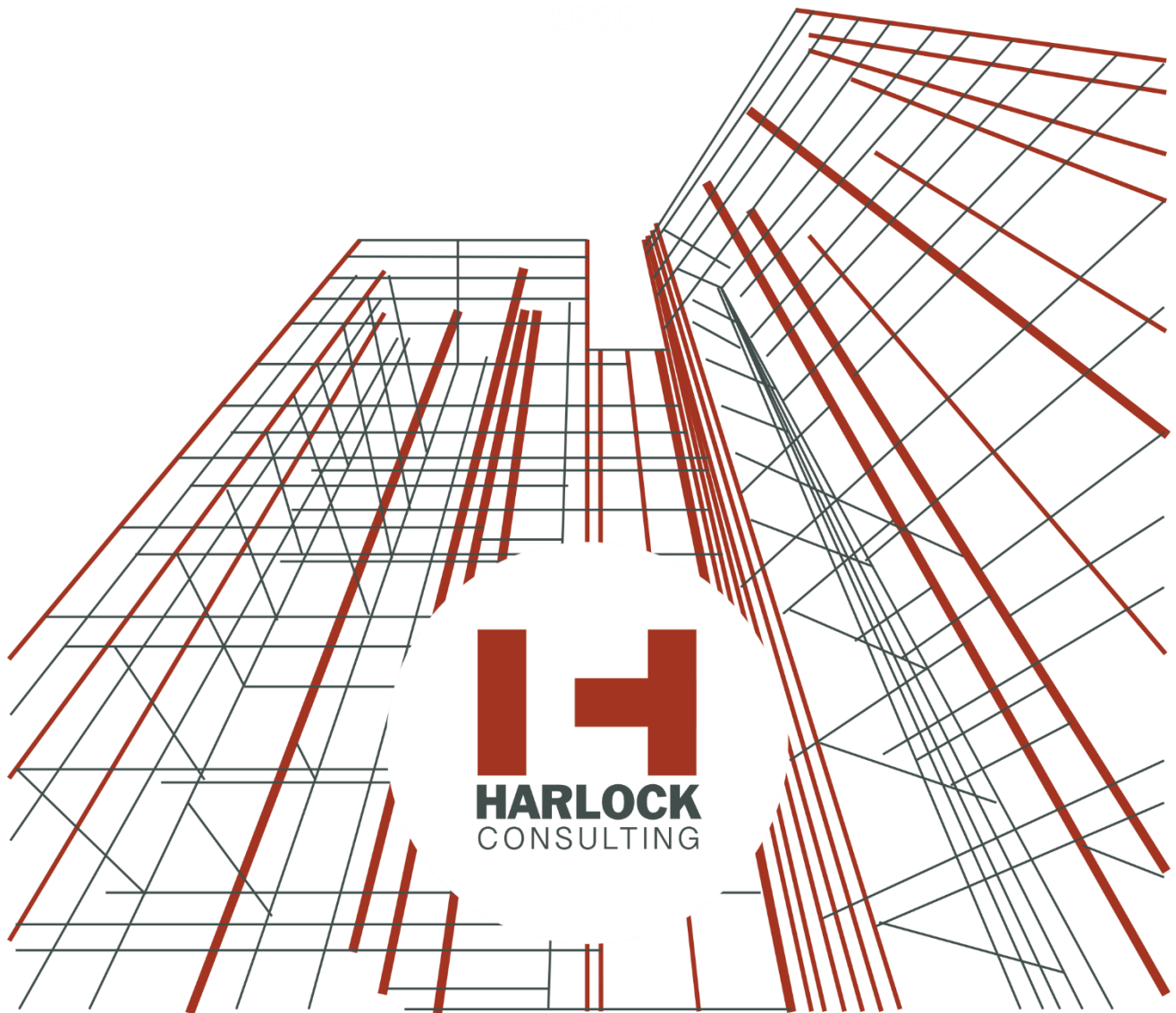




COST ESTIMATE

Project: Creswell Street Crib Point

Issued to: JCA Land Consultants

Date: 18th May 2023

Revision Number: 1

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1 Executive Summary

As requested, Harlock Consulting have prepared a cost estimate in relation to the proposed roadworks and associated services infrastructure to Creswell Street Crib Point as documented by JCA Land Consultants and subconsultants.

The estimate is inclusive of works to Glossop Street beyond the scope of the JCA Land Consultants documentation scope but subsequently requested to be included.

The estimated total project cost of the works is anticipated to be in the order of **\$4,720,000 (excluding GST)**

This estimate is inclusive of a 10% design and construction contingency allowance.

Various notes and exclusions are set out in Section 4 of this report.

2 Basis of Cost Plan

This Cost Plan has been prepared on the basis of the following information:

- Photographs of existing site
- Instructions from JCA Land Consultants
- Mark up of scope area
- JCA Land Consultants drawings
- Services drawings
- JCA Schedule of Quantities (adapted to suit increased scope)

3 Cost Plan

Refer to Appendix 1 for a full breakdown of the cost plan.

4 Notes & Exclusions

Please note that any allowance for the following have been excluded from the estimate:

- GST
- Professional fees including contract administration and supervision costs
- Cost escalation beyond May 2023
- Vegetation offsets, if applicable
- Adverse ground conditions
- Contamination

Note: Harlock Consulting has no control over, without limitation, cost of labour, cost of materials, cost of equipment, pricing methods used by third parties, availability of competitive bids, economic factors and specific market conditions. Accordingly, Harlock Consulting does not guarantee or warrant that actual costs will not vary from any estimates or forecasts

5 Tendering & Market Assumptions

It is assumed that the works would be procured under a tradition lump sum tender methodology to several appropriately sized and qualified contractors and the estimate reflects the expected preliminaries level and trade pricing associated with this form of procurement.

The rates in this estimate are based on our opinion of current market prices. It is recommended that an allowance of 4% per annum (approx \$16,000 per month) is allowed for escalation up to construction commencement for budget purposes.

Appendix 1: Estimate

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	PART A - ROAD AND DRAINAGE (PRINCIPAL CONTRACT)								
	QUALITY SYSTEM								
	Plan, develop and maintain a documented Quality System specific to this project and in accordance with the contract specification.	0.22%			Item		10,000		10,000
	ENVIRONMENTAL MANAGEMENT PLAN								
	The contractor is to develop a project specific Environmental Management Plan (EMP) in the stipulated form as described in the Mornington Peninsula Shire Site Environmental Management Plan Kit & Section R of the specifications, to manage the environmental effects of the works.	0.22%			Item		10,000		10,000
	SITE PREPARATION/TRAFFIC CONTROL								
	Erection and maintenance of warning signs, lights and barriers and traffic control.	3.18%			Item		150,000		150,000
	Establishment of site facilities including accommodation and toilets,	2.12%			Item		100,000		100,000
	REMOVAL OF TREES								
	Supply all materials, plant and labour to fell, grub and remove from site individual trees as indicated on plans.								
	Trees 500mm dia. and above.	0.72%		42	No	800.00	33,600		33,600
	DEMOLITION								
	Supply all plant, labour and materials to break out and remove from site, the following:								
	Concrete Kerb	0.01%		10	m	30.00	300		300
	Drainage Pipes	0.08%		74	m	50.00	3,700		3,700
	Drainage Pits	0.01%		1	No	300.00	300		300
	Headwalls	0.01%		1	No	150.00	150		150

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Concrete Vehicle Crossing	0.16%		180	m2	40.00	7,200		7,200
	EARTHWORKS								
	Earthworks including excavation, filling, forming, trimming and compaction of subgrade, removal and disposal of excess spoil, grading and blending of nature strips to match surroundings, including stockpiling of topsoil, all as specified.								
	Cut	1.86%		3,898	m3	22.50	87,714		87,714
	Fill	1.14%		1,949	m3	27.50	53,603		53,603
	Dispose	1.55%		1,949	m3	37.50	73,095		73,095
	<i>Note that earthworks volumes assume cut from road reserve can be reused in nature strip fills. All volumes are solid.</i>								
	FLEXIBLE ROAD PAVEMENT								
	Construction of flexible road pavement including supply of all materials, plant and labour, all as specified.								
	Preparation of Subgrade								
	Final trim, moisture condition and compact existing subgrade materials, as found , to a minimum depth of 150mm.	0.42%		5,606	m2	3.50	19,621		19,621
	Sub-base Course								
	250mm compacted depth of 20mm fine crushed rock (Class 3), including section under kerb and channel (compacted in 2 125mm thick layers).	4.76%		5,606	m2	40.00	224,240		224,240
	Base Course								
	150mm compacted depth of 20mm fine crushed rock (Class 2), including preparation for sealing.	2.97%		5,606	m2	25.00	140,150		140,150
	Primer Seal								
	Primer seal (SP1000 or equivalent) using 10mm basaltic aggregate, all as specified.	1.01%		5,606	m2	8.50	47,651		47,651

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Wearing Course								
	Asphalt wearing course. Supply all materials, plant and labour and lay 40mm compacted depth of 10mm basaltic asphalt type H, including the sealing of joints at junctions with existing adjacent asphalt or sprayed seals in accordance with clause M.17(a) of the specification.	3.39%		5,606	m2	28.50	159,771		159,771
	CONCRETE WORKS								
	Supply all materials, plant and labour and construct the following concrete works all to Mornington Peninsula Shire standard plans and specifications.								
	ROLLOVER KERB AND CHANNEL								
	Concrete rollover kerb and channel to Mornington Peninsula Shire standard MP101 including bedding, all as specified.	5.03%		2,261	m	105.00	237,405		237,405
	CONCRETE VEHICLE CROSSINGS								
	Reinforced concrete vehicle crossings 150mm thick as detailed to Mornington Peninsula Shire standard MP302 and MP303, including bedding , all as specified.	0.13%		30	m2	200.00	6,000		6,000
	DRAINAGE								
	SUBSOIL DRAINAGE (CORRUGATED)								
	Supply, deliver, excavate, bed, lay, joint and backfill with 20mm screenings 100mm dia. corrugated perforated (PVC) class 400 pipe to Mornington Peninsula Shire standard MP227, all as specified, at a depth as detailed	2.28%		2,261	m	47.50	107,398		107,398
	OPEN CHANNEL SWALE								
	Supply all plant, labour and materials to construct an open channel swale (approx CH160 - CH340), all as specified. Note that cut and fill volumes are allowed for in 'EARTHWORKS'.	0.13%		80	m	75.00	6,000		6,000
	DRAINAGE PIPES								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Supply, excavate, bed, lay, joint and backfill the following reinforced concrete drainage pipes:								
	DRAINAGE PIPES (F.C.R. Backfill)								
	Supply, excavate, bed, lay, joint and backfill with fine crushed rock as specified, the following reinforced concrete drainage pipes:								
	300mm dia. (class 2) rubber ring jointed.	0.92%		133	m	325.00	43,225		43,225
	375mm dia. (class 2) rubber ring jointed.	0.27%		29	m	425.00	12,325		12,325
	450mm dia. (class 2) rubber ring jointed.	0.09%		8	m	500.00	4,000		4,000
	600mm dia. (class 2) rubber ring jointed.	0.94%		68	m	650.00	44,200		44,200
	Double 675mm dia. (class 2) rubber ring jointed.	2.62%		103	m	1,200.00	123,600		123,600
	750mm dia. (class 2) rubber ring jointed.	5.31%		278	m	900.00	250,200		250,200
	Double 750mm dia. (class 2) rubber ring jointed.	6.24%		190	m	1,550.00	294,500		294,500
	DRAINAGE PIPES (Select Backfill)								
	Supply, excavate, bed, lay, joint and backfill the following reinforced concrete drainage pipes (includes the removal of fences):								
	225mm dia. (class 2) rubber ring jointed.	2.15%		520	m	195.00	101,400		101,400
	300mm dia. (class 2) rubber ring jointed.	1.60%		274	m	275.00	75,350		75,350
	Double 300mm dia. (class 2) rubber ring jointed.	1.81%		170	m	500.00	85,000		85,000
	375mm dia. (class 2) rubber ring jointed.	1.46%		196	m	350.00	68,600		68,600
	Double 375mm dia. (class 2) rubber ring jointed.	0.03%		3	m	350.00	1,050		1,050
	450mm dia. (class 2) rubber ring jointed.	2.48%		275	m	425.00	116,875		116,875
	600mm dia. (class 2) rubber ring jointed.	0.95%		81	m	550.00	44,550		44,550
	Double 675mm dia. (class 2) rubber ring jointed.	1.99%		85	m	1,100.00	93,500		93,500
	750mm dia. (class 2) rubber ring jointed.	2.68%		163	m	775.00	126,325		126,325
	Double 750mm dia. (class 2) rubber ring jointed.	4.87%		164	m	1,400.00	229,600		229,600

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	DRAINAGE PITS								
	Construct concrete drainage pits as shown on Mornington Peninsula Shire standard drawings including excavation, forming, supply and placing of concrete, stripping of forms, backfilling, supply and placing of lids, lintels, grates and step irons where required, all as specified.								
	SIDE ENTRY PITS - TYPE 2								
	Construct concrete side entry pits 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP203 including supply and placing of gratings where required.								
	Up to 1.5m deep. (Pits D03-01, D04-01, D05-01, D08-01, D11-01, D11-02, D12-01, D13-01, D14-01 and D19-01)	0.48%		10	No	2,250.00	22,500		22,500
	1.5 to 2.0m deep. (Pit D09-10)	0.06%		1	No	2,500.00	2,500		2,500
	Construct concrete side entry pits 900mm x 900mm (I.D.) to Mornington Peninsula Shire standard MP203 including supply and placing of gratings where required.								
	Up to 1.5m deep. (Pit D15-01)	0.05%		1	No	2,000.00	2,000		2,000
	HAUNCHED SIDE ENTRY PITS - TYPE 2								
	Construct concrete side entry pits 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP203 including supply and placing of gratings where required.								
	900mm x 900mm haunched to council standard MP213(Pits D15-01, D16-05, D16-06, D18-01, D18-02 and D18-03)	0.34%		6	No	2,650.00	15,900		15,900
	1050mm x 900mm haunched to D.o.T standard SD1023 (Pits D09-05, D09-06, D09-07 and D09-08)	0.24%		4	No	2,750.00	11,000		11,000

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	1050mm x 1050mm haunched to D.o.T standard SD1023 (Pits D01-09 and D01-10)	0.13%		2	No	2,850.00	5,700		5,700
	2400mm x 900mm haunched to D.o.T standard SD1023 (Pits D09-03 and D09-04)	0.17%		2	No	4,000.00	8,000		8,000
	GRATED PITS								
	Construct concrete grated pit 900mm x 450mm (I.D.) to Mornington Peninsula Shire standard MP216 including supply and placing of gratings, all as specified.								
	Up to 1.5m deep (Pits D16-07 and D16-08)	0.08%		2	No	1,850.00	3,700		3,700
	HAUNCHED GRATED PITS								
	Construct concrete grated pit 900mm x 450mm (I.D.) to Mornington Peninsula Shire standard MP216 including supply and placing of gratings, all as specified.								
	2400mm x 900mm haunched to D.o.T standard SD1022 (Pits D01-03, D01-05, D01-06, D01-07 and D01-08)	0.75%		5	No	7,000.00	35,000		35,000
	2400mm x 2400mm haunched to D.o.T standard SD1023 (Pit D01-04)	0.20%		1	No	9,000.00	9,000		9,000
	CATCH PITS								
	Construct concrete catch pit 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP215 with end entry.								
	1.5 to 2.0m deep. (Pit D20-01)	0.06%		1	No	2,500.00	2,500		2,500
	JUNCTION PITS								
	Construct concrete junction pit 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP211.								
	Up to 1.5m deep. (Pits D09-11 and D20-02)	0.08%		2	No	1,850.00	3,700		3,700
	HAUNCHED JUNCTION PITS								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Construct concrete junction pit 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP211.								
	1050mm x 900mm haunched to D.o.T standard SD1023 (Pit D16-03)	0.07%		1	No	3,000.00	3,000		3,000
	1200mm x 1050mm haunched to D.o.T standard SD1023 (Pit D16-02 and D16-04)	0.14%		2	No	3,250.00	6,500		6,500
	2400mm x 900mm haunched to D.o.T standard SD1023 (Pits D01-02 and D09-02)	0.26%		2	No	6,000.00	12,000		12,000
	GRADED JUNCTION PITS								
	Construct concrete junction pit 600mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP211 including grated pit lid								
	Up to 1.5m deep. (Pits D07-02, D07-03, D09-13, D10-02, D17-02, D18-06 and D18-07)	0.22%		7	No	1,450.00	10,150		10,150
	Construct concrete junction pit 900mm x 600mm (I.D.) to Mornington Peninsula Shire standard MP211 including grated pit lid								
	Up to 1.5m deep. (Pits D02-01, D02-02, D02-03, D02-04, D06-01, D06-02, D07-01, D09-12, D10-01, D15-02 and D17-01)	0.44%		11	No	1,850.00	20,350		20,350
	1.5 to 2.0m deep. (Pit D18-05)	0.06%		1	No	2,400.00	2,400		2,400
	Construct concrete junction pit 900mm x 900mm (I.D.) to Mornington Peninsula Shire standard MP211 including grated pit lid								
	1.5 to 2.0m deep. (Pit D18-04)	0.06%		1	No	2,750.00	2,750		2,750
	PRECAST CONCRETE ENDWALLS								
	Supply, bed and place precast concrete endwall to suit 750 dia. Pipe including shaping of outlet, rock beaching and timber barrier. (D16-01)	0.10%		1	No	4,500.00	4,500		4,500

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Supply, bed and place precast concrete endwall to suit 2 x 675 dia. Pipe including shaping of outlet, rock beaching and timber barrier. (D09-01)	0.12%		1	No	5,500.00	5,500		5,500
	Supply, bed and place precast concrete endwall to suit 2 x 750 dia. Pipe including shaping of outlet, rock beaching and timber barrier. (D01-01)	0.13%		1	No	6,000.00	6,000		6,000
	PROPERTY DRAINAGE								
	HOUSE DRAIN CONNECTIONS - NEW								
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pits, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP401, all as specified.	0.12%		7	No	750.00	5,250		5,250
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pipes, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP403, all as specified.	0.39%		24	No	750.00	18,000		18,000
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pipes, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP404, all as specified.	0.40%		25	No	750.00	18,750		18,750
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pits, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP408, all as specified.	0.07%		4	No	750.00	3,000		3,000

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council table drain with a Batter Outlet Type 1 to VicRoads standard SD1641	0.12%		7	No	750.00	5,250		5,250
	HOUSE DRAIN CONNECTIONS - NEW (OUTSIDE DCP)								
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pipes, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP404, all as specified.	0.45%		28	No	750.00	21,000		21,000
	Supply and fit necessary fittings to provide house drain outlets to vacant allotments from a point inside the property at the lowest corner of the allotment to council Drainage Pits, using 100mm dia. U.P.V.C. pipe and fittings to Mornington Peninsula Shire standard MP408, all as specified.	0.10%		6	No	750.00	4,500		4,500
	LANDSCAPING								
	PREPARATION OF NATURE STRIPS								
	Prepare nature strips and other disturbed areas with approved selected loam won from stockpile on site or imported, to a depth of 75mm, levelled, raked, fertilized and sown with an approved seed mixture, all as specified.	1.16%		6,250	m2	8.75	54,688		54,688
	FILL EXISTING OPEN SWALE DRAIN - COOMA STREET								
	Supply all plant, labour and materials to fill in the existing swale drain on the west side of Cooma Street between CH10 and CH90. Cut/Fill volumes are not included in 'EARTHWORKS'	0.11%		80	m	60.00	4,800		4,800
	REDIRECT EXISTING OPEN SWALE DRAIN - GLOSSIP STREET								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Supply all plant, labour and materials to redirect the existing swale drain on the east side of Glossip Street adjacent to No.5 into Pit D16/06 and D20/01. Cut/Fill volumes are not included in 'EARTHWORKS'	0.03%			Item		1,000		1,000
	MISCELLANEOUS								
	PERMANENT SURVEY MARKS								
	Supply and set standard permanent survey marks including cast iron covers with identification and surrounds as specified.	0.04%		2	No	750.00	1,500		1,500
	STREET SIGNS								
	Supply and place street signs as directed including supply and erect G.I. standard.	0.07%		6	No	500.00	3,000		3,000
	TRAFFIC CONTROL LINES								
	Mark out and paint, with approved long life road marking product, all traffic control lines detailed on the plans. (Beading to be applied to all line marking.)	0.08%			Item		3,500		3,500
	SERVICES								
	SERVICE CONDUITS								
	Supply, excavate, bed, lay, joint and backfill with F.C.R. 50mm dia. U.P.V.C. conduits (class 12) including capping at each end, draw strings, marking on kerb and channel and marker tape.								
	Gas	0.54%		374	m	67.50	25,245		25,245
	Water	0.17%		117	m	67.50	7,898		7,898
	MATERIALS TESTING								
	Supply test results, from a NATA accredited laboratory, to demonstrate compliance with the Mornington Peninsula Shire Specification.								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Compaction Test in accordance with AS1289.5.2.1 (Standard Compactive Effort, 6 lot test).	0.05%		3	No	650.00	1,950		1,950
	Compaction Test in accordance with AS1289.5.2.1 (Modified Compactive Effort, 6 lot test).	0.13%		9	No	650.00	5,850		5,850
	7,14,28 Day Compressive Strength in accordance with AS1012.9.	0.07%		6	No	500.00	3,000		3,000
	CCTV INSPECTION REPORT								
	Supply a CCTV inspection report for newly installed piped drainage in accordance with the WSAA 05-2020 (prior to laying the wearing course).	0.08%			Item		3,500		3,500
	AS CONSTRUCTED SURVEY - R&D								
	Contractor to supply an as constructed survey file of built road and drainage assets in accordance with Mornington Peninsula Shire requirements.	0.11%			Item		5,000		5,000
	PART B - WATER SUPPLY MAIN EXTENSION								
	WATER MAINS								
	Excavation, supply, bedding, laying and backfilling, of approved water main in accordance with MRWA Standards (MRWA - W - 201, MRWA - W - 202, MRWA - W - 203)								
	Earth Backfill								
	DN125 PE100	0.58%		246	m	110.00	27,060		27,060
	DN50 PE100	0.11%		57	m	85.00	4,845		4,845
	Bored								
	DN125 PE100	0.65%		61	m	500.00	30,500		30,500
	FITTINGS								
	Supply and placement of the following fittings:								
	100mm Hydrant direct (connecting to PE pipe)	0.28%		9	No	1,450.00	13,050		13,050
	100mm dia valve (connecting to PE pipe)	0.18%		5	No	1,650.00	8,250		8,250
	50mm flushout (connecting to PE pipe)	0.03%		1	No	1,000.00	1,000		1,000
	PROPERTY SERVICES								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Excavation, supply, bedding, laying and backfilling of water services including all fittings, valves, connection to reticulation main and cleaning up:								
	Off new main	0.28%		22	No	600.00	13,200		13,200
	Off existing main including tapping and fees	2.59%		47	No	2,600.00	122,200		122,200
	REMOVAL AND CONNECTION TO EXISTING MAIN								
	Remove existing washout and replace with hydrant Tee (convert to PE at hydrant flange)	0.06%		1	No	2,750.00	2,750		2,750
	Connect DN125 PE100 to Ex.DN100 PVC Pipe	0.17%		2	No	4,000.00	8,000		8,000
	WATER QUALITY TESTING								
	Water quality testing of mains by South East Water authorised contractor.								
	Swabbing and cleansing at mains	0.11%		2	No	2,500.00	5,000		5,000
	Pressure testing at mains	0.06%		1	No	2,500.00	2,500		2,500
	Testing under pressure (MRWA-W-106)	0.07%		1	No	3,000.00	3,000		3,000
	"AS CONSTRUCTED" SURVEY								
	Field pick-up of as constructed details by Accredited surveyor of Valves, Pipes, Hydrants, Fittings, Property Connection points, etc. and processing of data into digital format, completion of database and survey certification list all to Water Authority's requirements.	0.11%			Item		5,000		5,000
	<u>PART C - STREET LIGHTING UPGRADES</u>								
	Luminaire and Bracket	0.26%		16	No	750.00	12,000		12,000
	URD Pole - 7 metres	0.11%		2	No	2,500.00	5,000		5,000
	Conduit and Trenching/Bore	0.66%		154	m	200.00	30,800		30,800
	VESI Pits	0.04%		2	No	750.00	1,500		1,500
	PL Cable	0.22%		172	m	60.00	10,320		10,320
	FOLCB	0.10%		3	No	1,500.00	4,500		4,500

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Project Management / Auditing	0.11%			Item		5,000		5,000
	<u>PART D - NBN</u>								
	Conduit - P20	0.73%		1,048	m	32.50	34,060		34,060
	Conduit - P50	0.39%		459	m	40.00	18,360		18,360
	Conduit - P100	1.47%		1,202	m	57.50	69,115		69,115
	Service Drop Access Pit - 650 x 280 x 565	0.19%		17	No	500.00	8,500		8,500
	Network Boundary/Local Network Pit (single lid) 700 x 450 x 650	0.25%		18	No	650.00	11,700		11,700
	Distribution/Local Network Connection Pit (dual lid) 1360 x 555 x 650	0.03%		1	No	1,100.00	1,100		1,100
	Distribution/Local Network Connection Pit 1360 x 555 x 860	0.10%		4	No	1,100.00	4,400		4,400
	Project Management / Auditing	0.22%			Item		10,000		10,000
	<u>SUB-TOTAL</u>	<u>85.94%</u>							<u>4,056,238</u>
	<u>PART E - PROVISIONALS</u>								
	PROVISIONAL ITEMS								
	Note: All provisional items are inclusive of additional traffic management plans and all overheads associated with additional works. Contractor to be paid only for actual provisional sq.m., Cu.m, lin.m No. or Item placed. PI Items are only to be expedited as directed by the Superintendent and in accordance with Clause 11 of AS2124 General Conditions of Contract.								
	SERVICE MAIN RELOCATION ALLOWANCE								
	Coordination of the relocation of existing service mains to enable main drainage construction. Contractor to be paid actual cost plus 10% as evidenced by submission of authority invoice.	2.12%			Item		100,000		100,000
	STRUCTURAL FILL								

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	Supply all plant, labour and materials for the placement of structural fill. Structural fill will be required to fill the existing road formation to the underside of pavement (subgrade). Materials shall meet the requirements of VicRoads Type A. (Contractor to be paid only for volume of material actually placed.)	0.10%		50	m3	90.00	4,500		4,500
	SUBGRADE IMPROVEMENT (LOCALISED)- Crushed Rock								
	Supply all plant, labour and materials for the excavation and removal of unsuitable subgrade material and backfilling with 40mm crushed rock (class 3), compacted as specified. (Contractor to be paid only for volume of material actually replaced.)	0.93%		250	m3	175.00	43,750		43,750
	SUBGRADE STABILISATION (LARGE AREAS)								
	Stabilize 250mm depth of existing subgrade with 3% Lime and 2% cement as specified.								
	(Contractor to be paid only for area actually stabilised)	2.35%		5,536	m2	20.00	110,720		110,720
	DISPOSAL OF CONSTRUCTION AND DEMOLITION WASTE								
	Supply all plant, labour and materials to excavate, cart and dispose of the following contaminated materials:								
	Contaminated Soil - Category A	0.00%							Excluded
	Contaminated Soil - Category B	0.00%							Excluded
	Contaminated Soil - Category C	0.00%							Excluded
	Construction and Demolition Waste								
	<i>Note that the rate for disposal of Construction and Demolition Waste shall apply to materials existing and in place prior to construction commencing. The contractor shall allow for disposal of all Construction and Demolition Waste generated by the works.</i>								
	CONTINGENCY	8.60%		10	%				405,624
	Rounding	-0.01%							-831

Elemental Summary

Project: Creswell Street, Crib Point

Details: Estimate

Building: Creswell Street, Crib Point

Code	Description	%BC	Cost/m2	Quantity	Unit	Rate	Subtotal	Factor	Total
	<u>TOTAL</u>	<u>100.00</u> %							<u>4,720,000</u>
	COST PER LIN.M EXCLUDING PROVISIONALS AND CONTINGENCY			1,138	m	3,564			
	COST PER LIN.M INCLUDING PROVISIONALS AND CONTINGENCY			1,138	m	4,148			
	<u>Exclusions:</u>								
	GST								
	Professional fees including contract administration and supervision costs								
	Cost escalation beyond May 2023								
	Vegetation offsets, if applicable								
100.00%									4,720,001