



Comhairle Contae Chorcaí
Cork County Council



OPW Oifig na
nOibreacha Poiblí
Office of Public Works

River Ilen (Skibbereen) Drainage Scheme – Levis Quay Wall

Volume C – Pricing Document



MCW0626-RPS-CD-XX-CD-Z-0004

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River Ilen (Skibbereen) Drainage Scheme –
Levis Quay Wall
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RIVER ILEN (SKIBBEREEN) DRAINAGE SCHEME – LEVIS QUAY WALL
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Prepared by	Prepared for
Tetra Tech	Cork County Council (CCC)

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SECTION 1: REQUIREMENTS FOR MEASURING AND PRICING

The Method of Measurement for Road Works referred to in the Contract shall be the 'Requirements for Measuring and Pricing', published by TII Publications (Standards) as a collective group of documents under the Construction and Commissioning activity within the TII Publications system. The version for each document is detailed by the following table:

Table 1 : Requirements for Measuring and Pricing

Document		Date
CC-RMP-00010	Introduction to the Requirements for Measuring and Pricing	April 2022
	Amendments to the Requirements for Measuring and Pricing	Amended
CC-RMP-00100	Preliminaries	Amended
CC-RMP-00200	Site Clearance	January 2019
CC-RMP-00300	Fencing and Environmental Noise Barriers	January 2019
CC-RMP-00400	Road Restraint Systems (Vehicle and Pedestrian)	June 2020
CC-RMP-00500	Drainage and Service Ducts	Amended
CC-RMP-00600	Earthworks	Amended
CC-RMP-00700	Pavements	January 2019
CC-RMP-01100	Kerbs, Footways and Paved Areas	Amended
CC-RMP-01200	Traffic Signs and Road Markings	January 2019
CC-RMP-01300	Road Lighting Columns and Brackets	January 2019
CC-RMP-01400	Electrical Work for Road Lighting and Traffic Signs	January 2019
CC-RMP-01500	Motorway Communications	January 2019
CC-RMP-01600	Piling and Embedded Retaining Walls	January 2019
CC-RMP-01700	Structural Concrete	January 2019
CC-RMP-01800	Structural Steelwork	January 2019
CC-RMP-01900	Protection of Steelwork Against Corrosion	October 2016
CC-RMP-02000	Waterproofing for Structures	April 2019
CC-RMP-02100	Bridge Bearings	January 2019
CC-RMP-02300	Bridge Expansion Joints and Sealing of Gaps	January 2019
CC-RMP-02400	Brickwork, Blockwork and Stonework	Amended
CC-RMP-02500	Special Structures	October 2016
CC-RMP-02700	Watermains, Utilities and Accommodation Works	January 2019
CC-RMP-02800	Trenchless Installation of Road Drainage & Service Ducts	January 2019
CC-RMP-02900	CCTV Survey of Road Drainage Systems	Amended

SECTION 2: PREAMBLES TO BILL OF QUANTITIES

- General Directions**
- 1 The Requirements for Measuring and Pricing (RMP) in TII Publications (Standards) is published as a collective group of documents under the Construction and Commissioning activity within the TII Publications system. The Bill of Quantities has been prepared in accordance with the RMP.
 - 2 In the Bill of Quantities, the sub-headings and item descriptions identify the work covered by the respective items, read in conjunction with the matters listed against the relevant marginal headings "Item Coverage" in the different parts of the RMP, these Preambles and the amendments to the RMP immediately following these Preambles. The nature and extent of the work is to be ascertained by reference to the Works Requirements and Contract Conditions. The rates and prices entered in the Bill of Quantities shall be deemed to be the full inclusive value of the work covered by the several items including the following, unless expressly stated otherwise:
 - (i) Labour and costs in connection therewith.
 - (ii) The supply of materials, goods, storage and costs in connection therewith including delivery to Site. Taking delivery of materials and goods supplied by others, unloading, storage, and costs in connection therewith.
 - (iii) Plant and costs in connection therewith.
 - (iv) Fixing, erecting and installing or placing of materials and goods in position.
 - (v) Temporary Works.
 - (vi) The effect on the phasing of the Works or any element of the Works to the extent set forth or reasonably implied in the documents on which the tender is based.
 - (vii) General obligations, liabilities and risks involved in the execution of the Works set forth or reasonably implied in the documents on which the tender is based (The provision of insurances and bonds are deemed to be general obligations).
 - (viii) Establishment charges, overheads and profit.
 - (ix) Waste
 - (x) Attendance and transport for sampling and testing carried out by the Employer's Representative, tests carried out by the Contractor in accordance with the particular requirements of Appendix 1/5, supplying results of tests carried out by the Contractor and providing test certificates.
 - (xi) Supply and delivery of samples to the Employer's Representative in accordance with the particular requirements of Appendix 1/6.
 - (xii) Complying with Quality Assurance schemes and providing certificates of conformity.
 - (xiii) Preparation and supply of detailed working drawings.
 - (xiv) Awaiting approvals and or consents.

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- (xv) Complying with all Legal Requirements and ensure that the Contractor's Personnel comply with all Legal Requirements, including but not limited to those environmental, archaeological and health and safety requirements as set out in the Works Requirements and Contract Conditions.

Measurement	3	(i) The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP. (ii) Where the tender documents provide for the Contractor to select the type of buried structure (where the structure is not within Designated Outlines) to be constructed then the measurement of all work in each area so affected shall be based upon the thinnest pavement construction and surfacing over structures permitted by the Contract in that area for the particular type of buried structure the Contractor has elected to construct.
Pricing of Items	4	(i) Each individual item shall have a rate or price entered against it. Rates and prices shall be expressed to two decimal places. (ii) Reserved Sums and Contract Sums for Specialists will be provided by the Contracting Authority. (iii) Prices entered for attendances and management of specialist works will remain as tendered, even after the Reserved Sums are replaced with actual sums following tendering of the specialist works. These prices may not be less than zero.
Alternative Specified Materials, Designs and Options Within Types of Pavement	5	Not used
Privately and Publicly Owned Services or Supplies	6	The information in the Contract as to the whereabouts of existing services and mains is believed to be correct but the Contractor shall not be relieved thereby of his obligations under the Contract. The Contractor shall include in his rates and prices for locating and taking measures for the support and full protection of pipes, cables and other apparatus during the progress of the Works, obtaining the written consent of the appropriate authority to interrupt the service or supply and for keeping the Employer's Representative informed of all arrangements he makes with the owners of privately owned services or supplies, Statutory Undertakers and Public Authorities as appropriate.
Labours	7	Not used

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Roadworks Overall Requirements	8	The Contractor shall allow in his rates and prices for complying with requirements in respect of pavement construction, horizontal alignments, surface levels and surface regularity of pavement courses, cold weather working, use of surfaces by traffic and construction plant, and general requirements for sub-bases and bases.
Work Within and Below Any Water Condition	9	The Contractor shall allow in his prices for any items of structures designed by the Contractor provided under CC-RMP-02500, for taking measures required to execute work in any condition where there is a presence of any type of water.
Dealing with Flow	10	The Contractor shall allow in his rates and prices for taking measures to deal with the existing flow of water, sewage and the like.
	11	Not used
Site Limitations and Constraints	12	The Contractor shall allow in his rates and prices for complying with any limitations and constraints on the use of the Site.
Hard Material	13	For the purposes of the Contract the following are designated as Hard Material in accordance with Section 2 Definitions, paragraph 1(h)(i) and (ii): a) rock; which requires the use of blasting, breakers or splitters for its removal but excluding individual masses less than 0.20 cubic metres; b) those deposits designated by limits shown on the Drawings; c) existing pavements, footways, paved areas (but excluding unbound materials) and foundations in masses in excess of 0.20 cubic metres.
Equivalent Products and Materials	14	(i) Where the Contractor offers an equivalent product or material in place of the one identified or specified, which is accepted for incorporation into the Works by the Employer's Representative, then the rates and prices in the Bill of Quantities shall be deemed to include for all the obligations and costs associated with the incorporation of the equivalent into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works. (ii) Unless specifically stated to the contrary in the Contract the measurement of the Works affected by the incorporation of the equivalent products and materials shall be based on the Tender documents and not on the Works as amended and completed to incorporate the equivalent products and materials.

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Permanent Works Designed by the Contractor	15	Where the Contract requires part(s) of the Works to be designed by the Contractor, the rates and prices in the Bill of Quantities shall include for all the obligations and costs associated with the incorporation of the Contractor's design into the Works, including design, provision of data and drawings, certificates, awaiting approvals, resubmissions and modifications and amendments to the Works.
Structures Designed by the Contractor	16	Earthworks within the Designated Outlines shall not be included by the Employer in the earthworks schedules.
Alterations for Road Authorities	17	Not Used
Amendments to the Requirements for Measuring and Pricing	18	Amendments to the Requirements for Measuring and Pricing are included in Section 3 of this document.

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SECTION 3: AMENDMENTS TO THE REQUIREMENTS FOR MEASURING AND PRICING

Note: Contrary to Paragraph 1 of Section 4 Preparation of Bill of Quantities of CC-RMP-00010 the sub-division of this document is not totally in compliance with Table 1 in that the Roadworks and Structures elements of the Works are not sub-divided. The Headings have been amended as follows:

Level 1 Division	Level 2 Construction Headings	Level 3 Headings
(i) Preliminaries	Preliminaries	CC-RMP-00100 - Preliminaries
(ii) Structures	Levis Quay Wall	CC-RMP-00200 - Site Clearance
		CC-RMP-00300 - Fencing and Environmental Noise Barriers
		CC-RMP-00400 - Road Restraint Systems (Vehicle and Pedestrian)
		CC-RMP-00500 - Drainage and Service Ducts
		CC-RMP-00600 - Earthworks
		CC-RMP-01100 - Kerbs, Footways and Paved Areas
		CC-RMP-01600 - Piling and Embedded Retaining Walls
		CC-RMP-01700 – Structural Concrete
		CC-RMP-01800 – Structural Steelwork
		CC-RMP-02000 – Waterproofing for Structures
		CC-RMP-02300 – Bridge Expansion Joints and Sealing of Gaps
		CC-RMP-02400 – Brickwork, Blockwork and Stonework
		CC-RMP-02500 – Special Structures

CC-RMP-00100 – PRELIMINARIES

Amend Paragraph 30 Item Coverage item (s):

- (s) completion of a Stage 3 Road Safety Audit on the proposed Traffic Management measures prior to opening to general traffic;

Add the following to Paragraph 30 after item (s):

- | | | |
|--------------------------------------|-----------|---|
| Traffic Safety and Management | 30 | <ul style="list-style-type: none"> (t) design of stop/go arrangement specified in the Contract; (u) provision and operation of stop/go arrangement; |
|--------------------------------------|-----------|---|

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- (b) liaison with the Employer's Representative, relevant Public Authority, statutory and other bodies as necessary with respect to the development of their requirements including mitigation;
- (c) provision of all suitably qualified technical and environmental personnel (including but not limited to Contractor's Site Representative (CSR), Contractor's Environmental Manager (CEM), Contractor's Site Ecologist (CSE)) to support and advise in the development and operation of the CEMP;
- (d) production of the CEMP within 28 days of the Contract Date and submission to the Employers Representative;
- (e) amending and updating the CEMP as required;
- (f) the carrying out of all measures required under the CEMP and the Works Requirements;
- (g) all costs and losses arising out of delays and hindrances to the Works as a result of such compliance and all costs associated therewith;
- (h) ongoing liaison as necessary and review and revision of mitigation measures where necessary to ensure continuing compliance with all the requirements and commitments set out or reasonably implied in the plan and the Works Requirements;
- (i) monthly audits of works by suitably qualified technical and environmental personnel to check compliance with CEMP;
- (j) carrying out of all measures to remedy/mitigate any audit findings identified in (i);
- (k) all revisions to the CEMP as required and a final copy following the end of the Defects Period.

Contractor's Archaeological Consultant

Units	86	The unit of measurement shall be:
		(i) Contractor's Archaeological Consultant.....item
Measurement	87	Contractor's Archaeological Consultant shall be measured once only.
Itemisation	88	One item shall be provided for Contractor's Archaeological Consultant in accordance with Section 3 of CC-RMP-00010, paragraphs 3 and 4 and the following:
		Group Feature
		I 1 Contractor's Archaeological Consultant

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Contractor's Archaeological Consultant	89	The Items for the Contractor's Archaeological Consultant shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(a) Provision of suitably qualified Archaeologist, with a monitoring /excavation licence from National Monuments Service, to undertake any necessary archaeological assessment within the Area Provided by the Employer including but not limited to, monitoring, test excavations and/or excavations, including underwater monitoring and/or excavation, or any other investigations during the execution of the Works in accordance with Appendix 1/32; (b) Obtaining quotes for and engaging a licenced Archaeologist, approved by the Employer's Representative, to complete monitoring, and investigation and recovery works, for all excavations required as part of the Works; (c) Engaging an Archaeologist to complete site monitoring, site investigations, findings report and any other duties that may be required. The Contractor will be responsible for payment of all fees and charges associated with the Archaeologist and any licences and consents required to complete the monitoring and investigation works; (d) Consultation and liaison with the Archaeologist as necessary, particularly in respect of the timing or phasing of the Works and furnishing such details as the Employer's Representative or Archaeologist may require; (e) Restrictions of and hindrances to the Works arising from the activities of other Contractors who are engaged in alteration, renewals, provisions for future requirements or other Works authorised by the Employer's Representative, or requested by the Archaeologist, in respect of the Services or Undertakings belonging to the Archaeologist on or in the vicinity of the site; (f) Ascertainment of and compliance with all requirements of the Archaeologist in respects of Accommodation Works involving or affecting their services or undertakings; (g) All losses arising from the activities of the archaeologist including but not limited to attendances, materials, delays and loss of production during both monitoring and investigation works by the Archaeologist; (h) Excavations to ascertain the locations of underground services including excavations by hand and the provision of working space; (i) Compliance with the relevant Clauses of the Conditions of Contract; (j) Attendance including working outside of normal working hours, lighting, traffic control, signing and backfilling with approved material for the Archaeologist;

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- (k) Support and protection of pipes, cables, plant, equipment, and other apparatus during the progress of the Works;
- (l) Awaiting Employer's Representative and or the Archaeologists consent to proposals;
- (m) Keeping the Employer's Representative and the Archaeologist informed of arrangements made with the owners of public and privately owned services.

Noise and Vibration Monitoring

Units	90	The unit of measurement shall be:
		(i) Noise monitoring.....item
		(ii) Vibration monitoring.....item

Measurement	91	Noise monitoring shall be measured once only. Vibration monitoring shall be measured once only.
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Itemisation	92	Separate items shall be provided for noise and vibration monitoring in accordance with Section 3 of CC-RMP-00010, paragraphs 3 and 4 and the following:
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Group Feature

- | | | |
|---|---|----------------------|
| I | 1 | Noise monitoring |
| | 2 | Vibration monitoring |

Noise and Vibration Monitoring	93	The Items for the noise and vibration monitoring shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		(a) setting up necessary monitoring stations;
		(b) setting up, operating and maintaining instruments and apparatus;
		(c) taking readings, measurements and observations;
		(d) preparation and supply of record sheets;
		(e) taking mitigation measures as necessary.

Invasive Species Management and Treatment

Units	94	The unit of measurement shall be:
		(i) Invasive Species Management and Treatment.....item.

Measurement	95	The measurement of the invasive species management and treatment shall be in respect of the complete measures for the management and treatment of invasive species encountered within and adjacent to the site extents and shall be measured once only.
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Itemisation **96** Separate items shall be provided for invasive species management and treatment in accordance with Section 3 of CC-RMP-00010, paragraphs 3 and 4 and the following:

Group Feature

I	1	Invasive Species Management and Treatment
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Invasive Species Management and Treatment

97 The Items for the invasive species management and treatment shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage

- (a) preparing, updating and submitting plans, method statements, risk assessments and reports regarding the management and treatment of invasive species to the Employer's Representative, NPWS, Cork County Council and other relevant authorities;
- (b) undertaking environmental and invasive species surveys in accordance with the specification;
- (c) undertaking the requirements of the Contractor's Site Ecologist;
- (d) undertaking noise and vibration monitoring in accordance with Appendix 1/9;
- (e) undertaking soil sampling in accordance with Appendix 6/2;
- (f) invasive species management in compliance with the specification;
- (g) Everything necessary for the management and treatment of invasive species to the satisfaction of the Employer's Representative.

CC-RMP-00500 – DRAINAGE AND SERVICE DUCTS

Add the following to the note at the end of Paragraphs 11 and 17:

The adjustment rate shall be limited to a maximum of 1% of the original rate.

Replace the item (v) of Paragraph 12 with the following:

- (v) re-instatement of paved areas to Appendix 7/2 (CC-RMP-00700 paragraph 36);

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CC-RMP-00600 - EARTHWORKS

Add the following note before Paragraph 1:

For the purposes of CC-RMP-00600, the terminology has been updated in line with the September 2024 revisions to CC-SPW-00600. The former terms below are amended to read as the revised terms stated. Where the former terms appear anywhere in CC-RMP-00600, the revised terms shall apply.

Term in 2019 revision (Former term)	Term in 2024 revision (Revised term)
Acceptable material	Compliant material
Unacceptable material Class U1	Non-compliant material
Unacceptable material Class U2	Unacceptable material
Disposal	Removal off Site or Reuse or removal off Site

Amend Paragraph 39 Item Coverage item (e):

- (e) special measures for dealing with materials from swamps, marshes and bogs;

Add the following to Paragraph 39 after item (e):

Disposal of Material 39

- (f) obtaining all necessary approvals, permissions, consents, permits, licences and the like;
- (g) payment of all fees, charges, levies and the like.

Add the following new Paragraphs:

Block Stone Revetment

Units	185	The unit of measurement shall be:								
		(i) Block stone revetment_____cubic metre								
Measurement	186	The measurement of block stone revetment shall be the volume of the void filled with the block stones to the outline stated in the Contract. The cutting height shall be defined as the difference in level between the toe of the new river bank and the adjacent river bank level.								
Itemisation	187	Separate items shall be provided for block stone revetment in accordance with Section 3 of CC-RMP-00010, paragraphs 3 and 4 and the following: <table><tr><th>Group</th><th>Feature</th></tr><tr><td>I</td><td>1 Block stone revetment</td></tr><tr><td>II</td><td>1 Cutting height 0-3m</td></tr><tr><td></td><td>2 Cutting height 3-6m</td></tr></table>	Group	Feature	I	1 Block stone revetment	II	1 Cutting height 0-3m		2 Cutting height 3-6m
Group	Feature									
I	1 Block stone revetment									
II	1 Cutting height 0-3m									
	2 Cutting height 3-6m									

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	III	1	Installed at 10 degrees or less to the horizontal
		2	Installed at more than 10 degrees to the horizontal
Block Stone Revetment	188	The items for block stone revetment shall in accordance with the Preambles to Bill of Quantities General Directions include for:	
Item Coverage	(a)	Excavation (CC-RMP-00600 paragraphs 17 - 23);	
	(b)	Backfilling and compaction;	
	(c)	Disposal of material (CC-RMP-00600 paragraph 39);	
	(d)	Imported fill (CC-RMP-00600 paragraph 45);	
	(e)	Concrete (CC-RMP-01700 paragraphs 4 and 9);	
	(f)	Selection of various materials for block stone revetment;	
	(g)	Protection of the geotextile layer during placing of the rock and granular material;	
	(h)	Filling of voids between rock elements and geotextile layer with granular material, Type 6N, and for packing with bars or other approved means to ensure good compaction;	
	(i)	Filling the voids and ledges on the exposed face with topsoil;	
	(j)	Trimming and shaping to required levels and contours;	
	(k)	Keeping earthworks free of water;	
	(l)	Waiting for frozen materials to thaw;	
	(m)	Building in pipes.	

CC-RMP-01100 KERBS, FOOTWAYS AND PAVED AREAS

Add the following new Paragraphs:

Cleaning and Removal of Vegetation and Debris from Existing Pavement

Units	34	The unit of measurement shall be:	
	(i)	Cleaning and removal of vegetation and debris from existing pavement.....square metre	
Measurement	35	The measurement of cleaning and removal of vegetation and debris from existing pavement shall be the surface area of pavement to be cleaned.	
Itemisation	36	Separate items shall be provided for cleaning and removal of vegetation and debris from existing pavement in accordance with Section 3 of CC-RMP-00010, paragraphs 3 and 4 and the following:	
	Group	Feature	
	I	1	Cleaning and removal of vegetation and debris from existing pavement
	II	1	Surfaces at 10 degrees or less to the horizontal

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2 Surfaces at more than 10 degrees to the horizontal

**Cleaning and Removal of 37
Vegetation and Debris
from Existing Pavement**

The items for cleaning and removal of vegetation and debris from existing pavement shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage

- (a) powerwashing;
- (b) re-sanding existing pavement;
- (c) demolition, breaking up and removal;
- (d) disposal of material (CC-RMP-00600 paragraph 39).

CC-RMP-02400 BRICKWORK, BLOCKWORK AND STONework

Amend Paragraph 8 Item Coverage item (t):

- (t) construction of foundations;

Add the following to Paragraph 8 after item (t):

**Blockwork, Stonework, Copings,
String Courses and the Like,
Individual Blocks, Features or Stones**

- | | |
|----------|--|
| 8 | (u) construction joints (whether or not shown on the drawings in the Contract), water bars and stops including formwork; |
| | (v) weep pipes, pipe sleeves and the like. |

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SECTION 4: BILL OF QUANTITIES

[illegible]

[illegible]

Item	Description	Unit	Quantity	Rate	Amount
	Part Summary CC-RMP-00100 Page 1 CC-RMP-00100 Page 2				
	CC-RMP-00100 Page 3	To Grand Summary			

Item	Description	Unit	Quantity	Rate	Amount
	CC-RMP-00100: Preliminaries				
	Special Preliminaries				
1	Haul roads along easement to access north side of the river	item	1		
2	Means of crossing the river	item	1		
3	Temporary working platform on the southern side of the river adjacent to the proposed works	item	1		
	CC-RMP-00200 - General Site Clearance				
	Site Clearance				
4	General site clearance	ha	0.002		
	Demolition of individual or groups of building or structures				
	Note: In accordance with Appendix 2/1 the following items shall include for demolition down to the underside of foundation				
5	Cantilever; ch. 38.5 - 55; ES-02	item	1		
6	Cantilever; ch. 5 - 31.5; ES-03	item	1		
7	Timber columns; ch. 05 - 31.5; ES-04	item	1		
8	Timber structure; ch. 05 - 31.5; ES-05	item	1		
	Partial demolition of individual structures				
	Note: In accordance with Appendix 2/1 the following items shall include for demolition down to the underside of foundation				
9	Sheet piled wall and capping; exposed reinforcement treated with Zincrich primer or equivalent; Ch. 0 of existing wall; W-01	item	1		
10	Sheet piled wall, capping beam and fascia panels; exposed reinforcement treated with Zincrich primer or equivalent; Ch. 0 of existing wall; W-02	item	1		
11	Sheet piled wall; one full pile and corner pile; Ch. -5	item	1		
12	Concrete wall to below pavers; Ch. 0 to 56 of existing wall	item	1		
	Take up or down and Tip off Site; as per Appendix 2/3				
13	Pedestrian parapet; FG-01	m	62		
14	Pedestrian parapet; FG-02	m	4		
15	Metal deck on cantilever; ch. 38 - 55	m2	34		
16	Metal deck on cantilever; ch. 4 - 32	m2	47		
17	Handrail	m	69		
	CC-RMP-00400 - Road Restraint Systems (Vehicle and Pedestrians)				
	Pedestrian Parapets, Pedestrian Guardrails and Handrails				
18	Bespoke glazed pedestrian parapet; glass flood wall; 1.1m high; to top of new sheetpiled wall; as per Drawing No. MCW0626-RPS-DG-XX-DR-C-0008, MCW0626-RPS-DG-XX-DR-C-0010, MCW0626-RPS-DG-XX-DR-C-0011, MCW0626-RPS-DG-XX-DR-C-0012 and Appendix 4/2	m	62		
	Levis Quay Wall Page 1	To Part Summary			

Item	Description	Unit	Quantity	Rate	Amount
CC-RMP-00500 - Drainage and Service Ducts					
Drains or sewers; surrounded in pea gravel and wrapped in geotextile; depth to invert exceeding 2m but not exceeding 4m; as per Drawing No.s MCW0626-RPS-DG-XX-DR-C-0008, MCW0626-RPS-DG-XX-DR-C-0010 and Detail SCD 01 Drawing No. MCW0626-RPS-DG-XX-DR-C-0011					
1	225mm diameter perforated pipe; average depth 2.493m	m	60		
Drains or sewers; surrounded in ST2 concrete; depth to invert exceeding 2m but not exceeding 4m; as per Drawing No.s MCW0626-RPS-DG-XX-DR-C-0008, MCW0626-RPS-DG-XX-DR-C-0010 and Detail SCD 05 Drawing No. MCW0626-RPS-DG-XX-DR-C-0011					
2	150mm diameter pipe; average depth to invert 2.493m	m	18		
3	Extra over for non-return valve as per Appendix 5/9	no	3		
4	225mm diameter pipe; average depth to invert 2.493m	m	9		
5	Extra over for non-return valve as per Appendix 5/9	no	4		
Service ducts; depths to invert not exceeding 2m; as per CC-SCD-00562 Type C					
6	2 No. 100mm ducts; average depth to invert 0.85	m	58		
Connections					
7	Connetion to existing 100mm drainage pipe; from new 225mm diameter back of wall drainage pipe; depth to invert exceeding 2m but not exceeding 4m	no	2		
8	Connetion to existing 150mm drainage pipe; from new 225mm diameter back of wall drainage pipe; depth to invert exceeding 2m but not exceeding 4m	no	2		
9	Connetion to existing 150mm drainage pipe; from new in-line non-return valve; depth to invert exceeding 2m but not exceeding 4m	no	3		
10	Connetion to existing 200mm drainage pipe; from new 225mm diameter back of wall drainage pipe; depth to invert exceeding 2m but not exceeding 4m	no	1		
11	Connetion to existing 225mm drainage pipe; from new in-line non-return valve; depth to invert exceeding 2m but not exceeding 4m	no	2		
Chambers and Gullies					
Chambers					
12	Type C - 1050mm diameter; D400 cover; solid cover; depth to invert exceeding 2m but not exceeding 3m; as per CC-SCD-00504	no	2		
13	600 x 600mm internal dimensions; grade B cover and frame; solid cover; depth to invert exceeding 1m but not exceeding 2m; as per "Cable Access Chamber and Ducting Trench Detail" Drawing No. MCW0626-RPS-DG-XX-DR-C-0011	no	2		
CC-RMP-00600 - Earthworks					
Excavation					
14	Unacceptable material Class U1; cutting and other excavation	m3	27		
15	Unacceptable material Class U1; structural foundations	m3	6		
Disposal of Material					
16	Unacceptable material Class U1	m3	33		
Excavation in Hard Material					
17	Extra over excavation for excavation in Hard Material; cutting and other excavation	m3	33		
Imported fill					
18	Imported topsoil Class 5B	m3	6		
Imported fill; Imported acceptable material					
19	Class 6A fill; embankments and other areas of fill; behind new sheetpiled wall	m3	609		
20	Class 6N fill; embankments and other areas of fill; block stone revetments	m3	7		
21	Washed cleaned round stone; 10-100mm; embankments and other areas of fill; 300mm river bed material	m3	3		
Levis Quay Wall Page 2		To Part Summary			

Item	Description	Unit	Quantity	Rate	Amount
CC-RMP-00600 - Earthworks (Continued)					
Compaction of Fill; Acceptable Materials					
1	Class 6A fill; embankments and other areas of fill; behind new sheetpiled wall	m3	609		
2	Class 6N fill; embankments and other areas of fill; block stone revetments	m3	7		
3	Washed cleaned round stone; 10-100mm; embankments and other areas of fill; 300mm river bed material	m3	3		
Geotextiles					
4	Geotextiles; Terram 1000 or equivalent; as per Appendix 6/5	m2	31		
Topsoiling and Storage of Topsoil					
Topsoiling					
5	300mm thick; surfaces sloping at 10° or less to the horizontal	m2	18		
Grass Seeding and Turfing					
6	Grass seeding; Surfaces sloping at 10° or less to the horizontal; General grass mixture	m2	18		
Block Stone Revetments					
7	Block stone revetment; cutting height 0-3m; installed at more than 10 degrees to the horizontal; as per Detail SCD 03 Drawing No. MCW0626-RPS-DG-XX-DR-C-0011	m3	8		
CC-RMP-01100 - Kerbs , Footways and Paved Areas					
Linear Drainage Systems; as per Appendix 5/6					
8	Linear Drainage Channel; ACO Multi-Drain M100D No. 30 or equivalent; minimum internal drainage cross-section 135 x 300mm; medium duty strength class cover	m	65		
Footways and Paved Areas; surfaces sloping at 10 degrees or less to the horizontal					
9	Cobblelock Paving; on 50mm thick compacted sand; on 150mm thick granular sub-base material type B; as per CC-SCD-01106; to match existing	m2	138		
10	Cobblelock Paving; soldier course; on 50mm thick compacted sand; on existing concrete wall; to match existing	m2	17		
11	Cobblelock Paving; on 50mm thick compacted sand; on 100mm thick lean mix concrete; to match existing	m2	31		
Cleaning and Removal of Vegetation and Debris from Existing Pavement					
12	Cleaning and removal of vegetation and debris from existing pavement; surfaces at 10 degrees or less to the horizontal	m2	125		
Levis Quay Wall Page 3		To Part Summary			

Item	Description	Unit	Quantity	Rate	Amount
	CC-RMP-01600: Piling and Embedded Retaining Wall				
1	Establishment of piling plant Establishment of piling plant; steel sheet piling; AZ-28-700 sheet piles; main piles; Levis Quay Wall	Item	1		
2	Steel Sheet Piles; in main Construction; double piles; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m2	1,000		
3	Extra Over on Steel Sheet Piles; in main Construction; including sealing between piles with factory applied sealant Corner sheet piles; Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	40		
4	Junction sheet piles; Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	27		
5	Steel Sheet Piles; Driving; in main Construction; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m2	997		
6	Extra over on Driving Steel Sheet Piles; in main Construction; including sealing between piles with factory applied sealant Corner sheet piles; Hot rolled double piles; piles exceeding 10m in length but not exceeding 15m	m	39		
7	Junction sheet piles; Hot rolled double piles; piles exceeding 10m in length but not exceeding 15m	m	26		
8	Extra over for exposing and connecting to existing pile	item	1		
9	Lengthening Pieces to Steel Sheet Piles; in main Construction; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m2	135		
10	Extra over on Lengthening Pieces to Steel Sheet Piles; in main Construction; including sealing between piles with factory applied sealant Corner sheet piles; Hot rolled double piles; piles exceeding 10m in length but not exceeding 15m	m	6		
11	Junction sheet piles; Hot rolled double piles; piles exceeding 10m in length but not exceeding 15m	m	4		
12	Lengthening Pieces to Steel Sheet Piles; Driving; in main Construction; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m2	135		
13	Extra over on Driving Lengthening Pieces to Steel Sheet Piles; in main Construction; including sealing between piles with factory applied sealant Corner sheet piles; Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	6		
14	Junction sheet piles; Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	4		
15	Lengthening Pieces to Steel Sheet Piles; Welding on lengthening pieces; in main Construction; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	67		
16	Cutting or burning off surplus; in main Construction; including sealing between piles with factory applied sealant Hot rolled double piles; Ref. AZ-28-700; piles exceeding 10m in length but not exceeding 15m	m	67		
17	Extra Over Sheet Piles Extra over for shear studs welded to sheet piles; Type SD1 to EN ISO 13918	no	212		
	Levis Quay Wall Page 4	To Part Summary			

Item	Description	Unit	Quantity	Rate	Amount
CC-RMP-01700 - Structural Concrete					
In situ concrete					
1	Foundation for wall; mix ST1; blinding concrete; 50mm thick	m3	1		
2	Capping beam and upstands; C40/50 with 50% GGBS (CEM III/A)	m3	32		
3	to close gap between sheet piles and existing wall; C30/37 watertight concrete with waterproofing admixture	m3	16		
4	Grout curtain; 30N high flow neat (CEM I) cement-grout; as per Clause 3001AR and Drawing No. MCW0626-RPS-DG-XX-DR-C-0009	m3	43		
5	Extra over for grout holes through wall	item	1		
6	Foundation for wall; Class C25/30; as per CC-SCD-02404	m3	2		
7	RC footing; Class C40/50; as per "Section @ Ch. -2m - L07" Drawing No. MCW0626-RPS-DG-XX-DR-C-0010	m3	1		
8	Concrete infill; Class C40/50; as per "Section @ Ch. -2m - L07" Drawing No. MCW0626-RPS-DG-XX-DR-C-0010	m3	1		
Precast Concrete; C40/50 with 50% GGBS (CEM III/A)					
9	Precast facing units; masonry faced fascia panels with M20 threaded anchor bolts at 1400mm horizontal centres; as per "Detail SCD 01" Drawing No. MCW0626-RPS-DG-XX-DR-C-0011	m2	266		
Surface finish of concrete; formwork					
10	F4 finish; vertical more than 300mm wide	m2	48		
11	F1 finish; vertical more than 300mm wide	m2	27		
12	F4 finish; 300mm wide or less at any inclination	m2	21		
13	F1 finish; 300mm wide or less at any inclination	m2	7		
Steel Reinforcement for Structures					
Bar reinforcement; Grade B500B; bars not exceeding 12 metres in length					
14	nominal size 16 mm and under	t	3.831		
15	Extra over for coring reinforcement through sheet piles	item	1		
Fabric Reinforcement					
16	Fabric reinforcement; BS4483; Ref. A393	m2	9		
Dowels					
17	S16 stainless steel rebar dowel; 530mm long	no	4		
18	S16 stainless steel rebar dowel; 600mm long	no	31		
CC-RMP-01800 Structural Steelwork					
Fabrication and Erection of Steelwork					
Fabrication of Steelwork; steel grade S275 as per appendix 18/1					
19	Main members; plated girders; main beam; 203 x 203 x 46mm UC; as per Detail SCD 05 Drawing No. MCW0626-RPS-DG-XX-DR-C	t	0.510		
Erection of Steelwork					
20	Permanent erection; plated girders	t	0.510		
21	Extra over for welding to back of sheet piles; 203 x 203 x 46mm UC 2.0m long; as per Detail SCD 05 Drawing No. MCW0626-RPS-DG-XX-DR-C	no	7		
CC-RMP-02000 - Waterproofing for Structures					
22	Surface Impregnation; plain surfaces; hydrophobic pore liner	m2	92		
23	Surface impregnation and coatings of concrete; plain surfaces; anti-graffiti coating	m2	92		
Levis Quay Wall Page 5		To Part Summary			

Item	Description	Unit	Quantity	Rate	Amount
CC-RMP-02300 - Bridge Expansion Joints and Sealing of Gaps					
Sealing of Gaps					
Joint filler; two compressible backer rod; 20mm thick; as per Detail SCD 02 Drawing No. MCW0626-RPS-DG-XX-DR-C-0011					
1	between precast wall and existing RC bridge abutment	m2	1		
2	between precast wall and existing wall	m2	1		
Joint filler; compressible fillers; 12mm thick; as per CC-SCD-02404					
3	between stonework joints	m2	3		
Joint filler; expandable polyurethane grout; 300mm thick					
4	ends of grout curtain and existing flood wall face	m2	22		
Joint sealant; two part polysulphide sealant; 20mm thick; as per Detail SCD 02 Drawing No. MCW0626-RPS-DG-XX-DR-C-0011					
5	between precast wall and existing RC bridge abutment	m	9		
6	between precast wall and existing wall	m	8		
Joint sealant; two part polysulphide sealant; 25mm thick					
7	between cap beams	m	21		
Joint sealant; Polysulphide seal; 12mm thick					
8	between stonework joints	m	11		
CC-RMP-02400: Brickwork, Blockwork and Stonework					
Blockwork wall; solid concrete blocks; bedded in designation (ii) mortar; as per CC-SCD-02404					
9	In walls	m3	2		
Natural Stonework; sandstone; bedded in designation (iii) mortar; as per CC-SCD-02404					
10	In walls	m3	8		
11	Extra over for fantail at end of wall	item	1		
12	450 x 250mm rounded coping to wall	m	7		
Natural Stonework; sandstone; bedded in designation (i) mortar					
13	In walls; with stainless steel ties; to inside face of sheet piled wall	m3	1		
14	In facework to concrete; with stainless steel ties; to precast concrete panels	m3	14		
CC-RMP-02500 - Special Structures					
15	Special structures designed by the Contractor; other structures; canopy; as per Drawing No. MCW0626-RPS-DG-XX-DR-C-0008 and Appendix 1/15	item	1		
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Item	Description	Unit	Quantity	Rate	Amount
	Part Summary Levis Quay Wall Page 1 Levis Quay Wall Page 2 Levis Quay Wall Page 3 Levis Quay Wall Page 4 Levis Quay Wall Page 5 Levis Quay Wall Page 6				
	Levis Quay Wall Page 7	To Grand Summary			



River Ilen (Skibbereen) Drainage Scheme -
Levis Quay Wall
GRAND SUMMARY

	Description	Amount
(i)	CC-RMP-Preliminaries	
	CC-RMP-00100 - Preliminaries	
(ii)	Structures	
	Levis Quay Wall	
Tender Total (excl VAT)		€

Signed on Behalf of

Name of Tenderer _____

Signature of Authorised Person _____

Printed Name of Authorised Person _____

Date _____