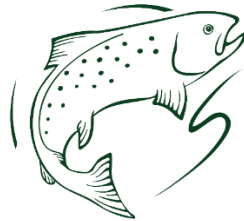


Specifications and Tender, Snake Lane Fish Passage Improvement Project

Appendix 6 – Bill of Quantities



WILD TROUT TRUST

wildtrout.org

PLEASE NOTE: This Bill of Quantities was prepared before the design amendments shown in GCA Consulting Drawings 8761, so does not reflect any changes as a result of those amendments.

Ecclesbourne at Snake Lane Weir

– Bill of Quantities and Costs

Project name: Ecclesbourne at Snake Lane Weir									
Project location: River Ecclesbourne, Snake Lane, Duffield									
Client: Wild Trout Trust									
	Initial	Rev1	Rev2	Rev3	Rev4	Rev5	Rev6	Rev7	Rev8
Date	24-03-20	12-05-20							
By	SB	SB							
Checked	GH	GH							
Approved	GH	GH							

Excavation and Fill Volumes – ALL WORKS

Volumes of infill material for channel features		
Feature	Infill volume (m³)	Material type / comments
Riffle 1	60	Riffle mix: 20%: 150-200 mm 30%: 100-150 mm 30%: 50-100 mm 20%: 20-50 mm
Rapid 2	55	Rapid mix: 30%: 500-600 mm 20%: 200-500 mm 20%: 100-200 mm 20%: 50-100 mm 10%: 20-50 mm
Rapid 3	56	Rapid mix: 30%: 500-600 mm 20%: 200-500 mm 20%: 100-200 mm 20%: 50-100 mm 10%: 20-50 mm
Rapid 4	56	Rapid mix: 30%: 500-600 mm 20%: 200-500 mm 20%: 100-200 mm 20%: 50-100 mm 10%: 20-50 mm

Rapid 5	58	Rapid mix: 30%: 500-600 mm 20%: 200-500 mm 20%: 100-200 mm 20%: 50-100 mm 10%: 20-50 mm
Bed material for between features	240	Bed material mix: 40%: 100-150 mm 30%: 80-100 mm 20%: 50-80 mm 10%: 20-50 mm

Volumes of cut / excavated material		
Feature	Cut volume (m ³)	Material type / comments
Weir notching material	20	Mixed concrete and stone to be disposed of as necessary
Excavated river bed material	300	Reuse gravel / cobble / boulder material within constructed features

Costs

Estimated costs for delivery of the whole scheme in one phase have been provided below using Spons.

Task	UoM	Quantity	Rate (£)	Total £ (exc VAT)	Comments
Contractor appointment	Days	2	█	█	Costs for tendering process
Site supervision	Days	30	█	█	Geomorphological and engineering supervision of the works as described in the Method Statement
Site setup	Days	5	£ █	█	Costs for contractor to mobilise and setup on site (including

Task	UoM	Quantity	Rate (£)	Total £ (exc VAT)	Comments
					materials e.g. fencing)
Materials – all Rapids (2 to 5)	m ³	225			Costs for rapid specifications (see above and drawings)
Materials – Riffle 1	m ³	60			Costs for gravel specifications (see above and drawings)
Materials – channel bed	m ³	240			Costs for river bed specifications (see above and drawings)
Weir notching	m ³	20			Costs for removal of weir material and disposal, including all temporary works and equipment,
Excavated river bed material	m ³	300			Costs for removal of weir material and disposal
Pumps x4	No.	4			Estimate for pump hire for duration of works.
Tree works	Number of	10			Estimated
Signage	Number of	5			Site signage (see Method Statement)
Plant	Weeks	12			Machinery to deliver the works, assumed 12 week delivery period
Labour	Weeks	12			Labour to deliver the works, assumed 12 week delivery period
Subsistence	Weeks	12			Assumed 12 week delivery period
Contractor risk costs	Percentage	20% overall cost	-		Suggested contingency for the construction works
Contingency for weir and bridge repair / stabilisation works					Suggested contingency specifically for any bridge or weir repair works
TOTAL (exc VAT)	-	-	-		

Please note these costs should be treated as a guide only and are based on industry standard cost estimates that are generic. It is likely that a large variation in costs will be provided by contractors when the project is sent out to tender. This reflects cost variation in material supply and contractor availability (and need for the work), amongst other things.