

Costs

Information - Culvert 20m of open watercourse and 15m of culvert beneath existing track.

			Q25				Q50			Q100			Q200		
	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption			fixed	£5,000		fixed	£5,000		fixed	£5,000		fixed	£5,000
2	Excavation	Excavate existing watercourse to accommodate culvert.	20	m	£500	£10,000	20	£500	£10,000	20	£500	£10,000	20	£500	£10,000
3	Excavation	Excavate line of culvert under existing track	15	m	£500	£7,500	15	£500	£7,500	15	£500	£7,500	15	£500	£7,500
4	Disposal of existing culvert				fixed	£2,500		fixed	£2,500		fixed	£2,500		fixed	£2,500
5	Filling				fixed	£4,000		fixed	£4,000		fixed	£4,000		fixed	£4,000
6	Landscaping	200m2 @£5/m2	200	m2	£50	£10,000	200	£50	£10,000	200	£50	£10,000	200	£50	£10,000
7	Temporary diversion of watercourse	On line construction, fluming required			fixed	£2,000		fixed	£2,000		fixed	£2,000		fixed	£2,000
8	Trash screen	Assumption	2	nr	£2,000	£4,000	2	£2,000	£4,000	2	£2,000	£4,000	2	£2,000	£4,000
9	Bank protection works	Riprap, coir matting, etc.	20	m	£100	£2,000	20	£100	£2,000	20	£100	£2,000	20	£100	£2,000
10	Risk contingency for garage				fixed	£5,000		fixed	£5,000		fixed	£5,000		fixed	£5,000
11	Reinstate lane surface		15	m2	£100	£1,500	15	£100	£1,500	15	£100	£1,500	15	£100	£1,500
12	Precast concrete box culvert (1.6m x 1m)	20m of open watercourse	20	m	£2,000	£40,000	20	£2,000	£40,000	20	£2,000	£40,000	20	£2,000	£40,000
13	Precast concrete box culvert (1.6m x 1m)	15m under existing track, + appropriate strenghtening	15	m	£2,000	£30,000	15	£2,000	£30,000	15	£2,000	£30,000	15	£2,000	£30,000
Sub Total						£123,500	£123,500			£123,500			£123,500		

Information - Flood bund approx 130m in length, 2m crest width, 1.1m high and 1 in 2 side slopes.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption	2,000	m2	£5	£10,000	2,400	£5	£12,000	2,800	£5	£14,000	3,200	£5	£16,000
2	Excavation	Excavate area for foundation of bund	2,000	m3	£8	£16,000	2,400	£8	£19,200	2,800	£8	£22,400	3,200	£8	£25,600
3	Disposal	Excess and unsuitable material			fixed	£2,000		fixed	£2,000		fixed	£2,000		fixed	£2,000
4	Trimming		2,000	m2	£3	£6,000	2,400	£3	£7,200	2,800	£3	£8,400	3,200	£3	£9,600
5	Bank construction	Clay core	130	m	£300	£39,000	130	330	£42,900	130	363	£47,190	130	399	£51,909
6	Landscaping & Reinstatement	Grass seeding etc.	625	m2	£15	£9,375	650	£15	£9,750	675	£15	£10,125	700	£15	£10,500
Sub Total						£82,375	£93,050			£104,115			£115,609		

Information - Channel stabilisation over 100m length.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption	1,500	m2	£5	£7,500	1,750	£5	£8,750	2,000	£5	£10,000	2,000	£5	£10,000
2	Excavation		1,500	m3	£5	£7,500	1,750	£5	£8,750	2,000	£5	£10,000	2,000	£5	£10,000
3	Trimming		2,000	m2	£3	£6,000	2,000	£3	£6,000	2,000	£3	£6,000	2,000	£3	£6,000
4	Disposal				fixed	£5,000		fixed	£5,000		fixed	£5,000		fixed	£5,000
5	Dwarf wall and handrailing	Stone clad finish	150	m	£350	£52,500	175	£350	£61,250	200	£350	£70,000	225	£350	£78,750
6	Piling	Stabilisation of RHB	150	m	£600	£90,000	150	£690	£103,500	150	£794	£119,025	150	£913	£136,879
7	Reinstatement	Reinstatement of path on RHB	250	m3	£20	£5,000	250	£20	£5,000	250	£20	£5,000	250	£20	£5,000
8	Landscaping	incl. in-channel works	500	m2	£15	£7,500	500	£15	£7,500	500	£15	£7,500	500	£15	£7,500
9	Bank Protection		300	m2	£20	£6,000	300	£20	£6,000	300	£20	£6,000	300	£20	£6,000
Sub Total						£187,000	£211,750			£238,525			£265,129		

Information - Flood embanking at CHU_00458 40m in length, 1m crest width, 0.1m/0.25m/0.7m high and 1 in 2 side slopes.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption		m2			60	£5	£300	80	£5	£400	150	£5	£750
2	Excavation	Excavate area for foundation of bund		m3			15	£8	£120	25	£8	£200	50	£8	£400
3	Disposal	Excess and unsuitable material						fixed	£400		fixed	£1,000		fixed	£1,500
4	Trimming			m2			80	£3	£240	100	£3	£300	120	£3	£360
5	Bank construction	Clay core		m			40	£35	£1,400	40	£50	£2,000	40	£140	£5,600
6	Landscaping & Reinstatement	Grass seeding etc.		m2			80	£15	£1,200	100	£15	£1,500	120	£15	£1,800
Sub Total						£0	£3,660			£5,400			£10,410		

Information - Flood embanking at CHU_00282 40m in length, 1m crest width, 0.5m/0.55m/0.6m high and 1 in 2 side slopes.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption		m2			120	£5	£600	130	£5	£650	140	£5	£700
2	Excavation	Excavate area for foundation of bund		m3			36	£8	£288	40	£8	£320	42	£8	£336
3	Disposal	Excess and unsuitable material						fixed	£5,000		fixed	£5,000		fixed	£5,000
4	Trimming			m2			130	£3	£390	140	£3	£420	150	£3	£450
5	Bank construction	Clay core		m			40	£90	£3,600	40	100	£4,000	40	110	£4,400
6	Landscaping & Reinstatement	Grass seeding etc.		m2			130	£15	£1,950	140	£15	£2,100	150	£15	£2,250
Sub Total						£0				£11,828				£12,490	£13,136

Costs - Summary

Task	Notes														
Land Purchase	Assumption	1,000	m2	£50	£50,000	1,500	£50	£75,000	2,000	£50	£100,000	2,000	£50	£100,000	
Site Investigation					£20,000			£20,000			£20,000			£20,000	
Sub total					£392,875			£443,788			£484,030			£527,784	
Contingency	% of sub total	25	%	-	£98,219	25	-	£110,947	25	-	£121,008	25	-	£131,946	
Site set-up, prelims, overheads, etc.	% of (sub total + contingency) + 10k	25	%		£108,219	25		£120,947	25		£131,008	25		£141,946	
Total					£669,313			£770,682			£856,045			£921,676	
Total £k					669.31			770.68			856.05			921.68	