

**Staff Report SRPRS.19.040  
Attachment A - 2016 Development Charges  
Update Study - Engineering Services,  
Wastewater Project WW-16**

**Table 4-2  
Town of Richmond Hill  
Wastewater Capital Projects**

U.M.E.S.P. Zones*	Increased Service Needs Attributable to Anticipated Development 2014-2031	Gross Capital Cost Estimate (2014\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less: Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Potential DC Recoverable Cost		Non-Residential Share 39%
								Total	Residential Share 61%	
WW-1	Upgrade from 375mm to 450mm	758,000	75,800		682,200	207,966		474,234	288,449	185,785
WW-2	Add a new 250mm in a frontage easement	505,000	50,500		454,500	0		454,500	276,446	178,054
WW-3	Upgrade 300mm to 375mm and 375mm to 450mm	231,000	23,100		207,900	49,031		158,869	96,631	62,238
WW-3	Upgrade 300mm to 375mm and 375mm to 450mm	603,000	60,300		542,700	104,166		438,534	286,735	171,799
WW-4-B	Connect part of new developments to sewer trunk at Yonge St.	294,000	29,400		264,600	0		264,600	160,941	103,659
WW-5	Oversizing for Greatlands Servicing Agreement	219,000	21,900		197,100	0		197,100	119,885	77,215
WW-6	Upgrade from 300mm to 450mm	202,000	20,200		181,800	82,651		99,149	60,307	38,842
WW-7	Upgrade from 250mm to 375mm	833,000	83,300		749,700	292,754		456,946	277,934	179,012
WW-8	Upgrade from 250mm to 300mm	1,010,000	101,000		909,000	359,791		555,209	337,701	217,508
WW-9	Upgrade 300mm to 375mm and 375mm to 450mm	394,000	39,400		354,600	341,558		13,042	7,933	5,109
WW-9	Upgrade 300mm to 375mm and 375mm to 450mm	846,000	84,600		761,400	558,931		202,469	123,150	79,319
WW-9	Upgrade 300mm to 375mm and 375mm to 450mm	729,000	72,900		656,100	513,319		142,781	86,846	55,936
WW-10	Upgrade 250mm to 375mm	1,618,000	161,800		1,456,200	625,502		830,698	505,265	325,433
WW-10	Upgrade 300mm to 450mm	662,000	66,200		595,800	207,874		387,926	235,953	151,973
WW-10	Upgrade 350mm to 525mm	847,000	84,700		762,300	198,380		563,920	343,000	220,920
WW-10	Upgrade 375mm to 525mm	232,000	23,200		208,800	54,338		154,462	93,950	60,512
WW-11	Upgrade 300mm to 525mm	682,000	68,200		613,800	181,307		432,493	263,060	169,433
WW-11	Upgrade 300mm to 600mm	535,000	53,500		481,500	125,609		355,891	216,468	139,423
WW-11	Upgrade 375mm to 600mm	361,000	36,100		324,900	90,512		234,388	142,566	91,824
WW-11	Upgrade 450mm to 600mm	615,000	61,500		553,500	202,326		351,174	213,599	137,575
WW-11	Upgrade 375mm to 600mm	241,000	24,100		216,900	60,425		156,475	95,175	61,300
WW-11	Upgrade 300mm to 600mm	736,000	73,600		661,500	172,565		488,935	297,391	191,544
WW-12	Upgrade from 250mm to 300mm	1,377,000	137,700		1,239,300	453,013		786,287	478,253	308,034
WW-13	Upgrade from 250mm to 300mm	657,000	4,056		652,944	616,444		36,500	22,201	14,299
WW-13	Upgrade from 250mm to 525mm	1,591,000	159,100		1,431,900	486,144		945,756	575,248	370,507
WW-14	Upgrade from 250mm to 525mm, disconnect the pipe running south on Yonge St.	1,131,000	113,100		1,017,900	528,960		488,940	297,394	191,546
WW-15-B	Provision for Connecting new developments directly to the Richmond Hill Collector	1,010,000	101,000		909,000	0		909,000	552,892	356,108
WW-15-D	Provision for Connecting new developments directly to the Richmond Hill Collector	1,515,000	151,500		1,363,500	0		1,363,500	829,338	534,162
WW-16	Provision for New Sewer	1,086,000	108,600		977,400	0		977,400	594,496	382,904
WW-17	Provision for New Sewer	1,515,000	151,500		1,363,500	0		1,363,500	829,338	534,162
WW-18	Upgrade existing 300mm to 375mm Reserve Fund Adjustment	455,000	45,500		409,500	147,704		261,796	159,235	102,561
					0	239,899		(239,899)	(145,916)	(93,982)
	<b>Total U.M.E.S.P. Wastewater Works</b>	<b>23,489,000</b>	<b>2,287,256</b>	<b>0</b>	<b>21,201,744</b>	<b>6,896,168</b>	<b>0</b>	<b>14,305,576</b>	<b>8,701,861</b>	<b>5,604,715</b>

\* U.M.E.S.P. Zones are as identified in Appendix D of the TMIG Urban Master Environmental Servicing Plan Report, Final, May 2014

Refer to Map 3