350 mm diameter pipe to a 500mm diameter pipe and will connect with the existing water mains at 24 Avenue / 164 Street and 14 Avenue / King George Boulevard. Douglas Infrastructure Group Ltd. has agreed to upsize the watermain to an upset limit of \$584,350 including GST/HST. They have agreed to be responsible for any costs above this amount. The upsizing costs are considered to be reasonable based on costs that the City has experienced on similar projects.

## SUSTAINABILITY CONSIDERATIONS

The proposed water main works support the Economic and Environmental Pillars of the City's Sustainability Charter in relation to the following goals:

- EC3: Sustainable Infrastructure Maintenance and Replacement – by minimizing operation and maintenance costs, and maximizing service life of the water system; and

- EN8: Sustainable Engineering Standards and Practices – by minimizing environmental impacts of development, and reducing pumping requirement which reduces energy consumption and carbon footprint.

## FUNDING

Funding for water main upsizing work is available in the approved Engineering Capital Budget.

## CONCLUSION

Based on the above discussion, it is recommended that Council authorize the expenditure to an upset limit of \$584,350 including GST/HST to reimburse Douglas Infrastructure Group Ltd. for the upsizing of a water main on 164 Street between 14 Avenue and 24 Avenue from a 350mm diameter pipe size to a 500mm diameter pipe size.

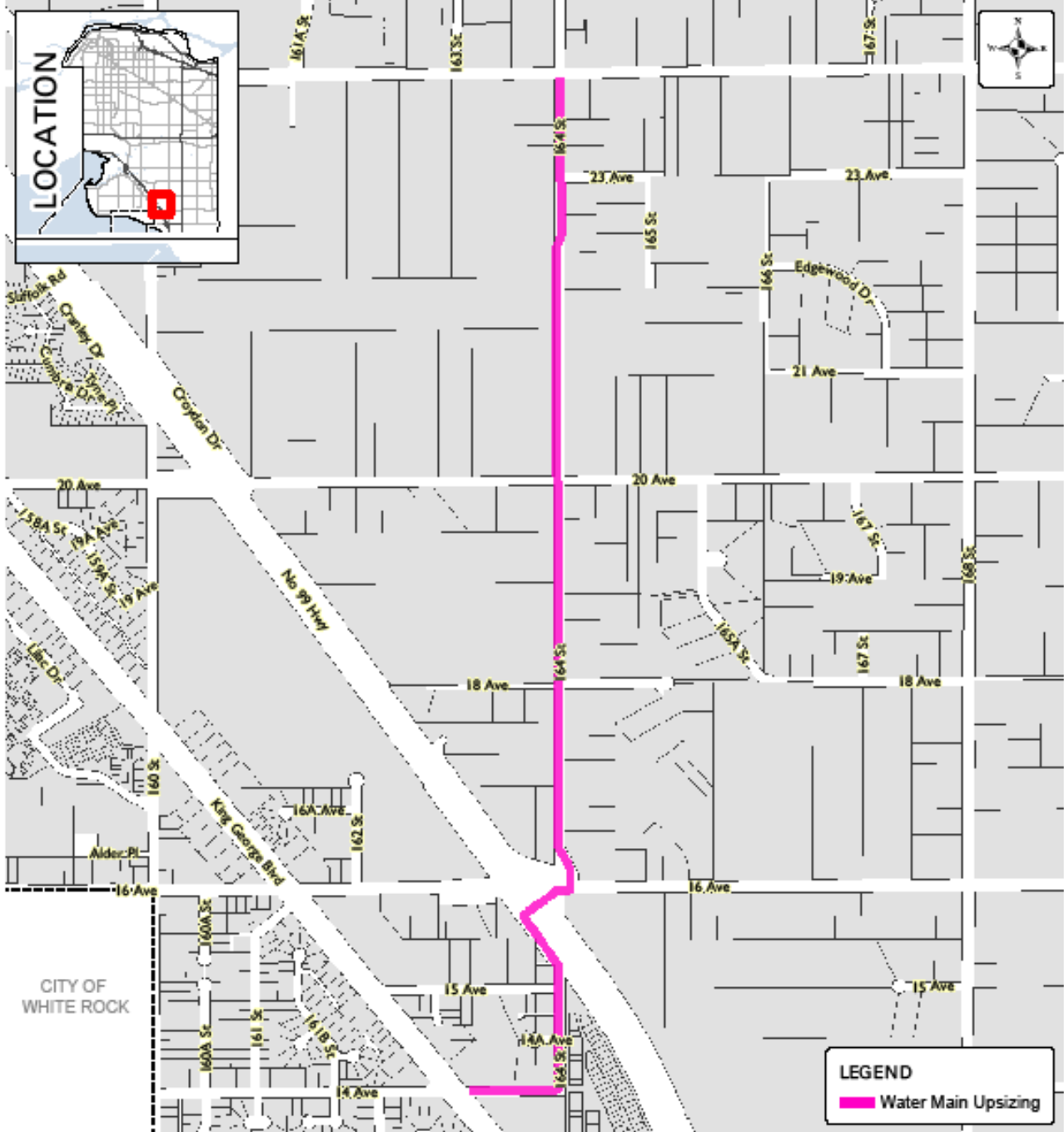
Vincent Lalonde, P.Eng.  
General Manager, Engineering

VL/KL/SSL/brb

Appendix I – Map of Water Main Upsizing Location

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BRB 4/28/10 8:58 AM

# APPENDIX I



Produced by GIS Section: April 20, 2010, AW



## WATER MAIN UPSIZING LOCATION

## 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.

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