



<b>Table D1: Cost Estimate - Option LV02</b>					
<b>Item No.</b>	<b>Description of work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Cost</b>
<b>1. General Construction Costs</b>					
1.1	Site establishment, security fencing, facilities and disestablishment				
1.2	Provision of sediment and erosion control				
1.3	Construction setout and survey				
1.4	Work as executed survey and documentation				
1.5	Geotechnical supervision, testing and certification				
<b>SUBTOTAL (Assumed as 15% of works cost)</b>					<b>\$ 1,262</b>
<b>2. Demolition and Clearing</b>					
2.1	Clearing and grubbing	500	sq. m	11	5,400
2.2	Strip topsoil and stockpile for re-use (assuming 150mm depth)	75	cu. m	27	2,025
2.3	Dispose of excess topsoil (nominal 10% allowance)	8	cu. m	65	486
<b>SUBTOTAL</b>					<b>\$ 7,911</b>
<b>3. Excavation and earthworks</b>					
3.1	Removal of top soil and vegetation (100 mm)	50	cu. m	75	3750
3.2	Fill in embankment (could be supplied from spillway excavation if suitable)	550	cu. m	350	192500
3.3	Fuel	550	l/m <sup>3</sup>	5	2750
3.4	Compaction of new material	550	cu. m	40	22000
3.5	Allowance for removal of unsuitable material (10%)	55	cu. m	10	550
3.6	Top soil seeding	500	cu. m	30	15000
3.7	Top soil placement	500	cu. m	30	15000
3.8	Construction Management (10% of fill and compaction cost)	22100	Hrs		22100
<b>SUBTOTAL</b>					<b>\$ 273,650</b>
<b>CONSTRUCTION SUBTOTAL</b>					<b>\$ 282,823</b>
<b>4. Contingencies</b>					
4.1	50% construction cost				<b>\$ 141,411</b>
<b>CONSTRUCTION TOTAL, exc. GST</b>					<b>\$ 424,234</b>
<b>GST</b>					<b>\$ 42,423</b>
<b>CONSTRUCTION TOTAL, inc. GST</b>					<b>\$ 466,657</b>
<b>CONSTRUCTION TOTAL, rounded</b>					<b>\$ 466,700</b>