

Creamery Road DCP - Drainage Projects		
DCP Project No.	Project Name	Total Project Cost
WLRB_01	Wetland Retarding Basin No.1 - Delivery	\$ 6,705,129.38
WLRB_02	Wetland Retarding Basin No.2 - Delivery	\$ 4,476,606.75
WLRB_05	Wetland Retarding Basin No.5 - Delivery	\$ 6,076,453.95
WLRB_06	Wetland Retarding Basin No.6 - Delivery	\$ 1,467,105.40
WLRB_07	Wetland Retarding Basin No.7 - Delivery	\$ 3,059,909.99
WLRB_08	Wetland Retarding Basin No.8 - Delivery	\$ 2,641,550.23
WLRB_09	Wetland Retarding Basin No.9 - Delivery	\$ 2,597,044.28
WW_01	Waterway No.1 - Delivery	\$ 1,180,253.03
WW_02	Waterway No.2 - Delivery	\$ 773,742.38
CU_01	Culvert - Ephemeral waters to flow under N/S Collector	\$ 500,953.12
CU_02	Culvert & Roadworks - Cowies Creek under Evans Road	\$ 2,262,372.59
CU_03	Culvert - Ephemeral waters to flow under Avonlea Rd	\$ 586,214.92
EW_01	Ephemeral Waterway	\$ 250,606.25
Total Drainage Works		\$ 32,577,942.24

Creamery Road DCP - Drainage Projects (Land)			
DCP Project No.	Total Land Required (ha)	Encumbered Land (ha)	DCP Land Acquisition (ha)
WLRB_01	6.006	2.883	3.123
WLRB_02	2.778	0.000	2.778
WLRB_05	3.352	0.000	3.352
WLRB_06	1.827	0.000	1.827
WLRB_07	2.139	0.000	2.139
WLRB_08	1.406	1.406	0.000
WLRB_09	0.871	0.353	0.518
WW_01	1.072	0.000	1.072
WW_02	0.852	0.570	0.282
CU_01	0.000	0.000	0.000
CU_02	0.000	0.000	0.000
CU_03	0.000	0.000	0.000
EW_01	1.917	1.917	0.000
	22.220	7.129	15.091

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITEWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 150mm and stockpile onsite for reuse.	60,600	m ²	\$ 2.00	\$ 121,200.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	33,000	m ³	\$ 30.00	\$ 990,000.00
1.2.2	Cut to spoil	8,750	m ³	\$ 30.00	\$ 262,500.00
NOTE	All earthwork volumes (solid) are calculated from existing surface to bottom of boxing/finished surface. Earthworks for footpaths, vehicular crossings and all areas requiring topsoil for Item 1 are deemed to be included in the earthwork volumes and tendered rate.				
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	Box Culvert				
2.1.1	2.1m wide x 0.6m high box culvert	50	lm.	\$ 2,500.00	\$ 125,000.00
2.2	RRJ drains				
2.2.1	Ø2100mm R.C. Cl. 2 Pipe Drain	10	lm.	\$ 3,000.00	\$ 30,000.00
2.2.2	Ø1950mm R.C. Cl. 2 Pipe Drain	45	lm.	\$ 3,000.00	\$ 135,000.00
2.2.3	Ø1800mm R.C. Cl. 2 Pipe Drain	90	lm.	\$ 2,750.00	\$ 247,500.00
2.2.4	Ø1200mm R.C. Cl. 2 Pipe Drain	180	lm.	\$ 1,500.00	\$ 270,000.00
2.2.5	Ø900mm R.C. Cl. 2 Pipe Drain	475	lm.	\$ 1,000.00	\$ 475,000.00
2.2.6	Ø600mm R.C. Cl. 2 Pipe Drain	50	lm.	\$ 750.00	\$ 37,500.00
2.2.7	Ø450mm R.C. Cl. 2 Pipe Drain	80	lm.	\$ 500.00	\$ 40,000.00
2.2.8	Ø300mm R.C. Cl. 2 Pipe Drain	150	lm.	\$ 350.00	\$ 52,500.00
2.3	Drainage Pits				
	Supply all materials and construct the following pits to council specifications and standard drawings, including excavation, reinforcement, supply and placement of concrete, step irons, lids and frames and backfilling, all as specified.				
2.3.1	Endwall to suit 2100 wide x 600 high box culvert	3	no.	\$ 7,500.00	\$ 22,500.00
2.3.2	Endwall to suit 900dia pipe	6	no.	\$ 2,500.00	\$ 15,000.00
2.3.3	9300 x 7000 Outlet Pit structure to rock lined energy dissipation zone (Refer F604)	1	no.	\$ 75,000.00	\$ 75,000.00
2.3.4	2700 x 900 Sediment Pond transfer pit (Pit 10 - Refer Sheet F602)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.5	3600 x 1500 Sediment Pond bypass pit including MW Grille Cover (Pit 9 - Refer Sheet F601)	1	no.	\$ 25,000.00	\$ 25,000.00
2.3.6	10200 x 3300 Wetland Control Pit including central wall, sidewinder & valve for maintenance draw down (Pit 11 - Refer Sheet F603)	1	no.	\$ 75,000.00	\$ 75,000.00
2.3.7	3000 x 1500 Junction Pit (Refer MW STD DWG 7251/08/412-413)	1	no.	\$ 25,000.00	\$ 25,000.00
2.3.8	2850 x 900 Junction Pit (Refer MW STD DWG 7251/08/412-413)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.9	2400 x 900 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.10	2800 x 2400 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 20,000.00	\$ 20,000.00
2.3.11	2700 x 1800 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.12	1500 x 1500 Junction Pit (Refer MW STD DWG 7251/08/409-409)	3	no.	\$ 12,500.00	\$ 37,500.00
2.3.13	1800 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)	1	no.	\$ 10,000.00	\$ 10,000.00
2.3.14	1500 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)	3	no.	\$ 7,500.00	\$ 22,500.00
2.3.15	1200 x 900 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 6,500.00	\$ 6,500.00
2.3.16	900 x 900 Junction Pit (Refer MW STD DWG 7251/12/404)	1	no.	\$ 5,000.00	\$ 5,000.00
2.3.17	600 x 600 Submerged Offtake Pit	3	no.	\$ 2,000.00	\$ 6,000.00
3	CONCRETE WORKS				
3.1	Sediment Pond Base - Supply and install reinforced N32 grade concrete, 150 mm deep on 150mm depth crushed rock bedding	750	m ²	\$ 150.00	\$ 112,500.00

4	ROCK WORKS					
4.1	Access Track: Supply all material and construct 100mm depth of 0-40mm NDCR with 6% cement stabilisation on a 100mm depth of 0-100mm FCR	450	m ²	\$ 50.00	\$	22,500.00
4.2	Maintenance Track: Supply all material and construct 100mm depth of Class 2 crushed rock and topsoil or hydromulch (mixed well) on a bed of 270mm compacted depth of 20mm Class 4 fine crushed rock, placed and compacted in two layers.	2100	m ²	\$ 50.00	\$	105,000.00
4.3	Supply and install rockwork to outlet structure as detailed	750	m ²	\$ 150.00	\$	112,500.00
4.4	Supply and install rockwork to bypass inlet pool	500	m ²	\$ 125.00	\$	62,500.00
5	CLAY LINER					
5.1	Sediment Basin: Placement of 450 mm compacted depth clay liner for sediment basin (allow to source off site)	2500	m ²	\$ 25.00	\$	62,500.00
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	12500	m ²	\$ 25.00	\$	312,500.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	1500	m ²	\$ 3.00	\$	4,500.00
6.2	Wetland: Re spread 200 mm topsoil for planting areas	11500	m ²	\$ 3.00	\$	34,500.00
6.3	Re spread 200mm topsoil to all other disturbed areas	43050	m ²	\$ 3.00	\$	129,150.00
7	AQUATIC PLANTING					
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	400	m ²	\$ 5.00	\$	2,000.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	8000	m ²	\$ 5.00	\$	40,000.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	8000	m ²	\$ 5.00	\$	40,000.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	3200	m ²	\$ 5.00	\$	16,000.00
7.5	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	3200	m ²	\$ 10.00	\$	32,000.00
7.6	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	Item	\$ 20,000.00	\$	20,000.00
8	GRASS SPILLWAY					
8.1	Grass spillway reinforced with terramat. Subsurface seepage control system and impervious clay core to be provided for embankment	4500	m ²	\$ 80.00	\$	360,000.00
9	LANDSCAPE					
9.1	Supply and install 3m wide shared path	0	m ²	\$ 100.00		
10	MISCELLANEOUS					
10.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
10.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
10.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
10.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
10.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
10.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
10.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
Total - Wetland WLRB1 Construction					\$	4,730,250.00
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	153,733.13
10.2	Miscellaneous Authority Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	23,651.25
10.4	Environmental Management	3	%		\$	141,907.50
10.5	Survey/Design	7.5	%		\$	354,768.75
10.6	Supervision & Project Management	5	%		\$	236,512.50
10.7	Site Establishment	2.5	%		\$	118,256.25
10.8	Contingency	20	%		\$	946,050.00
Total - Wetland WLRB1 Delivery					\$	1,974,879.38
Total - Wetland Cost WLRB1					\$	6,705,129.38

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	27,400	m ²	\$ 2.00	\$ 54,800.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	2,600	m ³	\$ 30.00	\$ 78,000.00
1.2.2	Cut to spoil	34,600	m ³	\$ 30.00	\$ 1,038,000.00
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	Box Culvert				
2.1.1	2.1m wide x 0.6m high box culvert	40	lm.	\$ 2,500.00	\$ 100,000.00
2.2	RRJ drains				
2.2.1	Ø1650mm R.C. Cl. 2 Pipe Drain	100	lm.	\$ 2,500.00	\$ 250,000.00
2.2.2	Ø1500mm R.C. Cl. 2 Pipe Drain	15	lm.	\$ 2,000.00	\$ 30,000.00
2.2.3	Ø1200mm R.C. Cl. 2 Pipe Drain	80	lm.	\$ 1,500.00	\$ 120,000.00
2.2.4	Ø900mm R.C. Cl. 2 Pipe Drain	220	lm.	\$ 1,000.00	\$ 220,000.00
2.2.5	Ø450mm R.C. Cl. 2 Pipe Drain	70	lm.	\$ 500.00	\$ 35,000.00
2.2.6	Ø300mm R.C. Cl. 2 Pipe Drain	170	lm.	\$ 350.00	\$ 59,500.00
2.3	Drainage Pits				
	Supply all materials and construct the following pits to council specifications and standard drawings, including excavation, reinforcement, supply and placement of concrete, step irons, lids and frames and backfilling, all as specified.				
2.3.1	Endwall to suit 2100 wide x 600 high box culvert	1	no.	\$ 7,500.00	\$ 7,500.00
2.3.2	Endwall to suit 1650dia pipe	1	no.	\$ 5,000.00	\$ 5,000.00
2.3.3	Endwall to suit 900dia pipe	2	no.	\$ 2,500.00	\$ 5,000.00
2.3.4	2700 x 900 Sediment Pond transfer pit (Pit 10 - Refer Sheet F601)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.5	6300 x 2700 Wetland Control Pit including central wall, sidewinder & valve for maintenance draw down (Pit 11 - Refer Sheet F600)	1	no.	\$ 50,000.00	\$ 50,000.00
2.3.6	3600 x 1500 Sediment Pond bypass pit including MW Grille Cover (Pit 9 - Refer Sheet F601)	1	no.	\$ 25,000.00	\$ 25,000.00
2.3.7	2400 x 2100 Junction Pit (Refer MW STD DWG 7251/08/409-410)	1	no.	\$ 20,000.00	\$ 20,000.00
2.3.8	2100 x 2100 Junction Pit (Refer MW STD DWG 7251/08/409-410)	1	no.	\$ 17,500.00	\$ 17,500.00
2.3.9	2700 x 1500 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 17,500.00	\$ 17,500.00
2.3.10	1500 x 1500 Junction Pit (Refer MW STD DWG 7251/08/409-409)	2	no.	\$ 10,000.00	\$ 20,000.00
2.3.11	1500 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)	3	no.	\$ 7,500.00	\$ 22,500.00
2.3.12	900 x 900 Junction Pit (Refer MW STD DWG 7251/12/404)	3	no.	\$ 5,000.00	\$ 15,000.00
2.3.13	600 x 600 Submerged Offtake Pit	4	no.	\$ 2,000.00	\$ 8,000.00
3	CONCRETE WORKS				
3.1	Sediment Pond Base - Supply and install reinforced N32 grade concrete, 150 mm deep on 150mm depth crushed rock bedding	750	m ²	\$ 150.00	\$ 112,500.00
4	ROCK WORKS				
4.1	Access Track: Supply all material and construct 100mm depth of 0-40mm NDCR with 6% cement stabilisation on a 100mm depth of 0-100mm FCR	450	m ²	\$ 50.00	\$ 22,500.00
4.2	Maintenance Track: Supply all material and construct 100mm depth of Class 2 crushed rock and topsoil or hydromulch (mixed well) on a bed of 270mm compacted depth of 20mm Class 4 fine crushed rock, placed and compacted in two layers.	1400	m ²	\$ 50.00	\$ 70,000.00
4.3	Supply and install rockwork to channel	0	m ²	\$ 125.00	
4.4	Supply and install rockwork to bypass inlet pool	300	m ²	\$ 125.00	\$ 37,500.00

5	CLAY LINER					
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	2000	m ²	\$ 25.00	\$	50,000.00
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	14000	m ²	\$ 25.00	\$	350,000.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	1000	m ²	\$ 3.00	\$	3,000.00
6.2	Wetland: Re spread 200 mm topsoil for planting areas	12500	m ²	\$ 3.00	\$	37,500.00
6.3	Re spread 200mm topsoil to all other disturbed areas	11300	m ²	\$ 3.00	\$	33,900.00
7	AQUATIC PLANTING					
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	400	m ²	\$ 5.00	\$	2,000.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	9500	m ²	\$ 5.00	\$	47,500.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	9500	m ²	\$ 5.00	\$	47,500.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	5000	m ²	\$ 5.00	\$	25,000.00
7.5	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	1500	m ²	\$ 10.00	\$	15,000.00
7.6	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	Item	\$ 20,000.00	\$	20,000.00
8	LANDSCAPE					
8.1	Supply and install 3m wide shared path	0	m ²	\$ 100.00		
9	MISCELLANEOUS					
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
Total - Wetland WLRB2 Construction						\$ 3,158,100.00
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	102,638.25
10.2	VicRoads Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	15,790.50
10.4	Environmental Management	3	%		\$	94,743.00
10.5	Survey/Design	7.5	%		\$	236,857.50
10.6	Supervision & Project Management	5	%		\$	157,905.00
10.7	Site Establishment	2.5	%		\$	78,952.50
10.8	Contingency	20	%		\$	631,620.00
Total - Wetland WLRB2 Delivery						\$ 1,318,506.75
Total - Wetland Cost WLRB2						\$ 4,476,606.75

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	34,750	m ²	\$ 2.00	\$ 69,500.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	700	m ³	\$ 30.00	\$ 21,000.00
1.2.2	Cut to spoil	89,031	m ³	\$ 30.00	\$ 2,670,930.00
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	RRJ drains				
2.1.1	Ø1500mm R.C. Cl. 2 Pipe Drain	20	lm.	\$ 2,000.00	\$ 40,000.00
2.1.2	Ø1350mm R.C. Cl. 2 Pipe Drain	45	lm.	\$ 1,800.00	\$ 81,000.00
2.1.3	Ø1200mm R.C. Cl. 2 Pipe Drain	20	lm.	\$ 1,500.00	\$ 30,000.00
2.1.4	Ø825mm R.C. Cl. 2 Pipe Drain	105	lm.	\$ 900.00	\$ 94,500.00
2.1.5	Ø750mm R.C. Cl. 2 Pipe Drain	125	lm.	\$ 750.00	\$ 93,750.00
2.1.6	Ø600mm R.C. Cl. 2 Pipe Drain	40	lm.	\$ 450.00	\$ 18,000.00
2.1.7	Ø300mm R.C. Cl. 2 Pipe Drain	225	lm.	\$ 350.00	\$ 78,750.00
2.2	Drainage Pits				
	Supply all materials and construct the following pits to council specifications and standard drawings, including excavation, reinforcement, supply and placement of concrete, step irons, lids and frames and backfilling, all as specified.				
2.2.1	Endwall to suit 600dia pipe	1	no.	\$ 2,750.00	\$ 2,750.00
2.2.2	Endwall to suit 1500dia pipe	1	no.	\$ 5,500.00	\$ 5,500.00
2.2.3	Endwall to suit 1350dia pipe	1	no.	\$ 4,500.00	\$ 4,500.00
2.2.4	Endwall to suit 1200 + 825 dia pipes	1	no.	\$ 10,000.00	\$ 10,000.00
2.2.5	900 x 900 Sediment Pond transfer pit	2	no.	\$ 5,000.00	\$ 10,000.00
2.2.6	Wetland Control Pit/High Flow Bypass including central wall, sidewinder & valve for maintenance draw down & MW Grille Cover	1	no.	\$ 30,000.00	\$ 30,000.00
2.2.7	1500 x 900 Sediment Pond bypass pit including MW Grille Cover	1	no.	\$ 9,000.00	\$ 9,000.00
2.2.8	1650 x 900 Sediment Pond bypass pit including MW Grille Cover	1	no.	\$ 9,500.00	\$ 9,500.00
2.2.9	1500 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)	2	no.	\$ 7,500.00	\$ 15,000.00
2.2.10	600 x 600 Submerged Offtake Pit	6	no.	\$ 2,000.00	\$ 12,000.00
3	CONCRETE WORKS				
3.1	Sediment Pond Base - Supply and install reinforced N32 grade concrete, 150 mm deep on 150mm depth crushed rock bedding	1385	m ²	\$ 150.00	\$ 207,750.00
4	ROCK WORKS				
4.1	Access Track: Supply all material and construct 100mm depth of 0-40mm NDCR with 6% cement stabilisation on a 100mm depth of 0-100mm FCR	580	m ²	\$ 50.00	\$ 29,000.00
4.2	Supply and install rockwork to spillway	100	m ²	\$ 125.00	\$ 12,500.00
4.3	Supply and install rockwork to bypass inlet pool	100	m ²	\$ 125.00	\$ 12,500.00
5	CLAY LINER				
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	3490	m ²	\$ 25.00	\$ 87,250.00
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	11690	m ²	\$ 25.00	\$ 292,250.00
6	TOPSOIL				
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	1380	m ²	\$ 3.00	\$ 4,140.00
6.2	Wetland: Re spread 200 mm topsoil for planting areas	10610	m ²	\$ 3.00	\$ 31,830.00
6.3	Wetland: Re spread 200 mm topsoil for ephemeral areas	1080	m ²	\$ 3.00	\$ 3,240.00
6.4	Re spread 200mm topsoil to all other disturbed areas	21100	m ²	\$ 3.00	\$ 63,300.00

7	AQUATIC PLANTING				
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	400	m ²	\$ 5.00	\$ 2,000.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	4320	m ²	\$ 5.00	\$ 21,600.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	4140	m ²	\$ 5.00	\$ 20,700.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	1080	m ²	\$ 2.50	\$ 2,700.00
7.5	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	9940	m ²	\$ 10.00	\$ 99,400.00
7.6	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	Item	\$ 20,000.00	\$ 20,000.00
8	LANDSCAPE				
8.1	Supply and install 3m wide shared path	0	m ²	\$ 100.00	
9	MISCELLANEOUS				
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$ 30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$ 6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$ 18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$ 400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$ 5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$ 10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$ 1,500.00
Total - Wetland RB5 Construction					\$ 4,286,740.00
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 139,319.05
10.2	VicRoads Fees	0	%		\$ -
10.3	Traffic Management	0.5	%		\$ 21,433.70
10.4	Environmental Management	3	%		\$ 128,602.20
10.5	Survey/Design	7.5	%		\$ 321,505.50
10.6	Supervision & Project Management	5	%		\$ 214,337.00
10.7	Site Establishment	2.5	%		\$ 107,168.50
10.8	Contingency	20	%		\$ 857,348.00
Total - Wetland WLRB5 Delivery					\$ 1,789,713.95
Total - Wetland Cost WLRB5					\$ 6,076,453.95

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Site Preparation	1	Item	\$ 10,000.00	\$ 10,000.00
1.2	Stripping of topsoil and stockpiling	12,560	m2	\$ 2.00	\$ 25,120.00
1.3	Excavate to design levels as shown in the civil drawings				
1.3.1	Cut to fill	1,600	m3	\$ 30.00	\$ 48,000.00
1.3.2	Cut to spoil	7,278	m3	\$ 30.00	\$ 218,349.15
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	DRAINAGE PIPES				
2.1.1	Drainage - pits: Supply and install concrete headwall to suit 1350 mm dia. pipe into sediment basin	2	m3	\$ 3,037.00	\$ 6,620.66
2.1.2	Drainage - pits: Supply and install sediment basin to wetland transfer pit including step irons and pipe grill lid arrangement (1200mm x 1200mm x 1200mm)	1	No.	\$ 7,500.00	\$ 7,500.00
2.1.3	Drainage - pipes: Supply and install 1 x 750 mm dia RC transfer pipe (SB to WL inlet pool) incl excavation, crushed rock bedding and back fill	16	LM	\$ 427.00	\$ 6,618.50
2.1.4	Drainage - pits: Supply and install concrete headwall to suit 750 mm dia. Inlet pipe from sediment pond	1	m3	\$ 3,037.00	\$ 2,642.19
2.1.5	Drainage - pipes: Supply and install 300mm dia RC balance pipes incl excavation, crushed rock bedding and back fill	72	LM	\$ 237.00	\$ 17,064.00
2.1.6	Drainage - pits: Supply and install submerged offtake pits (600mm x 600mm x 600mm) for balance pipes	2	No.	\$ 3,000.00	\$ 6,000.00
2.1.7	Drainage - pits: Supply and install submerged offtake pit (900mm x 900mm x 900mm) for wetland outlet	1	No.	\$ 5,000.00	\$ 5,000.00
2.1.8	Drainage - pipes: Supply and install 525mm diam RC pipe (submerged offtake to EDD control pit) incl excavation, crushed rock bedding and back fill	11	LM	\$ 400.00	\$ 4,400.00
2.1.9	Drainage - pits: Supply and install twin chamber EDD control outlet pit/retarding basin outlet with side-winder penstock, step irons and pipe grill lid	1	No.	\$ 15,000.00	\$ 15,000.00
2.1.10	Drainage - pipes: Supply and install 525 mm dia pipe (from wetland control structure pit to RB outlet pit) incl excavation, crushed rock bedding and back fill	5	LM	\$ 400.00	\$ 2,000.00
2.1.11	Drainage - pits: Supply and install RB outfall pit	1	No.	\$ 10,000.00	\$ 10,000.00
2.1.12	Drainage - pipes: Supply and install 750 mm dia retarding basin outfall pipe incl excavation, crushed rock bedding and back fill	82	LM	\$ 427.00	\$ 35,014.00
2.1.13	Drainage - pits: Supply and install concrete headwall to suit 750mm dia. pipe	1	m3	\$ 3,037.00	\$ 2,642.19
2.1.14	Drainage - pits: Supply and install water level gauge wetland outlet submerged pit	1	No.	\$ 1,000.00	\$ 1,000.00
3	CONCRETE WORKS				
3.1	Supply and install reinforced N32 grade concrete, 150 mm deep, extending 300mm vertically up batter, to form sediment basin base	350	m2	\$ 50.00	\$ 17,500.00
3.2	Concrete weir/sill: Supply and install reinforced N32 grade concrete to form sediment basin to wetland spillway weir/sill to Melbourne Water standard specification 7251/8/108 (300mm thick, 1100mm deep, 5m long)	1	Item	\$ 3,250.00	\$ 3,250.00
4	ROCK WORKS				
4.1	Sediment Pond: Supply and install 4m wide sediment basin maintenance access ramp, including sub base preparation. 200mm depth - bottom layer is 100mm depth of 0-100mm FCR, top layer is 100mm of 0-40 NDCR (6% cement stabilised below NWL).	80	m2	\$ 40.00	\$ 3,200.00
4.2	Supply and install well graded D50=400mm rock to form sediment basin to wetland spillway	58	m3	\$ 197.00	\$ 11,504.80
4.3	Geofabric: Supply and install geofabric (Bidim A44 or equivalent) for all rockwork	22	lin.m	\$ 10.00	\$ 219.00
4.4	Supply and install rockwork to RB outfall	1	Item	\$ 1,500.00	\$ 1,500.00
4.5	Supply and installation of rockwork at sediment basin and wetland inlet pipes	2	Item	\$ 1,500.00	\$ 3,000.00

5	CLAY LINER					
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	1294	m2	\$ 25.00	\$	32,357.50
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	5769	m2	\$ 25.00	\$	144,215.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	458	m2	\$ 3.30	\$	1,511.40
6.2	Wetland: Re spread 200 mm topsoil for planting areas	7421	m2	\$ 3.30	\$	24,489.30
6.3	Retarding basin: Re spread 200 mm topsoil for planting areas	2102	m2	\$ 3.30	\$	6,936.60
7	AQUATIC PLANTING					
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	273	No.	\$ 5.00	\$	1,365.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	5510	No.	\$ 5.00	\$	27,550.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	3188	No.	\$ 5.00	\$	15,940.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	13028	No.	\$ 2.50	\$	32,570.00
7.5	Supply and install terrestrial planting (90cm3 tube, 4/m2).	8408	No.	\$ 2.50	\$	21,020.00
7.6	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	2557	m2	\$ 10.00	\$	25,569.70
7.7	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	No.	\$ 20,000.00	\$	20,000.00
8	LANDSCAPE					
8.1	Landscaping: Supply and install 4m wide RB perimeter concrete access path	1740	m2	\$ 61.90	\$	107,706.00
8.2	Landscaping: Supply and install 3m wide wetland/SB perimeter gravel access path within RB (thickness 150mm)	1200	m2	\$ 33.10	\$	39,720.00
9	MISCELLANEOUS					
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
Total - Wetland WLRB6 Construction						\$ 1,034,994.99
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	33,637.34
10.2	VicRoads Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	5,174.97
10.4	Environmental Management	3	%		\$	31,049.85
10.5	Survey/Design	7.5	%		\$	77,624.62
10.6	Supervision & Project Management	5	%		\$	51,749.75
10.7	Site Establishment	2.5	%		\$	25,874.87
10.8	Contingency	20	%		\$	206,999.00
Total - Wetland WLRB6 Delivery						\$ 432,110.41
Total - Wetland Cost WLRB6						\$ 1,467,105.40

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Site preparation	1	Item	\$ 10,000.00	\$ 10,000.00
1.2	Stripping of topsoil and stockpiling	27,000	m2	\$ 2.00	\$ 54,000.00
1.3	Excavate to design levels as shown in the civil drawings				
1.3.1	Cut to fill	1,100	m3	\$ 30.00	\$ 33,000.00
1.3.2	Cut to spoil	18,980	m3	\$ 30.00	\$ 569,400.00
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	DRAINAGE PIPES				
2.2.1	Drainage - pits: Supply and install concrete headwall to suit 900 mm dia. pipe into sediment basin	4	m3	\$ 3,037.00	\$ 12,148.00
2.1.2	Drainage - pits: Supply and install sediment basin to wetland transfer pit including step irons and pipe grill lid arrangement (900mm x 1050mm x 1200mm)	1	No.	\$ 5,000.00	\$ 5,000.00
2.1.3	Drainage - pipes: Supply and install 1 x 600 mm dia RC transfer pipe (SB to WL inlet pool) incl excavation, crushed rock bedding and back fill	15	LM	\$ 450.00	\$ 6,750.00
2.1.4	Drainage - pits: Supply and install concrete headwall to suit 600 mm dia. Inlet pipe from sediment pond	1	m3	\$ 3,037.00	\$ 3,583.66
2.1.5	Drainage - pipes: Supply and install 300mm dia RC balance pipes incl excavation, crushed rock bedding and back fill	95	LM	\$ 237.00	\$ 22,515.00
2.1.6	Drainage - pits: Supply and install submerged offtake pits (600mm x 600mm x 600mm) for balance pipes	2	No.	\$ 3,000.00	\$ 6,000.00
2.1.7	Drainage - pits: Supply and install submerged offtake pit (900mm x 900mm x 900mm) for wetland outlet	1	No.	\$ 5,000.00	\$ 5,000.00
2.1.8	Drainage - pipes: Supply and install 600mm diam RC pipe (submerged offtake to EDD control pit) incl excavation, crushed rock bedding and back fill	18	LM	\$ 450.00	\$ 8,100.00
2.1.9	Drainage - pits: Supply and install twin chamber EDD control outlet pit/retarding basin outlet with side-winder penstock, step irons and pipe grill lid	1	No.	\$ 15,000.00	\$ 15,000.00
2.1.10	Drainage - pipes: Supply and install 600 mm dia pipe (from wetland control structure pit to outlet pit) incl excavation, crushed rock bedding and back fill	160	LM	\$ 450.00	\$ 72,000.00
2.1.11	Drainage - pits: Supply and install RB outfall pit	1	No.	\$ 10,000.00	\$ 10,000.00
2.1.12	Drainage - pipes: Supply and install 1200 mm dia retarding basin outfall pipe incl excavation, crushed rock bedding and back fill	90	LM	\$ 4,500.00	\$ 405,000.00
2.1.13	Drainage - pits: Supply and install 2 x drop pits for RB outfall pipeline	2	No.	\$ 10,000.00	\$ 20,000.00
2.1.14	Drainage - pits: Supply and install water level gauge wetland outlet submerged pit	1	No.	\$ 1,000.00	\$ 1,000.00
3	CONCRETE WORKS				
3.1	Supply and install reinforced N32 grade concrete, 150 mm deep, extending 300mm vertically up batter, to form sediment basin base	260	m3	\$ 150.00	\$ 39,000.00
4	ROCK WORKS				
4.1	Sediment Pond: Supply and install 4m wide sediment basin maintenance access ramp, including sub base preparation. 200mm depth - bottom layer is 100mm depth of 0-100mm FCR, top layer is 100mm of 0-40 NDCR (6% cement stabilised below NWL).	80	m2	\$ 40.00	\$ 3,200.00
4.2	Supply and install well graded D50=400mm rock to form sediment basin to wetland spillway	64	m3	\$ 197.00	\$ 12,608.00
4.3	Geofabric: Supply and install geofabric (Bidim A44 or equivalent) for all rockwork	24	lin.m	\$ 10.00	\$ 240.00
4.4	Supply and install rockwork to RB outfall into Cowies Creek	1	Item	\$ 3,000.00	\$ 3,000.00
4.5	Supply and installation of rockwork at sediment basin and wetland inlet pipes	2	Item	\$ 1,500.00	\$ 3,000.00
4.6	Supply and install rockwork for RB high flow spillway (above 1% AEP peak flow)	480	m3	\$ 197.00	\$ 94,560.00

5	CLAY LINER					
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	1050	m2	\$ 25.00	\$	26,250.00
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	5350	m2	\$ 25.00	\$	133,750.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	530	m2	\$ 3.30	\$	1,749.00
6.2	Wetland: Re spread 200 mm topsoil for planting areas	4560	m2	\$ 3.30	\$	15,048.00
6.3	Retarding basin: Re spread 200 mm topsoil for planting areas	20600	m2	\$ 3.30	\$	67,980.00
7	AQUATIC PLANTING					
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	157	No.	\$ 5.00	\$	785.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	4166	No.	\$ 5.00	\$	20,830.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	2844	No.	\$ 5.00	\$	14,220.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	4460	No.	\$ 2.50	\$	11,150.00
7.5	Supply and install terrestrial planting (90cm3 tube, 4/m2).	30000	No.	\$ 2.50	\$	75,000.00
7.6	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	25690	m2	\$ 10.00	\$	256,900.00
7.7	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	No.	\$ 20,000.00	\$	20,000.00
8	LANDSCAPE					
8.1	Landscaping: Supply and install 4m wide RB perimeter concrete access path	500	m2	\$ 60.00	\$	30,000.00
9	MISCELLANEOUS					
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
Total - Wetland WLRB7 Construction					\$	2,158,666.66
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	70,156.67
10.2	VicRoads Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	10,793.33
10.4	Environmental Management	3	%		\$	64,760.00
10.5	Survey/Design	7.5	%		\$	161,900.00
10.6	Supervision & Project Management	5	%		\$	107,933.33
10.7	Site Establishment	2.5	%		\$	53,966.67
10.8	Contingency	20	%		\$	431,733.33
Total - Wetland WLRB7 Delivery					\$	901,243.33
Total - Wetland WLRB7					\$	3,059,909.99

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	15,740	m ²	\$ 2.00	\$ 31,480.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	1,100	m ³	\$ 30.00	\$ 33,000.00
1.2.2	Cut to spoil	22,855	m ³	\$ 30.00	\$ 685,635.00
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	Cut off swale		lm.	\$ 2,500.00	
2.1.1	1.2m wide x 0.3m high box culvert	0	lm.	\$ 1,800.00	
2.2	DRAINAGE PIPES				
2.2.1	Ø1200mm R.R.J R.C. Cl. 2 Pipe Drain	80	lm.	\$ 1,500.00	\$ 120,000.00
2.2.2	Ø900mm R.R.J R.C. Cl. 2 Pipe Drain	290	lm.	\$ 1,000.00	\$ 290,000.00
2.2.3	Ø600mm R.C. Cl. 2 Pipe Drain	26	lm.	\$ 500.00	\$ 13,000.00
2.2.4	Ø300mm R.C. Cl. 2 Pipe Drain	60	lm.	\$ 400.00	\$ 24,000.00
2.2.5	Ø100mm PVC Pipe Drain		lm.	\$ 350.00	
2.2.6	Agi Pipes		lm.	\$ 300.00	
2.3	Drainage Pits				
	Supply all materials and construct the following pits to council specifications and standard drawings, including excavation, reinforcement, supply and placement of concrete, step irons, lids and frames and backfilling, all as specified.				
2.3.1	Endwall to suit 600dia pipe	1	no.	\$ 1,900.00	\$ 1,900.00
2.3.2	Endwall to suit 900dia pipe	2	no.	\$ 2,500.00	\$ 5,000.00
2.3.3	Endwall to suit 1200dia pipe	1	no.	\$ 3,500.00	\$ 3,500.00
2.3.4	Endwall to suit 1200 x 300dia culvert		no.	\$ 6,000.00	
2.3.5	Wetland Control Pit/High Flow Bypass including central wall, sidewinder & valve for maintenance draw down & MW Grille Cover	1	no.	\$ 30,000.00	\$ 30,000.00
2.3.6	900 x 600 Pit including MW Grille Cover		no.	\$ 7,000.00	
2.3.7	1050 x 900 Sediment Pond transfer pit	1	no.	\$ 7,500.00	\$ 7,500.00
2.3.8	1200 x 1200 Junction Pit (Refer MW STD DWG 7251/08/409-410)	1	no.	\$ 17,500.00	\$ 17,500.00
2.3.9	900 x 1200 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 17,500.00	\$ 17,500.00
2.3.10	1500 x 1500 Junction Pit (Refer MW STD DWG 7251/08/409-409)	2	no.	\$ 10,000.00	\$ 20,000.00
2.3.11	1500 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)	1	no.	\$ 7,500.00	\$ 7,500.00
2.3.12	900 x 900 Submerged Offtake Pit	1	no.	\$ 5,000.00	\$ 5,000.00
2.3.13	600 x 600 Submerged Offtake Pit	2	no.	\$ 2,000.00	\$ 4,000.00
3	CONCRETE WORKS				
3.1	Sediment Pond Base - Supply and install reinforced N32 grade concrete, 150 mm deep on 150mm depth crushed rock bedding	320	m ²	\$ 150.00	\$ 48,000.00
4	ROCK WORKS				
4.1	Access Track: Supply all material and construct 100mm depth of 0-40mm NDCR with 6% cement stabilisation on a 100mm depth of 0-100mm FCR	600	m ²	\$ 50.00	\$ 30,000.00
4.2	Maintenance Track: Supply all material and construct 100mm depth of Class 2 crushed rock and topsoil or hydromulch (mixed well) on a bed of 270mm compacted depth of 20mm Class 4 fine crushed rock, placed and compacted in two layers.		m ²	\$ 50.00	
4.3	Supply and install rockwork to spillway	0	m ²	\$ 125.00	
4.4	Supply and install rockwork to Growing Grass Frog Pond		m ²	\$ 125.00	

5	CLAY LINER & FILTER MEDIA					
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	1210	m ²	\$ 25.00	\$	30,250.00
5.2	Wetland: Placement of 450 mm compacted clay liners for wetland (allow to source off site)	3800	m ²	\$ 25.00	\$	95,000.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	884	m ²	\$ 3.00	\$	2,652.00
6.2	Wetland: Re spread 200 mm topsoil for planting areas	3335	m ²	\$ 3.00	\$	10,005.00
6.3	Wetland: Re spread 200 mm topsoil for ephemeral areas	465	m ²	\$ 3.00	\$	1,395.00
6.3	Re spread 200 mm topsoil for all other disturbed areas	11016	m ²	\$ 3.00	\$	33,048.00
7	AQUATIC PLANTING					
7.1	Supply and install submerged marsh planting (600cm3 tube, 1/m2).	160	m ²	\$ 5.00	\$	800.00
7.2	Supply and install deep marsh planting (600cm3 tube, 2/m2).	1320	m ²	\$ 5.00	\$	6,600.00
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	1350	m ²	\$ 5.00	\$	6,750.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	1065	m ²	\$ 2.50	\$	2,662.50
7.5	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	3895	m ²	\$ 10.00	\$	38,950.00
7.6	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	Item	\$ 20,000.00	\$	20,000.00
8	LANDSCAPE					
8.1	Supply and install 3m wide wetland/SB perimeter gravel access path within RB (thickness 150mm)		m ²	\$ 40.00		
9	MISCELLANEOUS					
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
9.8	ANCOLD assesment & implementation of recommendations	1	No.	\$ 150,000.00	\$	150,000.00
Total - Wetland WLRB8 Construction					\$	1,863,527.50
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	60,564.64
10.2	VicRoads Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	9,317.64
10.4	Environmental Management	3	%		\$	55,905.83
10.5	Survey/Design	7.5	%		\$	139,764.56
10.6	Supervision & Project Management	5	%		\$	93,176.38
10.7	Site Establishment	2.5	%		\$	46,588.19
10.8	Contingency	20	%		\$	372,705.50
Total - Wetland WLRB8 Delivery					\$	778,022.73
Total - Wetland WLRB8					\$	2,641,550.23

Creamery Road PSP
WETLAND WLRB9 WORKS

Engineers Estimate as at 28 July 2025



Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	21,000	m ²	\$ 2.00	\$ 42,000.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	6,000	m ³	\$ 30.00	\$ 180,000.00
1.2.2	Cut to spoil	28,222	m ³	\$ 30.00	\$ 846,660.00
2	DRAINAGE				
	Complete including excavation, supply of pipes, lay, bed, joint, anchor blocks, backfill, where necessary trench dewatering bedding in trenches, disposal of surplus spoil off site.				
2.1	Cut off swale		lm.	\$ 2,500.00	
2.1.1	2.1m wide x 0.6m high box culvert		lm.	\$ 2,500.00	
2.2	DRAINAGE PIPES				
2.2.1	Ø1350mm R.R.J R.C. Cl. 2 Pipe Drain		lm.	\$ 1,200.00	
2.2.2	Ø900mm R.R.J R.C. Cl. 2 Pipe Drain	170	lm.	\$ 1,000.00	\$ 170,000.00
2.2.3	Ø750mm R.C. Cl. 2 Pipe Drain		lm.		
2.2.4	Ø600mm R.C. Cl. 2 Pipe Drain		lm.		
2.2.5	Ø100mm PVC Pipe Drain	90	lm.	\$ 200.00	\$ 18,000.00
2.2.6	Agi Pipes	60	lm.	\$ 30.00	\$ 1,800.00
2.3	Drainage Pits				
	Supply all materials and construct the following pits to council specifications and standard drawings, including excavation, reinforcement, supply and placement of concrete, step irons, lids and frames and backfilling, all as specified.				
2.3.1	Endwall to suit 100dia pipe	1	no.	\$ 1,000.00	\$ 1,000.00
2.3.2	Endwall to suit 1350dia pipe		no.		
2.3.3	Endwall to suit 900dia pipe	2	no.	\$ 4,000.00	\$ 8,000.00
2.3.4	2400 x 2400 Sediment Pond transfer pit	1	no.	\$ 18,000.00	\$ 18,000.00
2.3.5	Wetland Control Pit/High Flow Bypass including central wall, sidewinder & valve for maintenance draw down & MW Grille Cover		no.	\$ 30,000.00	
2.3.6	900 x 600 Pit including MW Grille Cover	3	no.	\$ 7,000.00	\$ 21,000.00
2.3.7	2400 x 2400 Junction Pit (Refer MW STD DWG 7251/08/409-410)	1	no.	\$ 20,000.00	\$ 20,000.00
2.3.8	1950 x 1200 Junction Pit (Refer MW STD DWG 7251/08/409-410)	1	no.	\$ 15,000.00	\$ 15,000.00
2.3.9	1350 x 1200 Junction Pit (Refer MW STD DWG 7251/08/408-409)	1	no.	\$ 10,000.00	\$ 10,000.00
2.3.10	1500 x 1500 Junction Pit (Refer MW STD DWG 7251/08/409-409)		no.		
2.3.11	1500 x 900 Junction Pit (Refer MW STD DWG 7251/08/409-409)		no.		
2.3.12	900 x 600 Junction Pit (Refer MW STD DWG 7251/12/404)	1	no.	\$ 5,000.00	\$ 5,000.00
2.3.13	600 x 600 Submerged Offtake Pit		no.	\$ 2,000.00	
3	CONCRETE WORKS				
3.1	Sediment Pond Base - Supply and install reinforced N32 grade concrete, 150 mm deep on 150mm depth crushed rock bedding	620	m ²	\$ 150.00	\$ 93,000.00

4	ROCK WORKS					
4.1	Access Track: Supply all material and construct 100mm depth of 0-40mm NDCR with 6% cement stabilisation on a 100mm depth of 0-100mm FCR		m ²			
4.2	Maintenance Track: Supply all material and construct 100mm depth of Class 2 crushed rock and topsoil or hydromulch (mixed well) on a bed of 270mm compacted depth of 20mm Class 4 fine crushed rock, placed and compacted in two layers.	210	m ²	\$ 50.00	\$	10,500.00
4.3	Supply and install rockwork to spillway		m ²			
4.4	Supply and install rockwork to Growling Grass Frog Pond	250	m ²	\$ 125.00	\$	31,250.00
5	CLAY LINER & FILTER MEDIA					
5.1	Sediment Basin: Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	2000	m ²	\$ 25.00	\$	50,000.00
5.2	Growling Grass Frog Pond: Placement of 450 mm compacted clay liners for Growling Grass Frog Pond (allow to source off site)	1560	m ²	\$ 25.00	\$	39,000.00
5.3	Bioretention Basin: Placement of 450 mm compacted clay liners for Bioretention Basin (allow to source off site)	200	m ²	\$ 25.00	\$	5,000.00
5.4	Bioretention filter media incl. transition & drainage layer	130	m ²	\$ 260.00	\$	33,800.00
6	TOPSOIL					
6.1	Sediment basin: Re spread 200 mm topsoil for planting areas	1790	m ²	\$ 3.00	\$	5,370.00
6.2	Growling Grass Frog Pond: Re spread 200 mm topsoil for planting areas	1560	m ²	\$ 3.00	\$	4,680.00
6.3	Re spread 200 mm topsoil for all other disturbed areas	16690	m ²	\$ 3.00	\$	50,070.00
7	AQUATIC PLANTING					
7.3	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	700	m ²	\$ 5.00	\$	3,500.00
7.4	Supply and install ephemeral planting (90cm3 tube, 4/m2).	3440	m ²	\$ 5.00	\$	17,200.00
7.5	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	4140	m ²	\$ 10.00	\$	41,400.00
7.6	Supply, install and maintain plant protection netting for a selected species in the aquatic zones.	1	Item	\$ 20,000.00	\$	20,000.00
8	LANDSCAPE					
8.1	Supply and install 3m wide wetland/SB perimeter gravel access path within RB (thickness 150mm)		m ²	\$ 40.00		
9	MISCELLANEOUS					
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 2,500.00	\$	30,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$	6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$	18,000.00
9.4	Allowance for timber bollards	2	No	\$ 200.00	\$	400.00
9.5	Allowance for seats	2	No	\$ 2,500.00	\$	5,000.00
9.6	WL/SB: Install habitat logs approx. 4.0m long (no securing required) to wetland area.	2	No.	\$ 5,000.00	\$	10,000.00
9.7	Fencing: Supply and install timber post and rail fencing around sediment basin pipe inlet headwall	1	No.	\$ 1,500.00	\$	1,500.00
Total - Wetland WLRB9 Construction					\$	1,832,130.00
10	DELIVERY					
10.1	Council Fees	3.25	%		\$	59,544.23
10.2	VicRoads Fees	0	%		\$	-
10.3	Traffic Management	0.5	%		\$	9,160.65
10.4	Environmental Management	3	%		\$	54,963.90
10.5	Survey/Design	7.5	%		\$	137,409.75
10.6	Supervision & Project Management	5	%		\$	91,606.50
10.7	Site Establishment	2.5	%		\$	45,803.25
10.8	Contingency	20	%		\$	366,426.00
Total - Wetland WLRB9 Delivery					\$	764,914.28
Total - Wetland WLRB9					\$	2,597,044.28

Creamery Road PSP
WATERWAY No.1 WORKS

Engineers Estimate as at 28 July 2025



*Note - quantities are based on typical cross section for 30m width constructed waterway - Length ~ 300m

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	10,600	m ²	\$ 2.00	\$ 21,200.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	50	m ³	\$ 30.00	\$ 1,500.00
1.2.2	Cut to spoil	16,229	m ³	\$ 30.00	\$ 486,870.00
2	DRAINAGE				
3	CONCRETE WORKS				
4	ROCK WORKS				
4.1	Rock lining of pilot channel including geofab layer	830	m ²	\$ 125.00	\$ 103,750.00
5	CLAY LINER				
5.1	Placement of 450 mm compacted clay liners for sediment basin (allow to source off site)	1400	m ²	\$ 25.00	\$ 35,000.00
6	TOPSOIL				
6.1	Respread topsoil to 200mm depth	9770	m ²	\$ 3.00	\$ 29,310.00
7	AQUATIC PLANTING				
7.1	Supply and install shallow marsh planting (600cm3 tube, 2/m2).	1100	m ²	\$ 5.00	\$ 5,500.00
7.2	Supply and install ephemeral planting (90cm3 tube, 4/m2).	1000	m ²	\$ 5.00	\$ 5,000.00
7.3	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m2 in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	9770	m ²	\$ 10.00	\$ 97,700.00
8	LANDSCAPE				
8.1	Supply and install 3m wide shared path	0	m ²	\$ 100.00	
9	MISCELLANEOUS				
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 1,000.00	\$ 12,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$ 6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$ 18,000.00
9.4	Allowance for timber bollards	4	No	\$ 200.00	\$ 800.00
9.5	Allowance for seats	4	No	\$ 2,500.00	\$ 10,000.00
Total - Waterway No.1 Construction					\$ 832,630.00
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 27,060.48
10.2	VicRoads Fees	0	%		\$ -
10.3	Traffic Management	0.5	%		\$ 4,163.15
10.4	Environmental Management	3	%		\$ 24,978.90
10.5	Survey/Design	7.5	%		\$ 62,447.25
10.6	Supervision & Project Management	5	%		\$ 41,631.50
10.7	Site Establishment	2.5	%		\$ 20,815.75
10.8	Contingency	20	%		\$ 166,526.00
Total - Waterway No.1 Delivery					\$ 347,623.03
Total - Waterway No.1					\$ 1,180,253.03

*Note - quantities are based on typical cross section for 30m width constructed waterway - Length ~ 300m

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Excavate (stripping of topsoil) to a minimum depth of 200mm and stockpile onsite for reuse.	9,070	m ²	\$ 2.00	\$ 18,140.00
1.2	Excavate to design levels as shown in the civil drawings				
1.2.1	Cut to fill	500	m ³	\$ 30.00	\$ 15,000.00
1.2.2	Cut to spoil	3,800	m ³	\$ 30.00	\$ 114,000.00
2	DRAINAGE				
3	CONCRETE WORKS				
4	ROCK WORKS				
4.1	Rock lining of pilot channel including geofab layer	2000	m ²	\$ 125.00	\$ 250,000.00
5	CLAY LINER				
6	TOPSOIL				
6.1	Respread topsoil to 200mm depth	7070	m ²	\$ 3.00	\$ 21,210.00
7	AQUATIC PLANTING				
7.1	Supply and install shallow marsh planting (600cm ³ tube, 2/m ²).		m ²		
7.2	Supply and install ephemeral planting (90cm ³ tube, 4/m ²).	2000	m ²	\$ 5.00	\$ 10,000.00
7.3	WL/SB: Supply and install heavy jute mat (800gsm) pre-slit at density 6/m ² in wetland and sediment basin, including overlap of matting (300mm longitudinally/direction of flow), 150mm vertically)	7070	m ²	\$ 10.00	\$ 70,700.00
8	LANDSCAPE				
8.1	Supply and install 3m wide shared path	0	m ²	\$ 100.00	
9	MISCELLANEOUS				
9.1	Civil Works Defects Maintenance incl pits, pipes and rockwork – 1 year	12	Month	\$ 1,000.00	\$ 12,000.00
9.2	3 months Plant Establishment maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas.	3	Month	\$ 2,000.00	\$ 6,000.00
9.3	24 month Plant Maintenance period of all soft landscape works including watering of plants and trees during establishment, weed control of all planted areas as per specification.	24	Month	\$ 750.00	\$ 18,000.00
9.4	Allowance for timber bollards	4	No	\$ 200.00	\$ 800.00
9.5	Allowance for seats	4	No	\$ 2,500.00	\$ 10,000.00
Total - Waterway No.2 Construction					\$ 545,850.00
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 17,740.13
10.2	VicRoads Fees	0	%		\$ -
10.3	Traffic Management	0.5	%		\$ 2,729.25
10.4	Environmental Management	3	%		\$ 16,375.50
10.5	Survey/Design	7.5	%		\$ 40,938.75
10.6	Supervision & Project Management	5	%		\$ 27,292.50
10.7	Site Establishment	2.5	%		\$ 13,646.25
10.8	Contingency	20	%		\$ 109,170.00
Total - Waterway No.2 Delivery					\$ 227,892.38
Total - Waterway No.2					\$ 773,742.38

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.1	Site Preperation	1	Item	\$ 2,300.00	\$ 2,300.00
1.2	Diversion works (item)	1	Item	\$ 17,250.00	\$ 17,250.00
1.3	Waterway re-shaping	1	Item	\$ 5,750.00	\$ 5,750.00
1.4	stripping of topsoil	500	m2	\$ 6.90	\$ 3,450.00
1.5	Excavation	150	m ³	\$ 86.25	\$ 12,937.50
1.6	Formation of batters	360	m ³	\$ 115.00	\$ 41,400.00
2	DRAINAGE STRUCTURE				
2.1	Box Culverts 1.5(h)x3.0(w)	18	l.m	\$ 4,500.00	\$ 81,000.00
2.2	Foundation Slab	60	m2	\$ 276.00	\$ 16,560.00
2.3	Rock, Class 3 compacted to 95% modified	60	m2	\$ 28.46	\$ 1,707.60
2.4	Apron Slab	44	m2	\$ 276.00	\$ 12,144.00
2.5	Apron wall	26	m2	\$ 690.00	\$ 17,940.00
2.6	Wing wall	30	m2	\$ 690.00	\$ 20,700.00
2.7	Endwall	30	m2	\$ 690.00	\$ 20,700.00
2.8	Rock Beaching	60	m2	\$ 143.75	\$ 8,625.00
3	ON STRUCTURE				
3.1	Pavement on top of culvert	240	m2	\$ 195.50	\$ 46,920.00
3.2	Structural Fill	150	m3	\$ 161.00	\$ 24,150.00
3.3	Vehicle Barrier	60	l.m	\$ 201.25	\$ 12,075.00
3.4	Signs	1	Item	\$ 300.00	\$ 300.00
3.5	Linemarking	30	m2	\$ 5.75	\$ 172.50
Total - Culvert No.1 (Excluding Delivery)					\$ 346,081.60
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 11,247.65
10.2	VicRoads Fees	1	%		\$ 3,460.82
10.3	Traffic Management	5.0	%		\$ 17,304.08
10.4	Environmental Management	1	%		\$ 1,730.41
10.5	Survey/Design	7.5	%		\$ 25,956.12
10.6	Supervision & Project Management	5	%		\$ 17,304.08
10.7	Site Establishment	2.5	%		\$ 8,652.04
10.8	Contingency	20	%		\$ 69,216.32
Total - Culvert No.1 Delivery					\$ 154,871.52
Total - Culvert No.1					\$ 500,953.12

Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.01	Site Preparation	1	Item	\$ 2,300.00	\$ 2,300.00
1.02	Diversion works (item)	1	Item	\$ 17,250.00	\$ 17,250.00
1.03	Waterway re-shaping	1	Item	\$ 5,750.00	\$ 5,750.00
1.04	stripping of topsoil	6,800	m2	\$ 6.90	\$ 46,920.00
1.05	Removal of existing pavement	1,800	m2	\$ 30.00	\$ 54,000.00
1.06	Removal or existing culvert and barriers	1	Item	\$ 20,000.00	\$ 20,000.00
1.07	Lift Existing power poles	2	no.	\$ 100,000.00	\$ 200,000.00
1.08	Relocate existing services	1	Item	\$ 100,000.00	\$ 100,000.00
1.09	Excavation	930	m ³	\$ 86.25	\$ 80,212.50
1.1	Formation of batters	2,000	m ³	\$ 115.00	\$ 230,000.00
2	DRAINAGE STRUCTURE				
2.1	Ø1200mm R.C. Cl. 2 Pipe Drain	76	l.m	\$ 1,500.00	\$ 114,000.00
2.2	Foundation Slab	120	m2	\$ 276.00	\$ 33,120.00
2.3	Rock, Class 3 compacted to 95% modified	120	m2	\$ 28.46	\$ 3,415.20
2.4	Apron Slab	44	m2	\$ 276.00	\$ 12,144.00
2.5	Apron wall	26	m2	\$ 690.00	\$ 17,940.00
2.6	Wing wall	30	m2	\$ 690.00	\$ 20,700.00
2.7	Endwall	30	m2	\$ 690.00	\$ 20,700.00
2.8	Rock Beaching	60	m2	\$ 143.75	\$ 8,625.00
3	ON STRUCTURE				
3.1	Pavement on top of culvert	1,800	m2	\$ 195.50	\$ 351,900.00
3.2	Structural Fill	1,010	m3	\$ 161.00	\$ 162,610.00
3.3	Vehicle Barrier	300	l.m	\$ 201.25	\$ 60,375.00
3.4	Signs	1	Item	\$ 300.00	\$ 300.00
3.5	Linemarking	120	m2	\$ 5.75	\$ 690.00
Total - Culvert No.2 (Excluding Delivery)					\$ 1,562,951.70
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 50,795.93
10.2	VicRoads Fees	1	%		\$ 15,629.52
10.3	Traffic Management	5.0	%		\$ 78,147.59
10.4	Environmental Management	1	%		\$ 7,814.76
10.5	Survey/Design	7.5	%		\$ 117,221.38
10.6	Supervision & Project Management	5	%		\$ 78,147.59
10.7	Site Establishment	2.5	%		\$ 39,073.79
10.8	Contingency	20	%		\$ 312,590.34
Total - Culvert No.2 Delivery					\$ 699,420.89
Total - Culvert No.2					\$ 2,262,372.59

Creamery Road PSP
Culvert No.3

Engineers Estimate as at 28 July 2025

*Note: WTP CU_03 Estimate Adopted



Item	Description	Quantity	Unit	Rate	Amount (\$)
1	SITWORKS & EARTHWORKS				
1.01	Site Preperation	1	Item	\$ 2,300.00	\$ 2,300.00
1.02	Diversion works (item)	1	Item	\$ 17,250.00	\$ 17,250.00
1.03	Waterway re-shaping	1	Item	\$ 5,750.00	\$ 5,750.00
1.04	stripping of topsoil	760	m2	\$ 6.90	\$ 5,244.00
1.05	Excavation	150	m ³	\$ 86.25	\$ 12,937.50
1.06	Formation of batters	500	m ³	\$ 115.00	\$ 57,500.00
2	DRAINAGE STRUCTURE				
2.1	Box Culverts 1.5(h)x3.0(w)	27	l.m	\$ 4,500.00	\$ 121,500.00
2.2	Foundation Slab	90	m2	\$ 276.00	\$ 24,840.00
2.3	Rock, Class 3 compacted to 95% modified	90	m2	\$ 28.46	\$ 2,561.40
2.4	Apron Slab	44	m2	\$ 276.00	\$ 12,144.00
2.5	Wing wall	30	m2	\$ 690.00	\$ 20,700.00
2.6	Endwall	30	m2	\$ 690.00	\$ 20,700.00
3	ON STRUCTURE				
3.1	Pavement on top of culvert	330	m2	\$ 195.50	\$ 64,515.00
3.2	Structural Fill	150	m3	\$ 161.00	\$ 24,150.00
3.3	Vehicle Barrier	60	l.m	\$ 201.25	\$ 12,075.00
3.4	Signs	1	Item	\$ 300.00	\$ 300.00
3.5	Linemarking	90	m2	\$ 5.75	\$ 517.50
Total - Culvert No.3 (Excluding Delivery)					\$ 404,984.40
10	DELIVERY				
10.1	Council Fees	3.25	%		\$ 13,161.99
10.2	VicRoads Fees	1	%		\$ 4,049.84
10.3	Traffic Management	5.0	%		\$ 20,249.22
10.4	Environmental Management	1	%		\$ 2,024.92
10.5	Survey/Design	7.5	%		\$ 30,373.83
10.6	Supervision & Project Management	5	%		\$ 20,249.22
10.7	Site Establishment	2.5	%		\$ 10,124.61
10.8	Contingency	20	%		\$ 80,996.88
Total - Culvert No.3 Delivery					\$ 181,230.52
Total - Culvert No.3					\$ 586,214.92