APPENDIX 2 – INFRASTRUCTURE COST ESTIMATES

	Quantity	Unit		Cost
Schedule 1 - Stormwater and Landscaping				
Waingawa Stream Greenway				
Landscaping/Planting	56400	m^2	$1.00	$56,400
2400mm Dia culvert	40	metres	$2,500.00	$100,000
2700mm Dia Culvert	120	metres	$2,900.00	$348,000
2850mm Dia Culvert	30	metres	$3,000.00	$90,000
Contingencies	20%			$118,880
Design and Supervision	10%			$59,440
				$713,280
Land Purchase	56400	m^2	$3.37	$190,000
Total Waingawa Stream Greenway				$903,280
Norman Avenue Greenway				
Landscaping/Planting	29600	m^2	$22.50	$666,000
Land Purchase	29600	m^2	$5.00	$148,000
Total Norman Avenue Greenway				$814,000
Green Buffer (10 metres wide)				
Landscaping/Planting	32200	m^2	$8.00	$257,600
Land Purchase	0	m^2		$0
Total Green Buffer				$257,600
Wiltons Road Buffer (30 metres wide)				
Shelter Belt	1390	m	$15.00	$20,850
Landscaping/Planting	41700	m^2	$8.00	$333,600
Land Purchase	0	m^2		$0
Total Wiltons Road Greenway				$354,450

	Quantity	Unit		Cost
Schedule 2 Roading				
Dual Lane Norfolk Road (720 metres)				
Subase construction	1512	m^3	$55.00	$83,160
Basecourse construction	1008	m^3	$80.00	$80,640
Chip seal	5040	m^2	$7.00	$35,280
Norfolk Road / Waingawa Road Roundabout				$750,000
Contingencies				$94,908
Design and Supervision	10%		$949,080.00	$94,908
				$1,138,896
Land Purchase	7200	m^2	$5.00	$36,000
Total Dual Lane Norfolk Road				$1,174,896
Schedule 2A				
SH2/ Norfolk Road Roundabout	50% contibution	$1,929,010		$964,505
Schedule 3 - Water				
200mm Rising main to site	2100	m^2	$142.86	$300,000
Reservoir Purchase Price				$300,000
Cleaning	1130	m^2	$5.00	$5,650
Pumpstation and bulk flow water meter				$220,000
				$825,650
Contingency	20%			$165,130
Design and Supervision	10%			$82,565
Total Water				$1,073,345

	Quantity	Unit		Cost
Schedule 4 - Wastewater				
Pumpstation 1				
Pumpstation				$150,000
Retention Storage	300	m^3	$670.00	$201,000
150mm Rising Main	350	metres	$105.43	$36,900
				$387,900
Contingency	20%			$77,580
Design and Supervision	10%			$38,790
Total Wastewater Pumpstation 1				$504,270
Pumpstation 2				
Pumpstation				$200,000
Retention Storage	375	m^3	$670.00	$251,250
150mm Rising Main	350	metres	$105.43	$36,900
				$488,150
Contingency	20%			$97,630
Design and Supervision	10%			$48,815
Total Wastewater Pumpstation 2				$634,595
Pumpstation 3				
Pumpstation				$280,000
Retention Storage	575	m^3	$670.00	$385,250
150mm Rising Main	75	metres	$162.00	$12,150
				$677,400
Contingency	20%			$135,480
Design and Supervision	10%			$67,740
Total Wastewater Pumpstation 3				$880,620
Pumpstation 4				
Pumpstation				$25,000
Retention Storage	115	m^3	$670.00	$77,050
150mm Rising Main	300	metres	$108.00	$32,400
				$134,450
Contingency	20%			$26,890
Design and Supervision	10%			$13,445
Total Wastewater Pumpstation 4				$174,785
Pumpstation 6				
Pumpstation				$75,000
Retention Storage	2750	m^3	$670.00	$1,842,500

	Quantity	Unit		Cost
150mm Rising Main	600	metres	$99.00	$59,400
				$1,976,900
Contingency	20%			$395,380
Design and Supervision	10%			$197,690
Total Wastewater Pumpstation 6				$2,569,970
Pumpstation 7				
Pumpstation				$25,000
Retention Storage	115	m^3	$670.00	$77,050
150mm Rising Main	400	metres	$103.50	$41,400
				$143,450
Contingency	20%			$28,690
Design and Supervision	10%			$14,345
Total Wastewater Pumpstation 7				$186,485
Falling Main from Site				
Bulk flow meter				$20,000
150mm Falling Main	1750	metres	$93.09	$162,900
Manholes	18		$2,400.00	$43,200
				$226,100
Contingency	20%			$45,220
Design and Supervision	10%			$22,610
Total Wastewater Falling Main from Site				$293,930