

NO: R110

COUNCIL DATE: June 13, 2011

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## REGULAR COUNCIL

TO: **Mayor & Council** DATE: **June 8, 2011**

FROM: **General Manager, Engineering** FILE: **1211-902**

SUBJECT: **Local Area Service - Water Main Extension along Abbey Drive from #17393 to #17497 and along the 174 Street and 174A Street cul-de-sacs off Abbey Drive**

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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 Abbey Drive from #17393 to #17497 and along the 174 Street and 174A Street cul-de-sacs off Abbey Drive, all at an estimated total cost of \$391,000, which costs will be fully recovered by a local area service charge and will be apportioned based on final costs and on a frontage basis across the benefiting properties 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 the construction of a water main extension as a Local Area Service and to obtain Council approval to establish such an LAS, which will allow construction of the water main to proceed.

## DISCUSSION

The owners of properties in the area illustrated on the map attached as Appendix I have petitioned the City to extend a water main to service these properties. The petition has been certified to be "sufficient" in accordance with the requirements of the *Community Charter*. A copy of the City Clerk's Certificate of Sufficiency is attached as Appendix II.

The construction of the subject water main extension meets the requirements of both the City's original Local Area Services Policy R-6 (the "Policy") and the recently revised Policy and is consistent with the water servicing concept for Fraser Heights. The water main extension on Abbey Drive will be part of the feeder main distribution network for the area.

The costs of the water main extension have been estimated at \$391,000 and will be shared among the properties within the benefiting area based on the frontage of each property in accordance with the City's LAS Policy as documented in the Engineer's Report, which is attached as Appendix III.

Funding for the water main extension is available in the approved Water Capital LAS Program.

### **SUSTAINABILITY CHARTER/CONSIDERATIONS**

Connecting the subject lots to the City's water distribution system will improve the quality of water service in the local service area and will assist in achieving the following objectives as contained in the Economic Pillar of the City's Sustainability Charter:

- EC3: Sustainable Infrastructure Maintenance and Replacement; and
- EN8: Sustainable Engineering Standards and Practices.

### **CONCLUSION**

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

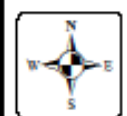
- Approve the establishment of a Local Area Service (LAS) to allow a water main extension along Abbey Drive from #17393 to #17497 and in the 174 Street and 174A Street cul-de-sacs at an estimated total cost of \$391,000, which costs will be fully recovered by a local area service charge and will be apportioned based on final costs and on a frontage basis across the benefiting properties 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

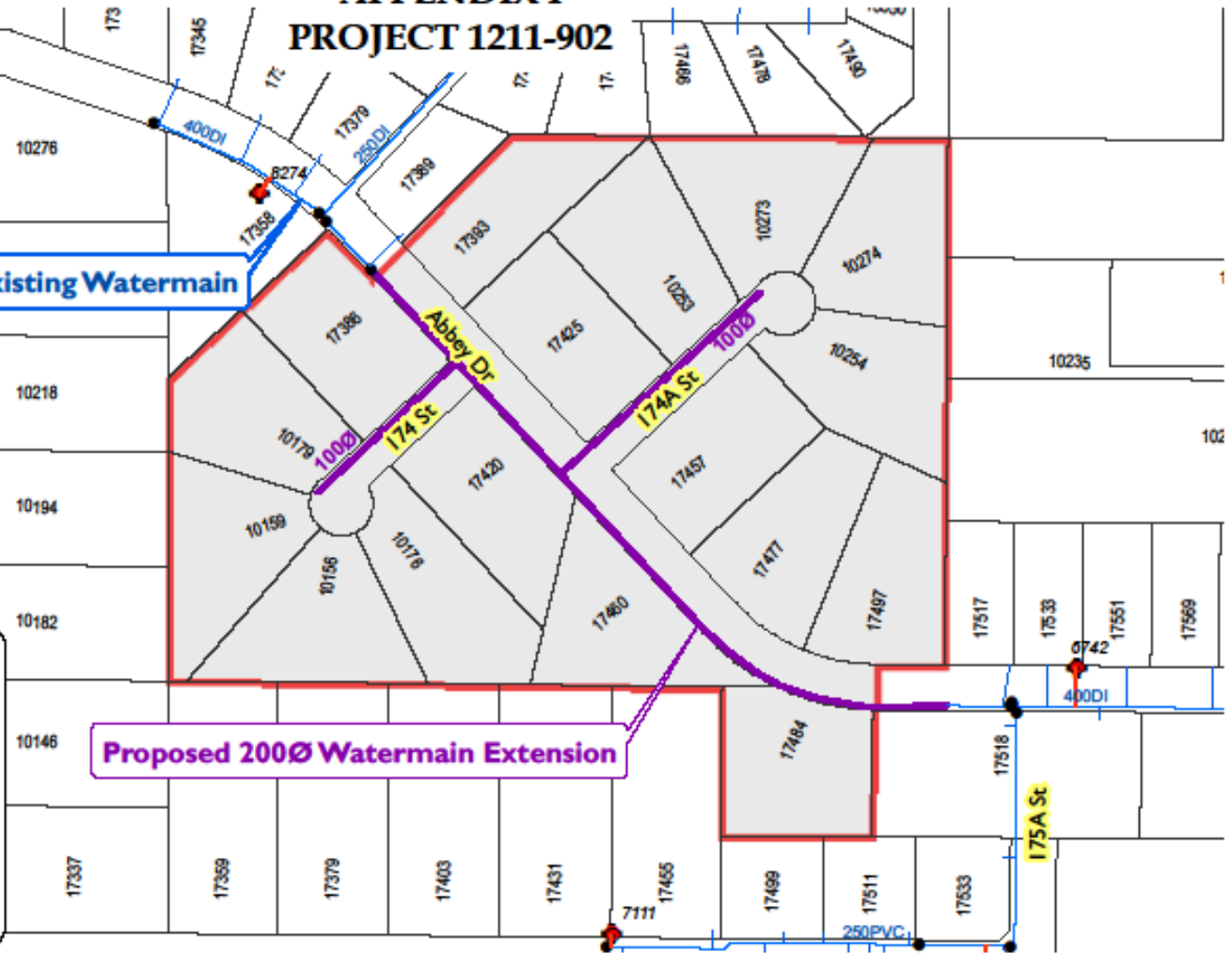
Appendix I - Site Map  
Appendix II - City Clerk's Certificate of Sufficiency  
Appendix III - Engineer's Report

# APPENDIX I PROJECT 1211-902



**LEGEND**

- LAS Benefitting Area
- Parcels
- New Water Mains
- Water Mains In Service
- Domestic Water Connection
- Hydrant Water Connection
- Gate Water Valves
- Fire Hydrant



PRODUCED BY ENGINEERING, GIS SECTION: February 23, 2011, JJR.



## L.A.S. 1211-902 Watermain Extension on Abbey Drive from #17393 to #17497

**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.



FILE COPY

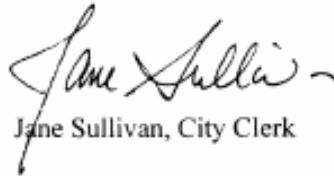
**Certificate of Sufficiency**  
**a formal petition for Local Area Service**

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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*  
*Abbey Dr from 17393 -17497 &*  
*174 & 174A Street Cul-de-sacs*

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

  
Jane Sullivan, City Clerk

Date: May 11, 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 on Abbey Drive from #17393 to #17497 and in the 174 Street and 174A Street cul-de-sacs

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Total Estimated Cost	\$ 391,000(*)
Estimated Service connection Cost per property	\$4,500(*)
Total Frontage of the Properties in the Local Service Area	897.12 m
Cost Per Linear Metre for the LAS Cost Share	\$350.57(*)
Amortization Period	15 years
Annual Interest Rate	6.65%(*)

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**Cost Distribution**

Address		Adjusted Frontage l.m.	Total Costs Per Lot	Annual payment over 15 years
House	Road			
17386	Abbey Drive	51.70	\$ 22,624.32	\$ 2,429.40
10179	174 ST	50.00	\$ 22,028.35	\$ 2,365.40
10159	174 ST	50.00	\$ 22,028.35	\$ 2,365.40
10156	174 ST	50.00	\$ 22,028.35	\$ 2,365.40
10176	174 ST	50.00	\$ 22,028.35	\$ 2,365.40
17420	Abbey Drive	50.00	\$ 22,028.35	\$ 2,365.40
17393	Abbey Drive	50.00	\$ 22,028.35	\$ 2,365.40
17425	Abbey Drive	50.60	\$ 22,238.69	\$ 2,387.99
10253	174A ST	50.00	\$ 22,028.35	\$ 2,365.40
10273	174A ST	50.00	\$ 22,028.35	\$ 2,365.40
10274	174A ST	50.00	\$ 22,028.35	\$ 2,365.40
10254	174A ST	50.00	\$ 22,028.35	\$ 2,365.40
17457	Abbey Drive	50.00	\$ 22,028.35	\$ 2,365.40
17477	Abbey Drive	65.82	\$ 27,575.72	\$ 2,961.08
17497	Abbey Drive	63.17	\$ 26,646.72	\$ 2,861.32
17484	Abbey Drive	50.00	\$ 22,028.35	\$ 2,365.40
17460	Abbey Drive	65.82	\$ 27,574.32	\$ 2,960.93
		<b>897.11</b>	<b>\$391,000.00</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.