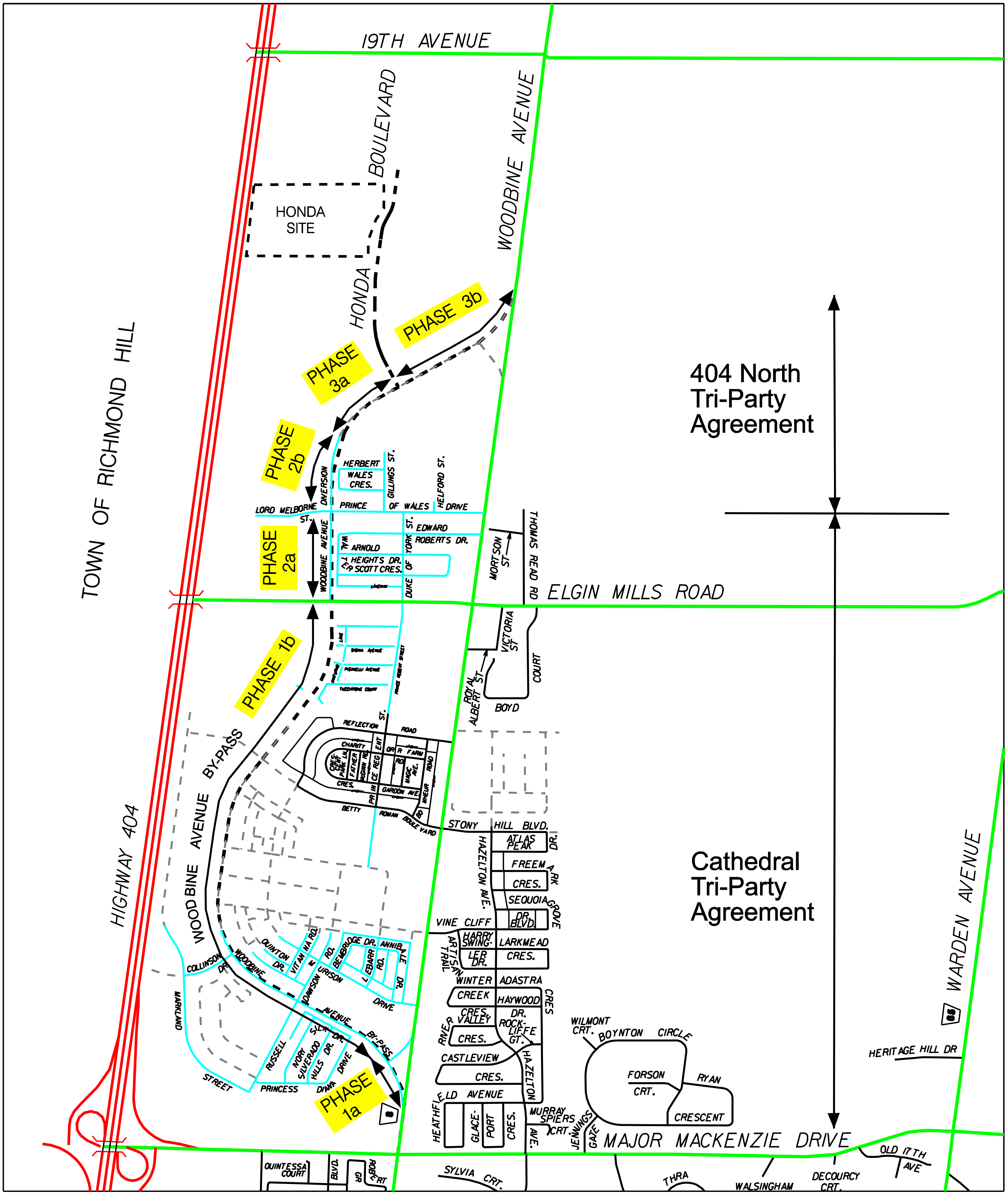

WOODBINE AVENUE BY–PASS ROAD

CONSTRUCTION PHASING PLAN

DATE: 15/04/09

MARKHAM the MARK of EXCELLENCE DEVELOPMENT SERVICES COMMISSION DWN BY: RT CHK BY: AW

Attachment 'A'

Attachment 'B' - Cathedral Developers
Woodbine Avenue By-pass - Phase 1A Funding

Item	Total cost	Town Costs	Illumination	Sidewalk	Multi-Use Path	Regional costs (Note 1)	Cathedral Developers	Comments
Design Fees - AECOM	$21,035.00	$3,548.01	$852.99	$1,327.19	$1,367.83	$17,195.44	$291.55	
Construction Cost	$ 1,651,745.63	$ 278,602.42	$66,979.92	$104,215.60	$107,406.90	$1,350,249.36	$22,893.85	
Construction Contingencies	$165,174.56	$27,860.24	$6,697.99	$10,421.56	$10,740.69	$135,024.94	$2,289.38	
Contract Admin. and Site Inspections	$94,066.94	$15,866.41	$3,814.51	$5,935.08	$6,116.83	$76,896.73	$1,303.80	Includes Geotech. Inpections,as well as all Electrical inspections.
Contract Admin. & Site Insp. Contingencies	$9,361.92	$1,579.09	$379.64	$590.68	$608.77	$7,653.07	$129.76	
Utilities relocation - Powerstream pole relocates	$74,569.00					$74,569.00		
Utilities relocation - Powerstream pole relocates - Contingencies	$7,500.00					$7,500.00		
Utilities relocation - Rogers relocation	$10,648.98					$10,648.98		
Engineering Department Project Management Fee @ 4.0%	$81,364.08	$13,098.25	$3,149.00	$4,899.60	$5,049.64	$67,189.50	$1,076.33	
Totals	**$2,115,466.12**	**$340,554.41**	**$81,874.04**	**$127,389.71**	**$131,290.66**	**$1,746,927.02**	**$27,984.68**	

Notes:
1. The funding for the Regional Road costs are advanced by the Developer (DC eligible).
2. The Developer funds are non-recovereable and cover Developer's costs for electrial distribution works and a portion of contingency items.
3. Town costs consists of illumination, sidewalk, and multi-use path.
4. HST has been included, where applicable

Attachment 'B' - 404 North Developers Group
Woodbine Avenue By-pass - Phase 3B Funding

Item	Total cost	Town Costs	Illumination	Sidewalk	Multi-Use Path	Sanitary Sewer	Regional costs (Note 1)	Vetmar (404 North Developers)	Comments
Design Fees - AECOM	$52,983.46	$6,297.41	$3,714.32	$1,240.12	$1,342.97		$41,581.34	$5,104.71	
Design Fees - Masongsong	$78,942.97	$9,382.86	$5,534.17	$1,847.72	$2,000.96		$61,954.32	$7,605.78	
Design Fees - AECOM - Peer Review	$10,692.46	$1,270.86	$749.58	$250.27	$271.02		$8,391.43	$1,030.17	
Additional Design Fees - Masongsong	$64,170.00	$7,627.00	$4,498.54	$1,501.95	$1,626.51		$50,360.52	$6,182.48	
Design fees related to Sanitary Sewer design - Masongsong	$11,933.90	$11,933.90				$11,933.90			
Construction Cost	$3,277,734.19	$389,578.98	$181,539.88	$60,611.69	$65,638.54	$81,788.87	$2,572,360.90	$315,794.31	
Construction Contingencies	$327,773.42	$38,957.90	$18,153.99	$6,061.17	$6,563.85	$8,178.89	$257,236.09	$31,579.43	
Contract Admin. and Site Inspections	$94,066.94	$11,180.44	$5,209.97	$1,739.48	$1,883.75	$2,347.24	$73,823.60	$9,062.91	Includes Geotech. Inpections,as well as all Electrical inspections.
Contract Admin. & Site Insp. Contingencies	$9,361.92	$1,112.72	$518.52	$173.12	$187.48	$233.61	$7,347.22	$901.98	
Utilities relocation - Powerstream pole relocates	$111,936.00						$111,936.00		
Utilities relocation - Bell relocation	$87,208.32						$87,208.32		
Utilities relocation - Rogers relocation	$13,558.50						$13,558.50		
11116 Woodbine Avenue - Fee simple / easement	$89,548.80						$89,548.80		
11139 Woodbine Ave - easement	$36,608.16						$36,608.16		
11181 Woodbine Ave - easement	$23,404.80						$23,404.80		
11192 Woodbine Ave - encroachment permit from Hydro One	$1,602.72						$1,602.72		
Land appraisal costs by Town	$9,295.78						$9,295.78		
Engineering Department Project Management Fee @ 4.0%	$172,032.89	$19,093.68	$8,796.76	$2,937.02	$3,180.60	$4,179.30	$137,848.74	$15,090.47	
Totals	**$4,472,855.24**	**$496,435.77**	**$228,715.72**	**$76,362.54**	**$82,695.69**	**$108,661.81**	**$3,584,067.25**	**$392,352.23**	

Notes:
1. The funding for the Regional Road costs are advanced by the Developer (DC eligible).
2. The Developer funds are non-recovereable and cover Developer's costs for electrial distribution works and a portion of contingency Items.
3. Bell and Powerstream costs are estimates at this time; no quotes received yet.
4. Town costs consists of illumination, sidewalk, multi-use path, and sanitary sewer.
5. HST has been included, where applicable

Attachment 'B' - Cathedral Developers and 404 North Developers Group
Woodbine Avenue By-pass - Phases 1A and 3B Funding

Item	Total cost	Town Costs	Illumination	Sidewalk	Multi-Use Path	Sanitary Sewer	Regional costs (Note 1)	Cathedral Developers	Vetmar (404 North Developers)
Design Fees - AECOM	$74,018.46	$9,845.42	$4,567.31	$2,567.31	$2,710.80		$58,776.78	$291.55	$5,104.71
Design Fees - Masongsong	$78,942.97	$9,382.86	$5,534.17	$1,847.72	$2,000.96		$61,954.32	$0.00	$7,605.78
Design Fees - AECOM - Peer Review	$10,692.46	$1,270.86	$749.58	$250.27	$271.02		$8,391.43	$0.00	$1,030.17
Additional Design Fees - Masongsong	$64,170.00	$7,627.00	$4,498.54	$1,501.95	$1,626.51		$50,360.52	$0.00	$6,182.48
Design fees related to Sanitary Sewer design - Masongsong	$11,933.90	$11,933.90				$11,933.90			
Construction Cost	$4,929,479.82	$668,181.40	$248,519.80	$164,827.29	$173,045.44	$81,788.87	$3,922,610.27	$22,893.85	$315,794.31
Construction Contingencies	$492,947.98	$66,818.14	$24,851.98	$16,482.73	$17,304.54	$8,178.89	$392,261.03	$2,289.38	$31,579.43
Contract Admin. and Site Inspections	$188,133.89	$27,046.85	$9,024.48	$7,674.56	$8,000.57	$2,347.24	$150,720.32	$1,303.80	$9,062.91
Contract Admin. & Site Insp. Contingencies	$18,723.84	$2,691.81	$898.15	$763.80	$796.25	$233.61	$15,000.29	$129.76	$901.98
Utilities relocation - Powerstream pole relocates	$186,505.00						$186,505.00		
Utilities relocation - Powerstream pole relocates - contingencies	$7,500.00						$7,500.00		
Utilities relocation - Bell relocation	$87,208.32						$87,208.32		
Utilities relocation - Rogers relocation	$24,207.48						$24,207.48		
11116 Woodbine Avenue - Fee simple / easement	$89,548.80						$89,548.80		
11139 Woodbine Ave - easement	$36,608.16						$36,608.16		
11181 Woodbine Ave - easement	$23,404.80						$23,404.80		
11192 Woodbine Ave - encroachment permit from Hydro One	$1,602.72						$1,602.72		
Land appraisal costs by Town	$9,295.78						$9,295.78		
Engineering Department Project Management Fee @ 4.0%	$253,396.98	$32,191.93	$11,945.76	$7,836.63	$8,230.24	$4,179.30	$205,038.24	$1,076.33	$15,090.47
Totals	**$6,588,321.36**	**$836,990.18**	**$310,589.77**	**$203,752.26**	**$213,986.34**	**$108,661.81**	**$5,330,994.26**	**$27,984.68**	**$392,352.23**

Notes:
1. The funding for the Regional Road costs are advanced by the Developer (DC eligible).
2. The Developer funds are non-recovereable and cover Developer's costs for electrial distribution works and a portion of contingency items.
3. Bell and and portion of Powerstream costs are estimates at this time; no quotes received yet.
4. Town costs consists of illumination, sidewalk, multi-use path, and sanitary sewer.
5. HST has been included, where applicable