

NO: **R182**

COUNCIL DATE: **October 3, 2011**

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## REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **September 28, 2011**

FROM: **General Manager, Engineering**

FILE: **1211-901**

SUBJECT: **Local Area Service - Water Main Extension along 176 Street from the BC Railway to the Nicomekl River and along 48 Avenue from 176 Street to 17188 - 48 Avenue**

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## RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Approve the establishment of a Local Area Service (LAS) to allow a water main extension along 176 Street from the BC Railway to the Nicomekl River and along 48 Avenue from 176 Street to the lot known as 17188 - 48 Avenue, all as illustrated on the map attached to this report as Appendix I, at an estimated total cost of \$763,000, which costs will be fully recovered by Local Area Service charges and will be apportioned to the benefiting lots on a frontage basis and based on final costs in accordance with City policy; and
2. Authorize the City Clerk to bring forward the necessary LAS By-law for the required readings.

## INTENT

The purpose of this report is to advise Council of a petition that has been received by the City for a water main extension as a Local Area Service and to seek Council approval to proceed with an LAS to allow construction of the water main on the basis of an LAS.

## DISCUSSION

The owners of properties fronting 176 Street between the BC Railway and the Nicomekl River and fronting 48 Avenue between 176 Street and the lot known as 17188 - 48 Avenue (all as illustrated on the map attached as Appendix I to this report) have petitioned the City to extend a water main to provide water service to these properties. The petition has been certified as being "sufficient" in accordance with the requirements of the *Community Charter*. A copy of the City Clerk's Certificate of Sufficiency is attached to this report as Appendix II.

The costs of the water main extension have been estimated at \$763,000 and will be shared by the properties within the benefiting area based on the frontage of each property as documented in the Engineer's Report, a copy of which is attached to this report as Appendix III. This is consistent with the City's LAS Policy.

Funding for the water main extension is available in the approved Water Capital LAS Program with costs to be recoverable over time based on the LAS charges that will be collected from the benefiting properties.

## **SUSTAINABILITY CHARTER/CONSIDERATIONS**

The water main extension as described in this report will provide domestic water service to the benefiting lots and will provide water for limited agricultural use, such as crop washing. The water main extension will assist in achieving the objectives of the City's Sustainability Charter; more particularly, the following action items:

- SC14: Support Local Food Production;
- EC3: Sustainable Infrastructure Maintenance and Replacement; and
- EN8: Sustainable Engineering Standards and Practices.

## **CONCLUSION**

Based on the above discussion, it is recommended that Council:

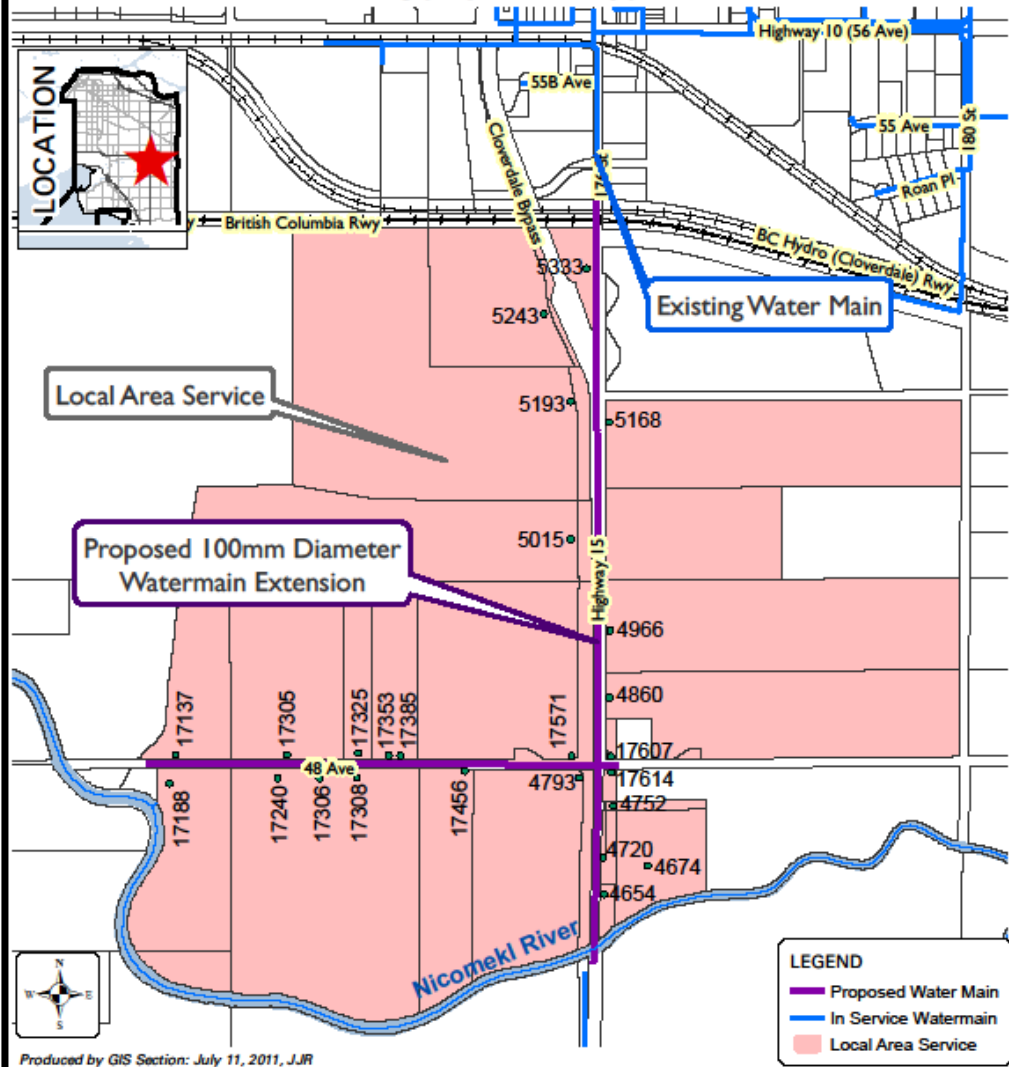
- Approve the establishment of a Local Area Service (LAS) to allow a water main extension along 176 Street from the BC Railway to the Nicomekl River and along 48 Avenue from 176 Street to the lot known as 17188 – 48 Avenue, all as illustrated on the map attached to this report as Appendix I, at an estimated total cost of \$763,000, which costs will be fully recovered by Local Area Service charges and will be apportioned to the benefiting lots on a frontage basis and based on final costs in accordance with City policy; and
- Authorize the City Clerk to bring forward the necessary LAS By-law for the required readings.

Vincent Lalonde, P.Eng.  
General Manager, Engineering

JA/SM/brb

Appendix I - Site Map  
Appendix II - City Clerk's Certificate of Sufficiency  
Appendix III - Engineer's Report

# APPENDIX I PROJECT 1211-901



**LEGEND**

- Proposed Water Main
- In Service Watermain
- Local Area Service

Produced by GIS Section: July 11, 2011, JJR



Local Area Service 1211-901  
Watermain Extension on 176 St from  
BC Railway to Nicomekl River and West on 48 Ave

**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.

G:\Mapping\GIS\Map\Corporate\portal\Eng-Utilities\LAS1211-901 Watermain Extension\_Sortra.Mxd

**Certificate of Sufficiency**  
**a formal petition for Local Area Service**

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Pursuant to Section 212, SBC Chap. 26 of the *Community Charter*, I, *Jane Sullivan*, the City Clerk for City of Surrey, British Columbia certify that a formal petition for undertaking the following work as a Local Area Service agreement has been received and is determined to be sufficient.

General Description of the Work: *Local Area Service*  
*Watermain Extension*  
*176 Street from BC Railway to*  
*Nicomel River and on 48 Avenue*  
*West of 176 Street*

The Council may, by bylaw, undertake the work described above.

  
Jane Sullivan, City Clerk

Date: September 15, 2011

**CITY OF SURREY**  
**ENGINEER'S REPORT (\*)**  
**LOCAL AREA SERVICE - WATER MAIN EXTENSION**  
**By FORMAL PETITION**

Pursuant to Section 212 of the Community Charter, I wish to advise in regard to the following work resolved to be undertaken as a Local Area Service.

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Location: Water Main Extension along 176 Street from BC Railway to Nicomekl River and along 48 Avenue west of 176 Street to #17188 – 48 Avenue, as shown in Appendix I.

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Total Estimated Cost	\$ 763,000(*)
Estimated Service connection Cost per property	\$4,000(*)
Total Frontage of the Properties in the Local Service Area	3,933.54 m
Cost Per Linear Metre for the LAS Cost Share	\$170.58(*)
Amortization Period	15 years
Annual Interest Rate	6.25%(*)

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**Cost Distribution**

Address		Adjusted Frontage	Total Costs Per Lot	Annual payment over 15 years
House	Road			
5333	176 ST	57.35	\$ 13,783.01	\$1,442.41
5243	176 ST	118.62	\$ 24,234.71	\$2,536.19
5193	176 ST	293.44	\$ 54,056.27	\$5,657.06
5015	176 ST	211.36	\$ 40,054.79	\$4,191.78
17571	48 AVE	352.05	\$ 64,054.22	\$6,703.35
17353	48 AVE	100.43	\$ 21,131.79	\$2,211.47
17325	48 AVE	92.07	\$ 19,705.36	\$2,062.19
17305	48 AVE	251.46	\$ 46,895.14	\$4,907.63
17137	48 AVE	207.19	\$ 39,343.37	\$4,117.33
17188	48 AVE	163.40	\$ 31,873.65	\$3,335.62
17240	48 AVE	414.75	\$ 74,749.17	\$7,822.59
17456	48 AVE	124.95	\$ 25,314.09	\$2,649.15
4793	176 ST	247.43	\$ 46,207.34	\$4,835.66
4654	176 ST	121.05	\$ 24,648.89	\$2,579.54
4720	176 ST	165.41	\$ 32,216.36	\$3,371.48
4752	176 ST	50.00	\$ 12,529.22	\$1,311.20

Address		Adjusted Frontage	Total Costs Per Lot	Annual payment over 15 years
House	Road			
17614	48 AVE	50.00	\$ 12,529.22	\$1,311.20
17607	48 AVE	50.00	\$ 12,529.22	\$1,311.20
4860	176 ST	197.69	\$ 37,721.97	\$3,947.65
4966	176 ST	202.97	\$ 38,622.65	\$4,041.91
5066	176 ST	203.36	\$ 38,690.20	\$4,048.98
5168	176 ST	195.26	\$ 37,307.96	\$3,904.32
4674	176 Street	63.32	\$ 14,801.40	\$1,548.98
		<b>3,933.54</b>	<b>\$ 763,000.00</b>	

(\*) All costs are estimates only. A revised Engineer's Report with the actual final cost and the appropriate interest rate for amortization will be prepared upon completion of the work.