Chair and Members Civic Works Committee

September 22, 2020 (Appoint Consulting Engineers)

RE: Infrastructure Renewal Program

Capital Project ES241420 - Infrastructure Renewal Program - Sanitary Sewers

Capital Project ES254020 - Infrastructure Renewal Program - Stormwater Sewers & Treatment Capital Project EW3580 - Huron Street River Crossing Remedial Work Capital Project EW3625 - Wonderland Road Watermain - Exeter to Hamlyn

Capital Project EW376519 - Water Infrastructure Lifecycle Renewal

Capital Project EW376520 - Infrastructure Renewal Program - Watermains

IBI Group Professional Services (Canada) Inc. - \$146,872.00 (excluding H.S.T.) - Assignment G - (Subledger WS21C00G)

Archibald, Gray & McKay Engineering Limited - \$264,000.00 (excluding H.S.T.) - Assignment H - (Subledger WS21C00H)

Stantec Consulting Ltd. - \$198,899.80 (excluding H.S.T.) - Thames River Watermain Remediation - (Subledger WS21C002)

AECOM Canada Ltd. - \$194,963.00 (excluding H.S.T.) - Wonderland Road Watermain Installation - (Subledger WS21C003)

FINANCE & CORPORATE SERVICES REPORT ON THE SOURCES OF FINANCING:

Finance & Corporate Services confirms that the cost of this project cannot be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of

Section Sect	summary of estimated expenditures	Approved Budget	Additional Funding	Revised Budget	Committed to Date	This Submission	Balance for Future Work
Engineering Utilities Share							
Construction (Utilities Sharie)		\$2,586,825		\$2,586,825	\$2,461,394	\$125,431	\$0
Construction (Utilities Share)	Engineering (Utilities Share)	68,176		68,176	68,176		0
25,000 2	Construction	7,681,500		7,681,500	6,993,100		688,400
1,1619,114 0, 1,619,114 1,079,238 125,431 7,13,400	Construction (Utilities Share)	1,257,613		1,257,613	1,257,613		0
Page	City Related Expenses	25,000		25,000			25,000
Page		11,619,114	0	11,619,114	10,780,283	125,431	713,400
Construction	ES254020 - IRP - Stormwater Sewers & Treatment						
Carpo Carp	· ·					125,430	
13,502,850		10,681,011		10,681,011	6,872,482		3,808,529
Page	City Related Expenses						
Regineering		13,502,850	0	13,502,850	9,468,939	125,430	3,908,481
Construction Cons							
Section 1,681 1,	· ·	•			•	196,542	
Page							
Page	City Related Expenses						
Page		2,894,969	0	2,894,969	2,698,427	196,542	0
Engineering							
Property Construction	Engineering 2)	170,748	27,646	198,394		198,394	0
Property Construction	EMOZOFAO MARA Laforato et la Lifera de Branco de						
Contruction 9,634,189 9,634,189 52,636 50,63 50,63 50,63 50,63 50,63 50,63 50,63 50,63 50,63 50,63 50,63 306,133 306,133 20,80 11,281,626 5,859 306,133 306,133 20,80 2,594,060 12,293,618 11,981,626 5,859 306,133 306,133 20,80 2,594,060 2,242,819 167,241 0 0 0 17,318,166 167,241 17,334,653 18,00 17,318,166 0 17,318,166 18,00 18,004,414 167,241 3,346,531 2,50		0.050.000		0.050.000	0.050.004	5.050	0
City Related Expenses	· ·	, ,				5,859	-
March Marc							•
Page	City Related Expenses						
Page	EMOZOFOO IDD Wets	12,293,618	0	12,293,618	11,981,626	5,859	306,133
City Related Expenses		0.504.000		0.504.000	0.400.040	407.044	0
NET ESTIMATED EXPENDITURES 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531 3,465,518 3,467,318 3,467,	· ·					167,241	-
NET ESTIMATED EXPENDITURES \$57,799,485 \$27,646 \$57,827,131 \$48,733,689 \$818,897 \$8,274,545 \$8							
SUMMARY OF FINANCING: SE241420 - IRP - Sanitary Sewers S5,642,540 S5,642,540 S6,642,540 S6,642,54	City Related Expenses					407.044	
SUMMARY OF FINANCING: E3241420 - IRP - Sanitary Sewers S5,642,540 S5,642,540 S6,642,540 S6,644,540 S6,644,54							
Second S		PET TOO 40E	\$27 G1G	\$57 9 27 131	\$48 733 68 9	\$818.897	\$8 274 54 5
Second S	NET ESTIMATED EXPENDITURES	\$57,799,485	\$27,040	Ψ37,027,131	Ψ+0,1 00,003	+++++++++++++++++++++++++++++++++++++	Ψο,Σ: 1,0 10
Capital Sewer Rates	•	\$57,799,485	Ψ27,040	ψ57,027,131	Ψ40,100,000		Ψ0,27 1,0 10
Pederal Gas Tax	SUMMARY OF FINANCING:	\$57,799,485	\$27,040	Ψ37,027,131	Ψ+0,100,003		ψο,Σ. 1,0 10
Other Contributions (Utilities) 1,325,789 1,325,789 1,325,789 1,325,789 0 ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates 2,277,960 2,277,960 2,277,960 2,277,960 0 Drawdown from Sewage Works Reserve Fund 11,214,166 11,214,166 7,180,255 125,430 3,908,481 Other Contributions 10,724	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers		φ21,040				
Segon	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates	\$5,642,540	\$21,040	\$5,642,540	\$5,642,540	<u> </u>	\$0
Capital Sewer Rates	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax	\$5,642,540 4,650,785	\$21,040	\$5,642,540 4,650,785	\$5,642,540 3,811,954	<u> </u>	\$0 713,400
Capital Sewer Rates 2,277,960 2,277,960 2,277,960 0 0 Drawdown from Sewage Works Reserve Fund 11,214,166 11,214,166 7,180,255 125,430 3,908,481 Other Contributions 10,724	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax	\$5,642,540 4,650,785 1,325,789		\$5,642,540 4,650,785 1,325,789	\$5,642,540 3,811,954 1,325,789	125,431	\$0 713,400 0
Drawdown from Sewage Works Reserve Fund Other Contributions 11,214,166 11,214,166 11,214,166 11,724 10,724 10,724 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities)	\$5,642,540 4,650,785 1,325,789		\$5,642,540 4,650,785 1,325,789	\$5,642,540 3,811,954 1,325,789	125,431	\$0 713,400 0
Other Contributions 10,724 10,724 10,724 10,724 0 EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund 2,597,476 2,597,476 2,400,934 196,542 0 Federal Gas Tax 297,493 297,493 297,493 297,493 196,542 0 EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn 2,894,969 0 2,894,969 2,698,427 196,542 0 Drawdown from Capital Water Reserve Fund 2) 8,537 1,382 9,919 9,919 9,919 0 Drawdown from City Services - Water Reserve Fund 28-3 162,211 26,264 188,475 188,475 0 (Development Charges) 170,748 27,646 198,394 0 198,394 0 EW376519 - Water Infrastructure Lifecycle Renewal 17,692,100 7,692,100 7,692,100 0 Capital Water Rates 7,692,100 561,000 561,000 561,000 0 Drawdown from Capital Water Reserve Fund 4,040,518 4,040,518 3,728,526 5,859	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment	\$5,642,540 4,650,785 1,325,789 11,619,114		\$5,642,540 4,650,785 1,325,789 11,619,114	\$5,642,540 3,811,954 1,325,789 10,780,283	125,431	\$0 713,400 0 713,400
13,502,850 0 13,502,850 9,468,939 125,430 3,908,481	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960		\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960	125,431	\$0 713,400 0 713,400
Drawdown from Capital Water Reserve Fund 2,597,476 2,597,476 2,400,934 196,542 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166		\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255	125,431	\$0 713,400 0 713,400 0 3,908,481
Drawdown from Capital Water Reserve Fund Federal Gas Tax 2,597,476 297,493 2,597,476 297,493 2,400,934 297,493 196,542 0 0 EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) 8,537 1,382 9,919 9,919 9,919 0 9,919 9,919 0 0 Drawdown from City Services - Water Reserve Fund 283 (Development Charges) 162,211 26,264 188,475 188,475 0 188,475 0 0 EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates 7,692,100 7,692,10	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724	125,431 125,431 125,430	\$0 713,400 0 713,400 0 3,908,481 0
Pederal Gas Tax 297,493 297,493 297,493 297,493 0 2,894,969 0 2,894,969 2,698,427 196,542 0 0 2,894,969 2,698,427 196,542 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724	125,431 125,431 125,430	\$0 713,400 0 713,400 0 3,908,481 0
EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) 8,537 1,382 9,919 9,919 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939	125,431 125,431 125,430 125,430	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481
Drawdown from Capital Water Reserve Fund 2 8,537 1,382 9,919 9,919 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934	125,431 125,431 125,430 125,430	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481
Drawdown from Capital Water Reserve Fund Drawdown from City Services - Water Reserve Fund 2&3) 1,382 9,919 9,919 0 Drawdown from City Services - Water Reserve Fund (Development Charges) 170,748 27,646 198,394 0 198,394 0 EW376519 - Water Infrastructure Lifecycle Renewal 7,692,100 7,692,100 7,692,100 7,692,100 0 Capital Water Rates 7,692,100 4,040,518 3,728,526 5,859 306,133 Federal Gas Tax 561,000 561,000 561,000 561,000 0 EW376520 - IRP - Watermains 10,753,000 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493	125,431 125,431 125,430 125,430 196,542	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481
Drawdown from City Services - Water Reserve Fund (Development Charges) 162,211 26,264 188,475 188,475 0 EW376519 - Water Infrastructure Lifecycle Renewal 7,692,100 7,692,100 7,692,100 7,692,100 0 Capital Water Rates 7,692,100 7,692,100 7,692,100 0 0 Drawdown from Capital Water Reserve Fund 4,040,518 4,040,518 3,728,526 5,859 306,133 Federal Gas Tax 561,000 561,000 561,000 561,000 0 EW376520 - IRP - Watermains 10,753,000 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493	125,431 125,431 125,430 125,430 196,542	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481
Capital Water Rates	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969	0	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493	125,431 125,431 125,430 125,430 196,542	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0
Top. 748 27,646 198,394 0 10,769,100 0 0 0 0 0 0 0 0 0	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537	0 0 1,382	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493	125,431 125,431 125,430 125,430 196,542 196,542 9,919	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0
EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates 7,692,100 7,692,100 7,692,100 0 Drawdown from Capital Water Reserve Fund 4,040,518 4,040,518 3,728,526 5,859 306,133 Federal Gas Tax 561,000 561,000 561,000 561,000 0 EW376520 - IRP - Watermains Capital Water Rates 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 233	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537	0 0 1,382	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493	125,431 125,431 125,430 125,430 196,542 196,542 9,919	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0
Capital Water Rates 7,692,100 7,692,100 7,692,100 7,692,100 0 Drawdown from Capital Water Reserve Fund 4,040,518 4,040,518 3,728,526 5,859 306,133 Federal Gas Tax 561,000 561,000 561,000 0 12,293,618 0 12,293,618 11,981,626 5,859 306,133 EW376520 - IRP - Watermains Capital Water Rates 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 233	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211	0 0 1,382 26,264	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0
Drawdown from Capital Water Reserve Fund 4,040,518 4,040,518 3,728,526 5,859 306,133 Federal Gas Tax 561,000 561,000 561,000 0 12,293,618 0 12,293,618 11,981,626 5,859 306,133 EW376520 - IRP - Watermains Capital Water Rates 10,753,000 10,753,000 10,753,000 0 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges)	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211	0 0 1,382 26,264	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0
Federal Gas Tax 561,000 561,000 561,000 0 12,293,618 0 12,293,618 11,981,626 5,859 306,133 EW376520 - IRP - Watermains Capital Water Rates 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges)	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211	0 0 1,382 26,264	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0
EW376520 - IRP - Watermains 12,293,618 0 12,293,618 11,981,626 5,859 306,133 Capital Water Rates 10,753,000 10,753,000 10,753,000 0 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100	0 0 1,382 26,264	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475 198,394	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0
EW376520 - IRP - Watermains Capital Water Rates 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518	0 0 1,382 26,264	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475 198,394	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 306,133
Capital Water Rates 10,753,000 10,753,000 10,753,000 0 Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475 198,394 5,859	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 0 306,133 0
Drawdown from Capital Water Reserve Fund 6,565,186 6,565,186 3,051,414 167,241 3,346,531 17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund Federal Gas Tax	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475 198,394 5,859	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 0 306,133 0
17,318,186 0 17,318,186 13,804,414 167,241 3,346,531	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund Federal Gas Tax	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000 12,293,618	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000 12,293,618	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000 11,981,626	125,431 125,431 125,430 125,430 196,542 196,542 9,919 188,475 198,394 5,859	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 306,133 0 306,133
	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund Federal Gas Tax EW376520 - IRP - Watermains Capital Water Rates	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000 12,293,618 10,753,000	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000 12,293,618 10,753,000	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000 11,981,626 10,753,000	125,431 125,430 125,430 125,430 196,542 196,542 9,919 188,475 198,394 5,859 5,859	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 306,133 0 306,133
TOTAL FINANCING \$57,799,485 \$27,646 \$57,827,131 \$48,733,689 \$818,897 \$8,274,545	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund Federal Gas Tax EW376520 - IRP - Watermains Capital Water Rates	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000 12,293,618 10,753,000 6,565,186	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000 12,293,618 10,753,000 6,565,186	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000 11,981,626 10,753,000 3,051,414	125,431 125,431 125,430 125,430 125,430 196,542 196,542 9,919 188,475 198,394 5,859 5,859	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 306,133 0 306,133 0 3,346,531
	SUMMARY OF FINANCING: ES241420 - IRP - Sanitary Sewers Capital Sewer Rates Federal Gas Tax Other Contributions (Utilities) ES254020 - IRP - Stormwater Sewers & Treatment Capital Sewer Rates Drawdown from Sewage Works Reserve Fund Other Contributions EW3580 - Huron St River Crossing Remedial Work Drawdown from Capital Water Reserve Fund Federal Gas Tax EW3625 - Wonderland Rd Wtrmn - Exeter to Hamlyn Drawdown from Capital Water Reserve Fund 2) Drawdown from City Services - Water Reserve Fund 2&3) (Development Charges) EW376519 - Water Infrastructure Lifecycle Renewal Capital Water Rates Drawdown from Capital Water Reserve Fund Federal Gas Tax EW376520 - IRP - Watermains Capital Water Rates Drawdown from Capital Water Reserve Fund	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 8,537 162,211 170,748 7,692,100 4,040,518 561,000 12,293,618 10,753,000 6,565,186 17,318,186	0 0 1,382 26,264 27,646	\$5,642,540 4,650,785 1,325,789 11,619,114 2,277,960 11,214,166 10,724 13,502,850 2,597,476 297,493 2,894,969 9,919 188,475 198,394 7,692,100 4,040,518 561,000 12,293,618 10,753,000 6,565,186 17,318,186	\$5,642,540 3,811,954 1,325,789 10,780,283 2,277,960 7,180,255 10,724 9,468,939 2,400,934 297,493 2,698,427 0 7,692,100 3,728,526 561,000 11,981,626 10,753,000 3,051,414 13,804,414	125,431 125,431 125,430 125,430 125,430 196,542 196,542 198,394 5,859 5,859 167,241 167,241	\$0 713,400 0 713,400 0 3,908,481 0 3,908,481 0 0 0 0 0 0 0 0 306,133 0 306,133 0 3,346,531 3,346,531

Chair and Members Civic Works Committee

September 22, 2020 (Appoint Consulting Engineers)

RE: Infrastructure Renewal Program

Capital Project ES241420 - Infrastructure Renewal Program - Sanitary Sewers

Capital Project ES254020 - Infrastructure Renewal Program - Stormwater Sewers & Treatment Capital Project EW3580 - Huron Street River Crossing Remedial Work
Capital Project EW3625 - Wonderland Road Watermain - Exeter to Hamlyn

Capital Project EW376519 - Water Infrastructure Lifecycle Renewal Capital Project EW376520 - Infrastructure Renewal Program - Watermains

IBI Group Professional Services (Canada) Inc. - \$146,872.00 (excluding H.S.T.) - Assignment G - (Subledger WS21C00G)

Archibald, Gray & McKay Engineering Limited - \$264,000.00 (excluding H.S.T.) - Assignment H - (Subledger WS21C00H)

Stantec Consulting Ltd. - \$198,899.80 (excluding H.S.T.) - Thames River Watermain Remediation - (Subledger WS21C002)

AECOM Canada Ltd. - \$194,963.00 (excluding H.S.T.) - Wonderland Road Watermain Installation - (Subledger WS21C003)

1) FINANCIAL NOTE: (EXCLUDING H.S.T.)	ES241420	ES254020	EW3580	EW3625
Listed by Engineer and Contract				
IBI Group Professional Services (Canada) IncAssign. G	\$44,062	\$44,061		
Archibald, Gray and McKay Engineering Limited-Assign. H	79,200	79,200		
Stantec Consulting LtdThames River Wtrmn Remediation			193,142	
AECOM Canada LtdWonderland Rd. Wtrmn. Installation				194,963
TOTAL PER CAPITAL PROJECT (EXCLUDING H.S.T.)	\$123,262	\$123,261	\$193,142	\$194,963
			TOTAL PER	CONTRACT
FINANCIAL NOTE (continued)	EW376519	EW376520	Excluding HST	Incl. HST
Listed by Engineer and Contract	·			
IBI Group Professional Services (Canada) IncAssign. G		\$58,749	\$146,872	\$149,457
Archibald, Gray and McKay Engineering Limited-Assign. H		105,600	264,000	268,646
Stantec Consulting LtdThames River Wtrmn Remediation	5,758		198,900	202,400
AECOM Canada LtdWonderland Rd. Wtrmn. Installation			194,963	198,394
TOTAL PER CAPITAL PROJECT (EXCLUDING H.S.T.)	\$5,758	\$164,349	\$804,735	\$818,897
2) Financial Note: (Charges per Capital Project)	ES241420	ES254020	EW3580	EW3625
Contract Price	\$123,262	\$123,261	\$193,142	\$194,963
Add: HST @13%	16,024	16,024	25,108	25,345
Total Contract Price Including Taxes	139,286	139,285	218,250	220,308
Less: HST Rebate	13,855	13,855	21,708	21,914
Net Contract Price	\$125,431	\$125,430	\$196,542	\$198,394
Financial Note:(Charges per Capital Project)				
continued		EW376519	EW376520	TOTAL
Contract Price	•	\$5,758	\$164,349	\$804,735
Add: HST @13%		749	21,365	104,615
Total Contract Price Including Taxes		6,507	185,714	909,350
Less: HST Rebate		648	18,473	90,453
Net Contract Price	•	\$5,859	\$167,241	\$818,897

2)	The additional funding for Capital Project EW3625 - Wonderland Road Watermain - Exeter to Hamlyn is included in the 2021 proposed budget. A portion of this
	budget (\$27,646) is required in 2020 and can be accommodated by advancing a portion of the 2021 budget. Upon Council approval of this recommendation, the
	2021 proposed budget for project EW3625 will be revised.

2/	Development charges have been	utilizad in accordance with t	tha undarking lagislation on	d the Dovelonment Charge	a Daakarawad Ctudioo a	ampleted in 2010
O.	Development charges have been	i utilized in accordance with	ine undenvind ledislation and	i ine Development Charge:	s packurounu studies t	ombietea in zu is.

Jason Davies	
Manager of Financial Planning & Policy	