

NO: R153

COUNCIL DATE: July 12, 2010

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **July 8, 2010**

FROM: **General Manager, Engineering**

FILE: **1210-903**

SUBJECT: **Local Area Service - Water Main Extension on 84 Avenue from 188 Street to 192 Street and on 188 Street from 84 Avenue to the 8500 Block**

RECOMMENDATIONS

The Engineering Department recommends that Council:

1. Approve the establishment of a Local Area Service (LAS) to allow a water main extension along 84 Avenue between 188 Street and 192 Street and along 188 Street between 84 Avenue and the 8500 Block at an estimated total cost of \$303,000, which costs will be fully recovered by a local service tax and will be apportioned based on final costs on a frontage basis across the benefitting 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 a water main extension as a Local Area Service, which has been deemed 'sufficient' to proceed to construction.

DISCUSSION

The owners of properties fronting 84 Avenue between 188 Street and 192 Street and fronting 188 Street between 84 Avenue and the 8500 Block (as illustrated on the map attached as Appendix I) have petitioned the City to extend a water main to service each of these properties. The petition has been certified to be 'sufficient' in accordance with the *Community Charter*. A copy of the City Clerk's Certificate of Sufficiency is attached as Appendix II.

The costs of the water main extension have been estimated at \$303,000.00 and will be shared between the properties within the benefitting 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

This project will supply water to agricultural lands for both domestic and limited agricultural use such as crop washing, and therefore will support local food production. The new water main will be installed by horizontal directional drilling, a trenchless technology which generates lower CO₂ as compared to traditional open cut construction methods.

The project supports the following Sustainability Charter Scope actions:

- SC14: Support Local Food Production; and
- EN1: Reduce Green House Gases.

CONCLUSION

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

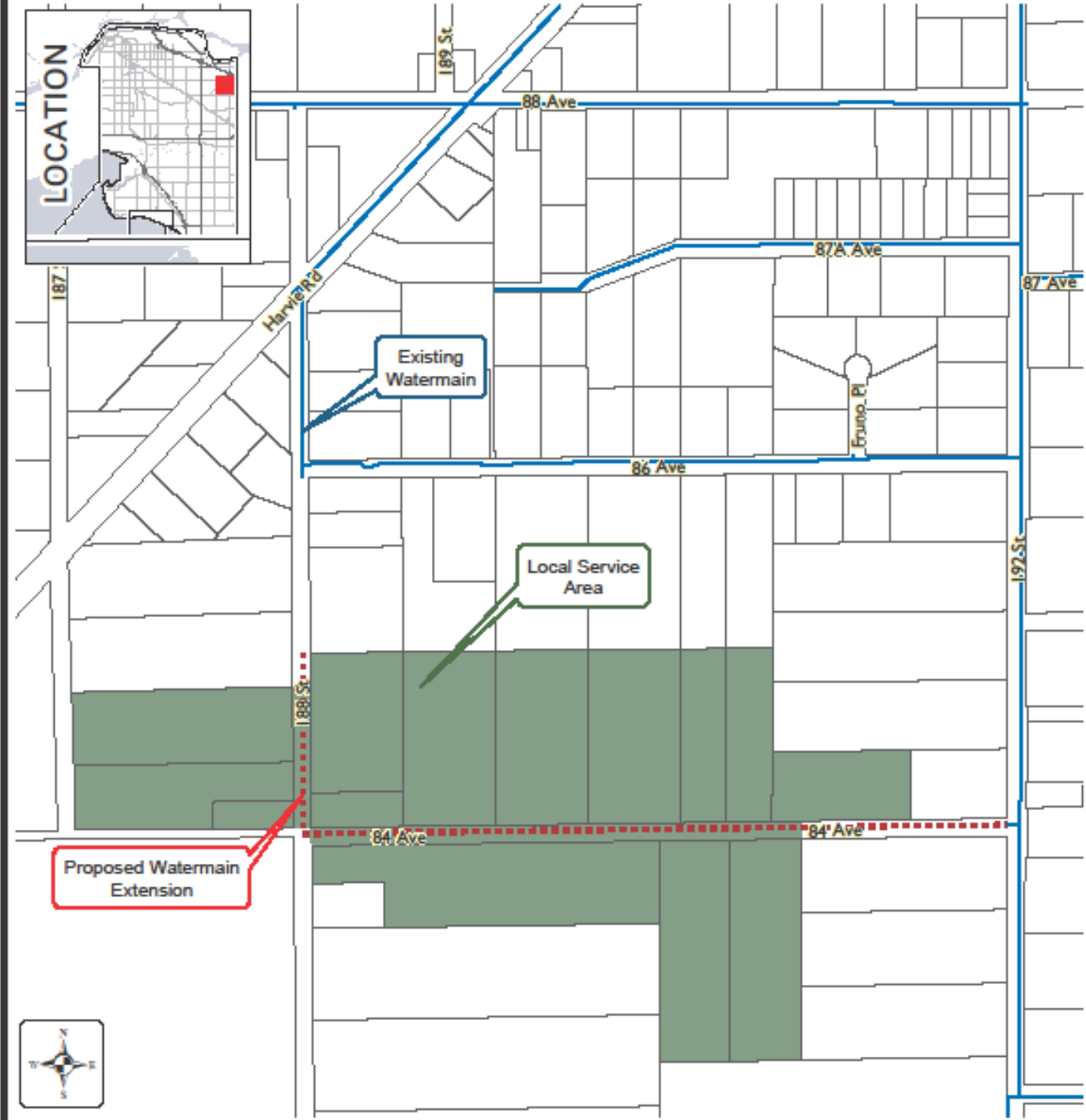
- Approve the establishment of a Local Area Service (LAS) to allow a water main extension along 84 Avenue between 188 Street and 192 Street and along 188 Street between 84 Avenue and the 8500 Block at an estimated total cost of \$303,000, which costs will be fully recovered by a local service tax and will be apportioned based on final costs on a frontage basis across the benefitting 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 1210-903



Produced by GIS Section: April 20, 2010, JJR



LOCAL AREA SERVICE
Watermain Extension on 84 Ave
from 192 St and 188 St and north on 188 St

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

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*
84 Avenue
Between 188 Street and 192 Street
On 188 Street from 40 avenue to 8600 Block

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


Jane Sullivan, City Clerk

Date: June 3, 2010

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.

Location: Water Main Extension on 84 Avenue between 188 Street and 192 Street and on 188 Street from 84 Avenue to 8500 Block, as shown in the Appendix I.

Total Estimated Cost	\$ 303,000(*)
Estimated Service connection Cost per property	\$2,900
Total Frontage of the Properties in the Local Service Area	1,473.06 m
Cost Per Linear Metre for the LAS Cost Share	\$175.66
Amortization Period	15 years
Annual Interest Rate	6.9%(*)

Cost Distribution

Address		Adjusted Frontage	Total Costs Per Lot	Annual payment over 15 years
House	Road			
8455	188 Street	84.22	\$ 17,694.52	\$ 1,930.51
8431	188 Street	42.95	\$ 14,082.18	\$ 1,536.40
8415	188 Street	30.48	\$ 8,254.21	\$ 900.55
8444	188 Street	156.82	\$ 30,447.48	\$ 3,321.89
8404	188 Street	39.32	\$ 9,806.89	\$ 1,069.95
18875	84 Avenue	103.40	\$ 21,063.56	\$ 2,298.08
18927	84 Avenue	103.40	\$ 21,063.56	\$ 2,298.08
18963	84 Avenue	103.40	\$ 21,063.56	\$ 2,298.08
19025	84 Avenue	51.69	\$ 11,980.20	\$ 1,307.07
19061	84 Avenue	51.69	\$ 11,980.20	\$ 1,307.07
19109	84 Avenue	156.18	\$ 30,335.05	\$ 3,309.62
19070	84 Avenue	79.46	\$ 16,858.36	\$ 1,839.28
19020	84 Avenue	79.46	\$ 16,858.36	\$ 1,839.28
8390	188 Street	390.59	\$ 71,511.87	\$ 7,802.10
		1,473.06	\$303,000.00	

(*) 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.