

Appendix I – Cost Estimates



MILL ROAD STRUCTURE PLAN - ROADING COSTS

Summary of indicative costings (Revised Staging Plan 07/05/18)

(Note: No allowance for costs related to the HP gasmain or services installation)

18/05/2018

NZS 4404:2010 Table 3.2, E17 (Local 2,000vpd max.) & E18 (Collector/connector 8,000vpd max.)

COSTS BY HIERARCHY		Length	Description			
		5945m				
Collector - Mill Road	335	23m road reserve, 12.6m carriageway	\$	617,766.00	\$	1,845.00 Indicative Cost per m
Connector - Stages 3, 4 & 5	1115	23m road reserve, 12.6m carriageway	\$	2,159,759.00	\$	1,938.00 Indicative Cost per m
Connector - Stage 4 South Bdy (incl shared path)	640	20m road reserve, 11m carriageway	\$	1,213,719.00	\$	1,837.00 Indicative Cost per m
Local Industrial - Stages 3, 4, 5, 6 & 7	3285	18m road reserve, 12.6m carriageway	\$	5,542,247.00	\$	1,688.00 Indicative Cost per m
Local Industrial - Stage 3 & 5 South Bdy (incl shared path)	570	20m road reserve, 11m carriageway	\$	1,192,781.00	\$	1,978.00 Indicative Cost per m
Total indicative hierarchy costings			\$ 10,726,272.00			
excluding GST, includes 10% contingency						
Shared Path Cost (3m width)		1750	\$336,875.00			

COSTS BY STAGE	Length 5945m	Description	
STAGES 1 & 2	335	Collector, Mill Road upgrading	\$ 617,766.00
STAGE 3	1205	Connector & local roads (incl shared path)	\$ 2,262,233.00
STAGE 4	1500	Connector & local roads (incl shared path)	\$ 2,717,129.00
STAGE 5	2100	Connector & local roads (incl shared path)	\$ 3,770,997.00
STAGE 6	400	Local roads only	\$ 674,855.00
STAGE 7	405	Local roads only	\$ 683,291.00
Total indicative Stage costings			\$ 10,726,271.00

excluding GST, includes 10% contingency

Schedule of Quantities

WDC - Mill Road Structure Plan

Water Supply



Prepared By

C. Anderson

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Zone Meter	each	2	\$ 25,000	\$ 50,000
Resolve Model Anomaly	LS	1	\$ 50,000	\$ 50,000
SUBTOTAL: Fully Funded by DCs				\$ 100,000
Part portion based on wider community benefit				
225 mm Main From Mill Road Stub to Mosston Road	m	585	\$ 0*	\$ -
225 mm Connection Mosston to Fitzherbert main - no rider main	m	185	\$ 0*	\$ -
SUBTOTAL: Part Funded				\$ -
Reticulation installed by developer				
200 mm Retic mains	m	5550	\$ 285	\$ 1,581,750
50 mm Rider mains	m	4100	\$ 155	\$ 635,500
SUBTOTAL: Developer funded reticulation				\$ 2,217,250

* Full nominal rate for 225 mm main is \$285/m. 0% of this rate to be charged to development for the following reasons:

- 1) This main would be installed regardless of development as it is designed to offer resilience to the wider network. The bulk of this main is already allowed for in the LTP.
- 2) The main is not required to meet level of service requirements in this area- Existing network is likely to be sufficient without further upgrades

WDC - Mill Road Industrial

Prepared By

AR. Baugham

Stormwater

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Part portion with Springvale Structure Plan				
Mosston Road 1350 Main (Titoki Street to outfall)	m	850	\$ 810*	\$ 688,500
SUBTOTAL: Part Funded				\$ 688,500
Fully Funded By DCs (TBC)				
Mosston Road (Mill Road to Titoki Street)				
1350 mm SW main	m	330	\$ 1,500	\$ 495,000
Mill Road SW Main				
SUBTOTAL				\$ 1,443,310
Manuka Street SW Main (North of Mill Road)				
SUBTOTAL				\$ 523,140
Northern Drain (East of Manuka Street) - 456 m long				
SUBTOTAL				\$ 138,694
Manuka Street Overland Flow Path (North of Mill Road)				
SUBTOTAL				\$ 19,431
Mill Road to Mosston Road Drain - 350 m long				
SUBTOTAL				\$ 27,500
Manuka Street SW Main (South of Mill Road)				
SUBTOTAL				\$ 381,600
Southern Drain (East of Manuka Street) - 868 m long				
SUBTOTAL				\$ 574,480
Northern Drain (West of Manuka Street) - 306 m long				
SUBTOTAL				\$ 87,031
Manuka Street Overland Flow Path (South of Mill Road)				
SUBTOTAL				\$ 11,083
Mill Road Storage - 47,918 m ³ storage				
SUBTOTAL				\$ 1,609,500
Mill Rd Storage Outlet				
SUBTOTAL				\$ 39,000
Mill Road Overland Flow Path				
SUBTOTAL				\$ 36,226
Southern Drain (West of Manuka) - 1,020 m long				
SUBTOTAL				\$ 909,500
Manuka Street Culvert (3.0m Wide x 1.3m High box culvert)	each	1	\$ 405,000	\$ 405,000
SUBTOTAL: Fully Funded by DCs				\$ 6,700,495
Infrastructure installed by developer				
450 mm SW main	m	725	\$ 480	\$ 348,000
600 mm SW main	m	630	\$ 650	\$ 409,500
750 mm SW main	m	880	\$ 725	\$ 638,000
900 mm SW main	m	515	\$ 830	\$ 427,450
1050 mm SW main	m	1150	\$ 1,175	\$ 1,351,250
1200 mm SW main	m	295	\$ 1,300	\$ 383,500
1350 mm SW main	m	110	\$ 1,500	\$ 165,000
SUBTOTAL: Developer Funded Infrastructure				\$ 3,722,700

* Full nominal rate for 1350 mm main is \$1450/m. 60% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on peak flows (2.2 m³/s vs 1.4 m³/s)

WDC - Mill Road Structure Plan (Light Industry)

Prepared By

AR. Baugham

Wastewater



DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Option 3: Tregenna Pump Station Upgrade and New Rising Main				
Increase Tregenna Pump Station Capacity from 122 l/s to 157 l/s	LS	1	\$ 50,000	\$ 50,000
New 375 mm rising main	m	3810	\$ 159*	\$ 606,743
Upgrade to 300 mm pipe	m	245	\$ 423	\$ 103,635
Insert bung at WWM00314 (close flow split)	LS	1	\$ -	\$ -
OPTION 3 SUBTOTAL: Fully Funded by DCs				\$ 760,378
Infrastructure installed by developer				
Commission Pump Station	LS	1	\$ 50,000	\$ 50,000
New pump station with 8 L/s capacity	LS	1	\$ 160,000	\$ 160,000
New pump station with 12 L/s capacity	LS	1	\$ 180,000	\$ 180,000
New 150 mm rising main	m	595	\$ 260	\$ 154,700
New 150 mm gravity mains	m	4745	\$ 300	\$ 1,423,500
New 225 mm gravity mains	m	415	\$ 360	\$ 149,400
SUBTOTAL: Developer Funded Infrastructure				\$ 2,117,600
<p>* Full nominal rate for 375 mm rising main is \$455/m. 35% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on increase in pump station capacity (122 l/s vs 157 l/s from 52 l/s).</p>				

WDC - Mill Road Structure Plan (Medium Industry)

Wastewater



Prepared By

AR. Baugham

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Option 3: Tregenna Pump Station Upgrade and New Rising Main				
Increase Tregenna Pump Station Capacity from 122 l/s to 187 l/s	LS	1	\$ 100,000	\$ 100,000
New 375 mm rising main	m	3810	\$ 228*	\$ 866,775
Upgrade to 300 mm pipe	m	480	\$ 423	\$ 203,040
Upgrade to 375 mm pipe	m	195	\$ 455	\$ 88,725
OPTION 3 SUBTOTAL: Fully Funded by DCs				\$ 1,258,540
Infrastructure installed by developer				
Commission Pump Station	LS	1	\$ 50,000	\$ 50,000
New pump station with 14 L/s capacity	LS	1	\$ 180,000	\$ 180,000
New pump station with 20 L/s capacity	LS	1	\$ 200,000	\$ 200,000
New 150 mm rising main	m	595	\$ 260	\$ 154,700
New 150 mm gravity mains	m	4415	\$ 300	\$ 1,324,500
New 225 mm gravity mains	m	745	\$ 360	\$ 268,200
SUBTOTAL: Developer Funded Infrastructure				\$ 2,177,400

* Full nominal rate for 375 mm rising main is \$455/m. 50% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on increase in pump station capacity (122 l/s vs 187 l/s from 52 l/s).

Schedule of Quantities

WDC - Mill Road Structure Plan

Water Supply



Prepared By

C. Anderson

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Mill Road Stage 1 W Works				
Zone Meter	each	2	\$ 25,000	\$ 50,000
Resolve Model Anomaly	LS	1	\$ 50,000	\$ 50,000
SUBTOTAL: Fully Funded by DCs				\$ 100,000
Part portion based on wider community benefit				
225 mm Main From Mill Road Stub to Mosston Road	m	585	\$ 0*	\$ -
225 mm Connection Mosston to Fitzherbert main - no rider main	m	185	\$ 0*	\$ -
SUBTOTAL: Part Funded				\$ -
Reticulation installed by developer				
Mill Road Stage 1 W Works				
200 mm Retic mains	m	0	\$ 285	\$ -
50 mm Rider mains	m	0	\$ 155	\$ -
SUBTOTAL: Stage 1				\$ -
Mill Road Stage 2 W Works				
200 mm Retic mains	m	0	\$ 285	\$ -
50 mm Rider mains	m	0	\$ 155	\$ -
SUBTOTAL: Stage 2				\$ -
Mill Road Stage 3 W Works				
200 mm Retic mains	m	2345	\$ 285	\$ 668,325
50 mm Rider mains	m	1070	\$ 155	\$ 165,850
SUBTOTAL: Stage 3				\$ 834,175
Mill Road Stage 4 W Works				
200 mm Retic mains	m	835	\$ 285	\$ 237,975
50 mm Rider mains	m	1430	\$ 155	\$ 221,650
SUBTOTAL: Stage 4				\$ 459,625
Mill Road Stage 5 W Works				
200 mm Retic mains	m	1625	\$ 285	\$ 463,125
50 mm Rider mains	m	970	\$ 155	\$ 150,350
SUBTOTAL: Stage 5				\$ 613,475
Mill Road Stage 6 W Works				
200 mm Retic mains	m	305	\$ 285	\$ 86,925
50 mm Rider mains	m	370	\$ 155	\$ 57,350
SUBTOTAL: Stage 6				\$ 144,275
Mill Road Stage 7 W Works				
200 mm Retic mains	m	440	\$ 285	\$ 125,400
50 mm Rider mains	m	260	\$ 155	\$ 40,300
SUBTOTAL: Stage 7				\$ 165,700
SUBTOTAL: Developer funded reticulation				\$ 2,217,250

* Full nominal rate for 225 mm main is \$285/m. 0% of this rate to be charged to development for the following reasons:

- 1) This main would be installed regardless of development as it is designed to offer resilience to the wider network. The bulk of this main is already allowed for in the LTP.
- 2) The main is not required to meet level of service requirements in this area- Existing network is likely to be sufficient without further upgrades

WDC - Mill Road Industrial

Prepared By

AR. Baugham

Stormwater



DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Part portion with Springvale Structure Plan				
Mosston Road 1350 Main (Titoki Street to outfall)	m	850	\$ 810*	\$ 688,500
SUBTOTAL: Part Funded				\$ 688,500
Fully Funded By DCs (TBC)				
Mill Road Stage 1 SW Works				
Mosston Road (Mill Road to Titoki Street)				
1350 mm SW main	m	330	\$ 1,500	\$ 495,000
Mill Road SW Main				
300 mm SW main	m	30	\$ 750	\$ 22,500
1050 mm SW main	m	19	\$ 1,200	\$ 23,160
1200 mm SW main	m	343	\$ 1,350	\$ 463,050
1350 mm SW main	m	103	\$ 1,500	\$ 154,500
1600 mm SW main	m	334	\$ 1,650	\$ 551,100
1050 mm SW manhole (1m deep)	each	1	\$ 8,500	\$ 8,500
1650 mm SW manhole (2-2.9m deep)	each	1	\$ 12,500	\$ 12,500
2050 mm SW manhole (2.1-3.7m deep)	each	3	\$ 16,500	\$ 49,500
2300 mm SW manhole (3.7m deep)	each	1	\$ 17,000	\$ 17,000
2550 mm SW manhole (2.6-3.1m deep)	each	4	\$ 18,500	\$ 74,000
Outfall to pond	each	1	\$ 15,000	\$ 15,000
Catchpits	each	10	\$ 5,250	\$ 52,500
Manuka Street SW Main (North of Mill Road)				
525 mm SW main	m	111	\$ 850	\$ 94,350
1050 mm SW main	m	282	\$ 1,200	\$ 338,040
1650 mm SW manhole (2-2.9m deep)	each	3	\$ 12,500	\$ 37,500
2050 mm SW manhole (2.1-3.7m deep)	each	1	\$ 16,500	\$ 16,500
Catchpits	each	7	\$ 5,250	\$ 36,750
Northern Drain (East of Manuka Street) - 456 m long				
Earthworks excavation	m ³	1021	\$ 15.0	\$ 15,314
Earthworks placement	m ³	1524	\$ 10.0	\$ 15,236
Erosion protection	m ²	1807	\$ 45.0	\$ 81,299
Reinstatement/topsoil	m ²	892	\$ 20.0	\$ 17,845
Scruffy dome	each	1	\$ 9,000.0	\$ 9,000
Manuka Street Overland Flow Path (North of Mill Road)				
Earthworks excavation	m ³	1033	\$ 15.0	\$ 15,491
Disposal on-site	m ³	788	\$ 5.0	\$ 3,941
SUBTOTAL: Stage 1				\$ 2,619,575
Mill Road Stage 2 SW Works				
Mill Road to Mosston Road Drain - 350 m long				
Earthworks	m ³	1100	\$ 20.0	\$ 22,000
Topsoil and seed	m ²	1100	\$ 5.0	\$ 5,500
SUBTOTAL: Stage 2				\$ 27,500

Mill Road Stage 3 SW Works				
Manuka Street SW Main (South of Mill Road)				
450 mm SW main	m	93	\$ 900	\$ 83,700
750 mm SW main	m	176	\$ 1,150	\$ 202,400
1050 mm SW manhole (1.7m deep)	each	1	\$ 8,500	\$ 8,500
1500 mm SW manhole (1.6-2.2 m deep)	each	3	\$ 10,000	\$ 30,000
Pre-cast concrete headwall (2.0 m high x 2.0 m wide)	each	1	\$ 15,000	\$ 15,000
Catchpits	each	8	\$ 5,250	\$ 42,000
Southern Drain (East of Manuka Street) - 868 m long				
Earthworks	m ³	10014	\$ 20.0	\$ 200,280
Erosion protection	m ²	7236	\$ 45.0	\$ 325,620
Reinstatement/topsoil	m ²	2429	\$ 20.0	\$ 48,580
Northern Drain (West of Manuka Street) - 306 m long				
Earthworks excavation	m ³	685	\$ 15.0	\$ 10,276
Earthworks placement	m ³	1022	\$ 10.0	\$ 10,224
Erosion protection	m ²	1212	\$ 45.0	\$ 54,556
Reinstatement/topsoil	m ²	599	\$ 20.0	\$ 11,975
Manuka Street Overland Flow Path (South of Mill Road)				
Earthworks excavation	m ³	589	\$ 15.0	\$ 8,835
Disposal on-site	m ³	450	\$ 5.0	\$ 2,248
Mill Road Storage - 47,918 m ³ storage				
Earthworks	m ³	73100	\$ 20.0	\$ 1,462,000
Erosion protection	m ²	500	\$ 45.0	\$ 22,500
Topsoil and seed	m ²	25000	\$ 5.0	\$ 125,000
Mill Rd Storage Outlet				
1050 mm SW main	m	20	\$ 1,200.0	\$ 24,000
Pre-cast concrete headwall (2.0 m high x 2.0 m wide)	each	1	\$ 15,000.0	\$ 15,000
SUBTOTAL: Stage 3				\$ 2,702,694
Mill Road Stage 4 SW Works				
Mill Road Overland Flow Path				
Earthworks excavation	m ³	1925	\$ 15.0	\$ 28,879
Disposal on-site	m ³	1469	\$ 5.0	\$ 7,347
SUBTOTAL: Stage 4				\$ 36,226
Mill Road Stage 5 SW Works				
Southern Drain (West of Manuka) - 1,020 m long				
Earthworks	m ³	10700	\$ 20.0	\$ 214,000
Erosion protection	m ²	10700	\$ 45.0	\$ 481,500
Reinstatement/topsoil	m ²	10700	\$ 20.0	\$ 214,000
Manuka Street Culvert (3.0m Wide x 1.3m High box culvert)	each	1	\$ 405,000	\$ 405,000
SUBTOTAL: Stage 5				\$ 1,314,500
Mill Road Stage 6 SW Works				
SUBTOTAL: Stage 6				\$ -
Mill Road Stage 7 SW Works				
SUBTOTAL: Stage 7				\$ -
SUBTOTAL: Fully Funded by DCs				\$ 6,700,495
Infrastructure installed by developer				
Mill Road Stage 1 SW Works				
SUBTOTAL: Stage 1				\$ -
Mill Road Stage 2 SW Works				

SUBTOTAL: Stage 2				\$ -
Mill Road Stage 3 SW Works				
450 mm SW main	m	335	\$ 480	\$ 160,800
600 mm SW main	m	0	\$ 650	\$ -
750 mm SW main	m	140	\$ 725	\$ 101,500
900 mm SW main	m	0	\$ 830	\$ -
1050 mm SW main	m	415	\$ 1,175	\$ 487,625
1200 mm SW main	m	90	\$ 1,300	\$ 117,000
1350 mm SW main	m	110	\$ 1,500	\$ 165,000
SUBTOTAL: Stage 3				\$ 1,031,925
Mill Road Stage 4 SW Works				
450 mm SW main	m	85	\$ 480	\$ 40,800
600 mm SW main	m	250	\$ 650	\$ 162,500
750 mm SW main	m	350	\$ 725	\$ 253,750
900 mm SW main	m	115	\$ 830	\$ 95,450
1050 mm SW main	m	420	\$ 1,175	\$ 493,500
1200 mm SW main	m	0	\$ 1,300	\$ -
1350 mm SW main	m	0	\$ 1,500	\$ -
SUBTOTAL: Stage 4				\$ 1,046,000
Mill Road Stage 5 SW Works				
450 mm SW main	m	200	\$ 480	\$ 96,000
600 mm SW main	m	175	\$ 650	\$ 113,750
750 mm SW main	m	135	\$ 725	\$ 97,875
900 mm SW main	m	210	\$ 830	\$ 174,300
1050 mm SW main	m	190	\$ 1,175	\$ 223,250
1200 mm SW main	m	205	\$ 1,300	\$ 266,500
1350 mm SW main	m	0	\$ 1,500	\$ -
SUBTOTAL: Stage 5				\$ 971,675
Mill Road Stage 6 SW Works				
450 mm SW main	m	0	\$ 480	\$ -
600 mm SW main	m	0	\$ 650	\$ -
750 mm SW main	m	110	\$ 725	\$ 79,750
900 mm SW main	m	190	\$ 830	\$ 157,700
1050 mm SW main	m	125	\$ 1,175	\$ 146,875
1200 mm SW main	m	0	\$ 1,300	\$ -
1350 mm SW main	m	0	\$ 1,500	\$ -
SUBTOTAL: Stage 6				\$ 384,325
Mill Road Stage 7 SW Works				
450 mm SW main	m	105	\$ 480	\$ 50,400
600 mm SW main	m	205	\$ 650	\$ 133,250
750 mm SW main	m	145	\$ 725	\$ 105,125
900 mm SW main	m	0	\$ 830	\$ -
1050 mm SW main	m	0	\$ 1,175	\$ -
1200 mm SW main	m	0	\$ 1,300	\$ -
1350 mm SW main	m	0	\$ 1,500	\$ -
SUBTOTAL: Stage 7				\$ 288,775
SUBTOTAL: Developer Funded Infrastructure				\$ 3,722,700
<p>* Full nominal rate for 1350 mm main is \$1450/m. 60% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on peak flows (2.2 m³/s vs 1.4 m³/s)</p>				

WDC - Mill Road Structure Plan (Light Industry)

Prepared By

AR. Baugham

Wastewater



DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Option 3: Tregenna Pump Station Upgrade and New Rising Main				
Increase Tregenna Pump Station Capacity from 122 l/s to 157 l/s	LS	1	\$ 50,000	\$ 50,000
New 375 mm rising main	m	3810	\$ 159*	\$ 606,743
Upgrade to 300 mm pipe	m	245	\$ 423	\$ 103,635
Insert bung at WWM00314 (close flow split)	LS	1	\$ -	\$ -
OPTION 3 SUBTOTAL: Fully Funded by DCs				760,378
Infrastructure installed by developer**				
Mill Road Stage 1 WW Works				
SUBTOTAL: Stage 1				\$ -
Mill Road Stage 2 WW Works				
Commission Pump Station	LS	1	\$ 50,000	\$ 50,000
New 150 mm gravity mains	m	170	\$ 300	\$ 51,000
SUBTOTAL: Stage 2				\$ 101,000
Mill Road Stage 3 WW Works				
New 150 mm gravity mains	m	1050	\$ 300	\$ 315,000
New 225 mm gravity mains	m	290	\$ 360	\$ 104,400
SUBTOTAL: Stage 3				\$ 419,400
Mill Road Stage 4 WW Works				
New pump station with 8 L/s capacity	LS	1	\$ 160,000	\$ 160,000
New 150 mm rising main	m	570	\$ 260	\$ 148,200
New 150 mm gravity mains	m	1405	\$ 300	\$ 421,500
SUBTOTAL: Stage 4				\$ 729,700
Mill Road Stage 5 WW Works				
New pump station with 12 L/s capacity	LS	1	\$ 180,000	\$ 180,000
New 150 mm rising main	m	25	\$ 260	\$ 6,500
New 150 mm gravity mains	m	1270	\$ 300	\$ 381,000
New 225 mm gravity mains	m	125	\$ 360	\$ 45,000
SUBTOTAL: Stage 5				\$ 612,500
Mill Road Stage 6 WW Works				
New 150 mm gravity mains	m	415	\$ 300	\$ 124,500
SUBTOTAL: Stage 6				\$ 124,500
Mill Road Stage 7 WW Works				
New 150 mm gravity mains	m	435	\$ 300	\$ 130,500
SUBTOTAL: Stage 7				\$ 130,500
SUBTOTAL: Developer Funded Infrastructure				2,117,600

** Full nominal rate for 375 mm rising main is \$455/m. 35% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on increase in pump station capacity (122 l/s vs 157 l/s from 52 l/s).

WDC - Mill Road Structure Plan (Medium Industry)

Wastewater



Prepared By

AR. Baugham

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Fully Funded By DCs (TBC)				
Option 3: Tregenna Pump Station Upgrade and New Rising Main				
Increase Tregenna Pump Station Capacity from 122 l/s to 187 l/s	LS	1	\$ 100,000	\$ 100,000
New 375 mm rising main	m	3810	\$ 228*	\$ 866,775
Upgrade to 300 mm pipe	m	480	\$ 423	\$ 203,040
Upgrade to 375 mm pipe	m	195	\$ 455	\$ 88,725
OPTION 3 SUBTOTAL: Fully Funded by DCs				1,258,540
Infrastructure installed by developer				
Mill Road Stage 1 WW Works				
SUBTOTAL: Stage 1				\$ -
Mill Road Stage 2 WW Works				
Commission Pump Station	LS	1	\$ 50,000	\$ 50,000
New 150 mm gravity mains	m	170	\$ 300	\$ 51,000
SUBTOTAL: Stage 2				\$ 101,000
Mill Road Stage 3 WW Works				
New 150 mm gravity mains	m	1050	\$ 300	\$ 315,000
New 225 mm gravity mains	m	290	\$ 360	\$ 104,400
SUBTOTAL: Stage 3				\$ 419,400
Mill Road Stage 4 WW Works				
New pump station with 14 L/s capacity	LS	1	\$ 180,000	\$ 180,000
New 150 mm rising main	m	570	\$ 260	\$ 148,200
New 150 mm gravity mains	m	1405	\$ 300	\$ 421,500
SUBTOTAL: Stage 4				\$ 749,700
Mill Road Stage 5 WW Works				
New pump station with 20 L/s capacity	LS	1	\$ 200,000	\$ 200,000
New 150 mm rising main	m	25	\$ 260	\$ 6,500
New 150 mm gravity mains	m	940	\$ 300	\$ 282,000
New 225 mm gravity mains	m	455	\$ 360	\$ 163,800
SUBTOTAL: Stage 5				\$ 652,300
Mill Road Stage 6 WW Works				
New 150 mm gravity mains	m	415	\$ 300	\$ 124,500
SUBTOTAL: Stage 6				\$ 124,500
Mill Road Stage 7 WW Works				
New 150 mm gravity mains	m	435	\$ 300	\$ 130,500
SUBTOTAL: Stage 7				\$ 130,500
SUBTOTAL: Developer Funded Infrastructure				2,177,400

* Full nominal rate for 375 mm rising main is \$455/m. 50% of this rate to be charged to Mill Road Industrial area, remainder to be charged to Springvale Development. Split calculated based on increase in pump station capacity (122 l/s vs 187 l/s from 52 l/s).

