

Costs

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

Task	Notes	Q25				Q50			Q100			Q200				
		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
2	Excavation	20	m	Excavate existing watercourse to accommodate culvert.	£500		£10,000	20	£500	£10,000	20	£500	£10,000	20	£500	£10,000
3	Excavation	15	m	Excavate line of culvert under existing track	£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
5	Filling						fixed	£4,000			fixed	£4,000			fixed	£4,000
6	Landscaping	200	m2	200m2 @£5/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
8	Trash screen	2	nr	Assumption	£2,000		£4,000	2	£2,000	£4,000	2	£2,000	£4,000	2	£2,000	£4,000
9	Bank protection works	20	m	Riprap, coir matting, etc.	£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
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)	20	m	20m of open watercourse	£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)	15	m	15m under existing track, + appropriate strenghtening	£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	2,000	m2	Assumption	£5	£10,000	2,400	£5	£12,000	2,800	£5	£14,000	3,200	£5	£16,000
2	Excavation	2,000	m3	Excavate area for foundation of bund	£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	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	130	m	Clay core	£300	£39,000	130	330	£42,900	130	363	£47,190	130	399	£51,909
6	Landscaping & Reinstatement	625	m2	Grass seeding etc.	£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	1,500	m2	Assumption	£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	fixed	£5,000
5	Dwarf wall and handrailing	150	m	Stone clad finish	£350	£52,500	175	£350	£61,250	200	£350	£70,000	225	£350	£78,750
6	Piling	150	m	Stabilisation of RHB	£600	£90,000	150	£690	£103,500	150	£794	£119,025	150	£913	£136,879
7	Reinstatement	250	m3	Reinstatement of path on RHB	£20	£5,000	250	£20	£5,000	250	£20	£5,000	250	£20	£5,000
8	Landscaping	500	m2	incl. in-channel works	£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		m2	Assumption		60	£5	£300	80	£5	£400	150	£5	£750	
2	Excavation		m3	Excavate area for foundation of bund		15	£8	£120	25	£8	£200	50	£8	£400	
3	Disposal			Excess and unsuitable material				fixed	£400	fixed	£1,000	fixed	£1,500	fixed	£1,500
4	Trimming		m2			80	£3	£240	100	£3	£300	120	£3	£360	
5	Bank construction		m	Clay core		40	£35	£1,400	40	£50	£2,000	40	£140	£5,600	
6	Landscaping & Reinstatement		m2	Grass seeding etc.		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	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
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					669.3125			770.682			856.045			921.675625