

**SHIRE OF YARRA RANGES
ENGINEER'S ESTIMATE**

REFERENCE NO:	DATE:	3-Jul-25
PROJECT:	ARTHURS ROAD, CHUM CREEK SCS IMPROVEMENT WORKS	
TOTAL COSTS:	\$503,903.25	

Item	Description	Quantity	Unit	Rate	Amount
1	SITE PREPARATION/PRELIMINARIES				
1.1	Site establishment and clean up including all activities as required by the OHS Act 2004 and OH&S Regulations 2007 including preparation and implementation of Health and Safety Coordination Plan as well as supply and delivery of Project Sign. This item will include uncovering and proving existing alignment and depth of utility conduit prior to commencing works	1	Item	\$ 10,000.00	\$ 10,000.00
1.2	Preparation of Traffic Management Plan (TMP) and signage to Council satisfaction including implementation and maintenance during construction.	1	Item	\$ 25,000.00	\$ 25,000.00
1.3	Surveying/set-out for all works associated with the project.	1	Item	\$ 5,000.00	\$ 5,000.00
1.4	Allowance for Contractor to expose and prove services on-site as required and as indicated on drawings, prior to commencement of works.	1	Item	\$ 5,000.00	\$ 5,000.00
2	REMOVAL WORKS				
	Removal and disposal of existing material as indicated on plans.				
2.1	Remove and dispose of existing <300mm dia. drainage pipes in the road reserve, including vehicle crossing culverts	20	lin.m	\$ 100.00	\$ 2,000.00
3	EARTHWORKS				
	Excavation including stripping and stockpiling of topsoil, shaping and trimming to design levels, compaction of subgrade and filling, (including all compaction tests) and disposal of excess spoil, reinstatement of all disturbed areas, as specified:				
3.1	Cut to Dispose	40	m ³	\$ 50.00	\$ 2,000.00
4	ROAD PAVEMENT				
4.1	Asphalt Wearing Course - 50mm compacted depth, size 14mm stone, type H asphalt wearing course	1943	m ²	\$ 40.00	\$ 77,720.00
4.2	Upper Sub-base Course - 70mm compacted depth, size 20mm Class 2 Fine Crushed Rock	1943	m ²	\$ 25.00	\$ 48,575.00
4.3	Lower Sub-base Course - Regulation Compacted Depth, Size 20mm Class 3 Fine Crushed Rock	40	m ³	\$ 360.00	\$ 14,400.00
5	VEHICLE CROSSINGS				
5.1	Reinstate existing vehicle crossings with 20mm Class 3 Crushed Rock as required to match finished surface level.	674	m ²	\$ 20.00	\$ 13,480.00
5.2	Asphalt vehicle crossing - 50mm compacted depth, size 10mm stone, type H on 150mm crushed rock in accordance with Yarra Ranges Council Standard Drawing SD/C1	340	m ²	\$ 80.00	\$ 27,200.00
5.3	150mm depth 32MPa industrial concrete Vehicle Crossing on 50mm depth compacted Class 3 Crushed Rock, in accordance to Yarra Ranges Shire Council Standard Drawing SD/C2	36	m ²	\$ 150.00	\$ 5,400.00
6	DRAINAGE PIPES				

Item	Description	Quantity	Unit	Rate	Amount
1	SITE PREPARATION/PRELIMINARIES				
	Include supply, excavation, bedding, haunching and backfill with reference to Yarra Ranges Council Standard specification.				
	Earth backfill				
6.1	375mm dia. Rubber Ring Jointed Reinforced Concrete Pipe (RCP) Class 4 in accordance to Yarra Ranges Council Standard Drawing SD/D2. (Bored Drainage Alignment at No. 25)	62	lin.m	\$ 600.00	\$ 37,200.00
	Crushed Rock Backfill				
6.2	300mm dia. Rubber Ring Jointed Reinforced Concrete Pipe (RCP) Class 4 in accordance to Yarra Ranges Council Standard Drawing SD/D2	124	lin.m	\$ 350.00	\$ 43,400.00
	Table Drain				
6.3	Shoulder / Table Drain - Reshape and regrade existing table drain with cement treated crushed rock - Regulation (minimum 100mm compacted depth) size 20mm 3% cement treated Class 3 Fine Crushed Rock	556	m ²	\$ 30.00	\$ 16,680.00
6.4	Excavate and shape existing swale drain, supply and install Charcoal Coloured Earthlok product along table drain, approx. 0.5m wide from CH0 - CH 140	140	lin.m	\$ 150.00	\$ 21,000.00
7	DRAINAGE PITS				
	Excavation and construction of the following drainage pits, including the supply of all materials, plant and labour, as specified: (Allow for 20mm conduits to go into pits from where new road is being made to allow water to access pits)				
	Supply and install new short single-bar driveable endwalls and connect to 300mm dia. RCP crossover culvert.	34	No.	\$ 1,500.00	\$ 51,000.00
	Construct Table Drain Inlet Pit in accordance with Yarra Ranges Council Standard Drawing SD/P5 (Pit 2, 3, 4, 5)	4	No.	\$ 2,400.00	\$ 9,600.00
	Construct new reinforced concrete headwall in accordance to VicRoads Standard Drawing SD1921 (Pit 1)	1	lin.m	\$ 3,000.00	\$ 3,000.00
	Install new rock beaching in general accordance with Melbourne Water Standard Drawing 7251/08/103 and Yarra Ranges Council Specification.	10	lin.m	\$ 500.00	\$ 5,000.00
	TOTAL				\$422,655.00
	Scheme preparation supervision, administration etc. 5%				\$21,132.75
	Engineer Consultants and other costs				\$17,850.00
	Tree Management (Arborist Assessment, Tree Offsets) 5%				N/A
	Contingency sum 10%				\$42,265.50
TOTAL PROJECT COST					\$503,903.25