

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

REFERENCE NO: _____ DATE: 24-Aug-22

PROJECT: **Lester Street, Henry Street and Everard Grove
Woori Yallock**

TOTAL SCHEME COSTS: **\$1,389,562.50**

COUNCIL COSTS: **\$0.00**

TOTAL PROJECT COST: **\$1,389,562.50**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE (ex. GST)	AMOUNT (ex. GST)
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.	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	\$ 20,000.00	\$ 20,000.00
1.3	Surveying/set-out for all works associated with the project.	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	320	lin.m	\$ 35.00	\$ 11,200.00
2.2	Remove and dispose of existing >300mm dia.	24	lin.m	\$ 35.00	\$ 840.00
2.3	Profile existing asphalt pavement by a minimum of 30mm at extent of works	165	m ²	\$ 30.00	\$ 4,950.00
2.4	Remove existing asphalt vehicle crossing	15	m ²	\$ 30.00	\$ 450.00
2.5	Remove and dispose of existing trees as shown	3	No.	\$ 2,000.00	\$ 6,000.00
2.6	Remove and dispose of existing minor vegetation and trimming as required	1	Item	\$ 2,000.00	\$ 2,000.00
2.7	Remove and dispose of existing guideposts as required	12	No.	\$ 50.00	\$ 600.00
2.8	Remove and dispose of existing bollards as required	1	No.	\$ 100.00	\$ 100.00
2.9	Remove and dispose of existing Headwalls/Endwalls as required	19	No.	\$ 350.00	\$ 6,650.00
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 Fill Approximated from Typical Sections and assuming all full depth pavement materials are in cut	240	m ³	\$ 30.00	\$ 7,200.00

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3.2	Fill to Import Approximated from Typical Sections and assuming all full depth pavement materials are in cut	410	m ³	\$ 50.00	\$ 20,500.00
3.3	Reinstate all disturbed areas as well as those areas specified on the plans with no less than 100mm top soil loam, levelled, raked and sown with an approved grass seed such to create a full grass coverage	4950	m ²	\$ 14.00	\$ 69,300.00
4	ROAD PAVEMENT				
4.1	Asphalt Wearing Course - 30mm compacted depth, size 10mm stone, type H asphalt wearing course	5590	m ²	\$ 18.00	\$ 100,620.00
4.2	Asphalt Base Course - 40mm compacted depth, size 14mm stone, type H asphalt base course	5590	m ²	\$ 21.00	\$ 117,390.00
4.3	Crushed Rock Base Course - 120mm compacted depth, Size 20mm Class 2 Crushed Rock	5590	m ²	\$ 21.00	\$ 117,390.00
4.4	Crushed Rock Sub-base Course - 100mm compacted depth, Size 20mm 3% cement treated Class 3 Crushed Rock	770	m ²	\$ 15.00	\$ 11,550.00
4.5	Asphalt Wearing Course - 40mm compacted depth, size 10mm stone, type H asphalt wearing course	220	m ²	\$ 18.00	\$ 3,960.00
4.6	Crushed Rock Base Course - 150mm compacted depth, Size 20mm Class 2 Crushed Rock	220	m ²	\$ 20.00	\$ 4,400.00
4.7	Crushed Rock Sub-base Course - Regulation, Size 20mm Cement Treated Class 3 Crushed Rock	135	m ³	\$ 150.00	\$ 20,250.00
4.8	Crushed Rock Shoulder - Regulation (Minimum 150mm Compacted Depth) Size 20mm Class 2 Crushed Rock	365	m ²	\$ 20.00	\$ 7,300.00
5	CONCRETE WORKS				
	All Concrete to be minimum 32 mPa				
5.1	Rollover Kerb and Channel cast in place on 50mm depth compacted 20mm size Class 3 Crushed Rock, as per Yarra Ranges Shire Council Standard Drawing SD/B1	1270	lin.m	\$ 95.00	\$ 120,650.00
6	AGRICULTURAL DRAINS				
6.1	Install 100mm dia. Sub-Surface Drain (Class 400) in accordance with Yarra Ranges Shire Council Standard Drawing SD / D5	720	lin.m	\$ 48.00	\$ 34,560.00
7	CRUSHED ROCK VEHICLE CROSSING REGRADING				
7.1	Crushed Rock Vehicle Crossings - Regulation (Minimum 150mm Compacted Depth) Size 20mm Class 3 Crushed Rock reinstatement & regrading for existing vehicle crossings	1120	m ²	\$ 25.00	\$ 28,000.00

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7.2	Cement Treated Crushed Rock Vehicle Crossings - Regulation (Minimum 150mm Compacted Depth) 3% Cement Treated Crushed Rock reinstatement & regrading for existing vehicle crossings	75	m ²	\$ 38.00	\$ 2,850.00
8	ASPHALT VEHICLE CROSSING RECONSTRUCTION				
8.1	Asphalt Vehicle Crossings - 50mm Compacted Depth Size 7mm Type L Asphalt Vehicle Crossing on 150mm Compacted Depth Size 20mm Class 3 Crushed Rock in accordance with Note 3 of Yarra Ranges Shire Council Standard Drawing SD / C1	400	m ²	\$ 72.00	\$ 28,800.00
9	SIGNS				
9.1	Supply and install 'Road Narrows' W4-3 sign and sign post	1	No.	\$ 250.00	\$ 250.00
10	DRAINAGE PIPES				
	Excavation and construction of the following drainage pipes, including the supply of all materials, plant and labour, as specified:				
	Earth backfill				
10.1	Supply, excavation of trench and construct 300dia. Rubber Ring Jointed Reinforced Concrete Pipes (RCP) Class 2 in accordance with Council's Standard Drawing SD/D2	354	lin.m	\$ 285.00	\$ 100,890.00
10.2	Supply, excavation of trench and construct 375dia. Rubber Ring Jointed Reinforced Concrete Pipes (RCP) Class 2 in accordance with Council's Standard Drawing SD/D2	30	lin.m	\$ 350.00	\$ 10,500.00
10.3	Supply, excavation of trench and construct 600dia. Rubber Ring Jointed Reinforced Concrete Pipes (RCP) Class 2 in accordance with Council's Standard Drawing SD/D2	4	lin.m	\$ 550.00	\$ 2,200.00
10.4	Supply and construct pipe connection of private stormwater pipe to Council's drainage pipe as per Council's Standard Drawings SD/H1	17	No.	\$ 530.00	\$ 9,010.00
	Crushed Rock Backfill				
10.5	Supply, excavation of trench and construct 300dia. Rubber Ring Jointed Reinforced Concrete Pipes (RCP) Class 2 in accordance with Council's Standard Drawing SD/D2	355	lin.m	\$ 350.00	\$ 124,250.00
10.6	Supply, excavation of trench and construct 375dia. Rubber Ring Jointed Reinforced Concrete Pipes (RCP) Class 2 in accordance with Council's Standard Drawing SD/D2	8	lin.m	\$ 380.00	\$ 3,040.00
11	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 for water to access pits.)				

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11.1	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD/P4	5	No.	\$ 2,200.00	\$ 11,000.00
11.2	Construct new Grated Pit with 'V' shaped grate in accordance with Yarra Ranges Shire Council Standard Drawing SD/P6	6	No.	\$ 2,300.00	\$ 13,800.00
11.3	Construct new Grated Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD/P3	5	No.	\$ 2,700.00	\$ 13,500.00
11.4	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD/P1	10	No.	\$ 2,400.00	\$ 24,000.00
11.5	Modify and raise existing Grated Pit and convert to a Side Entry Pit in general accordance with Yarra Ranges Shire Council Standard Drawing SD/P1	1	No.	\$ 1,500.00	\$ 1,500.00
11.6	Raise existing Grated Pit to match new surface level	1	No.	\$ 1,800.00	\$ 1,800.00
11.7	Install new driveable endwall in accordance with VicRoads Standard Drawing SD 1991	12	No.	\$ 1,800.00	\$ 21,600.00
11.8	Construct concrete Wing Wall and rock beaching in accordance with Melbourne Water Standard Drawing 7251/08/103	1	No.	\$ 5,000.00	\$ 5,000.00
12	PROVISIONAL				
12.1	Uncover and prove existing alignment & depth of utility conduit prior to commencing works within vicinity in locations shown on plans	7	No.	\$ 400.00	\$ 2,800.00
12.2	Stabilise two (2) Utility Poles for duration of works within the excavation exclusion zone as shown on GLP	1	Item	\$ 4,000.00	\$ 4,000.00
TOTAL CONSTRUCTION COST					\$1,111,650.00
Scheme preparation, supervision, administration etc. 5%					\$55,582.50
Engineer Consultants and other Costs					\$55,582.50
Tree Management (Arborist Assessment, Tree Offsets, Tree Removal)					\$55,582.50
Contingency sum 10%					\$111,165.00
TOTAL SCHEME COST					\$1,389,562.50

Items not forming part of Scheme

A			sq.m.		\$ -
B			No.		\$ -
TOTAL PROJECT COST					\$1,389,562.50