



Tionscaldal Éireann
Project Ireland
2040

LIMERICK CITY & COUNTY COUNCIL MULTIPARTY FRAMEWORK AGREEMENT



Comhairle Cathrach
& Contae **Luimnigh**

Limerick City
& County Council

CIVIL WORKS FRAMEWORK No. 2

VOLUME C: PRICING DOCUMENT

0073/04/00536

OCTOBER 2025

REV: 03



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Mid West
National Road Design Office

Document Control Sheet

Client	Limerick City & County Council
Project Title	Limerick City & County Council Multiparty Framework Agreement – Civil Works Framework No. 2
TII Project Ref.	
MWNRDO Job No.	0073
Project Phase	Tender
Document Title	Volume C: Pricing Document
Document No.	073_04_00536
Publication Date	October 2025

Rev.	Issued for	Prepared by	Checked by	Reviewed by	Approved by
01	Approval	R. Kennedy  Date: 18/09/2025	C. Connole  Date: 18/09/2025	F. Kelliher  Date: 18/09/2025	T. Fitzgerald  Date: 19/09/2025

Rev.	Issued for	Prepared by	Checked by	Reviewed by	Approved by
02	Approval	R. Kennedy  Date: 14/10/2025	C. Connole  Date: 14/10/2025	F. Kelliher  Date: 14/10/2025	T. Fitzgerald  Date: 14/10/2025

Rev.	Issued for	Prepared by	Checked by	Reviewed by	Approved by
03	Approval	R. Kennedy  Date: 28/10/2025	C. Connole  Date: 28/10/2025	F. Kelliher  Date: 28/10/2025	T. Fitzgerald  Date: 28/10/2025

Report Distribution:

Master Copy:

0073/04 - Project File, MWNRDO

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1 INTRODUCTION AND INTERPRETATION

1.1 Introduction

As part of the Framework, all rates in the pricing document will, for pricing purposes, be based on works being located in the vicinity of the townland of Kilgobbin, Rineroe, Monearla and Gorteen. This will enable all contractors to price items in the pricing document more accurately.

1.2 Interpretation.

This Pricing Document will be used to identify the five Lowest Price tenderers, provided sufficient tenders qualify, for a place on the Framework. This document contains notional quantities for the purpose of obtaining rates from each of the tenderers that will form part of the Framework. Participants shall ensure that any rates tendered in the mini competitions are no higher than those set out in the completed Pricing Document for this Framework and that any fixed fee required to be built up from rates is built up from rates no higher than those set out in the Pricing Document for this Framework Agreement.

2 PREAMBLE TO BILL OF QUANTITIES

2.1 General Directions

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.

2.2

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
- 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 Employers 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

2.3 Measurement

The measurement of work shall be computed net from the dimensions stated in the Contract unless otherwise stated in the RMP.

Where the tender documents provide for the Contractor to select the type of buried structure (where the structure is not within Designated Outline's) 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.

2.4 Pricing of Items

Each individual item shall have a rate or price entered against it. Rates and prices shall be expressed to two decimal places.

Reserved Sums and Contract Sums for Specialists will be provided by the Contracting Authority.

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.

2.5 Alternative Specified Materials, Designs and Options Within Types of Pavements

Not Used

2.6 Privately and Publicly Owned Services or Supplies

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.

2.7 Labours

Not Used

2.8 Roadworks Overall Requirements

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.

2.9 Work Within and Below any water condition

The Contractor shall allow in his prices for any items of structures designed by the Contractor provided under Series 2500, for taking measures required to execute work in any condition where there is a presence of any type of water.

2.10 Dealing with Flow

The Contractor shall allow in his rates and prices for taking measures to deal with the existing flow of water, sewage and the like.

2.11 Not Used

2.12 Site Limitations and Constraints

The Contractor shall allow in his rates and prices for complying with any limitations and constraints on the use of the Site.

2.13 Hard Material

For the purposes of the Contract the following are designated as Hard Material in accordance with CC-RMP-00010 Introduction to the Requirements for Measuring and Pricing 2.1 (h)-(j)

2.14 Equivalent Products and Materials

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.

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.

2.15 Permanent Works Designed by the Contractor

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.

2.16 Structures Designed by the Contractor

Not Used

2.17 Alterations for Road Authorities

Not Used

2.18 Amendments to the Requirements for Measuring and Pricing

For the purposes of the Contract the Requirements for Measuring and Pricing is amended in accordance with the pages immediately following.

3 AMENDMENTS TO THE REQUIREMENTS FOR MEASURING AND PRICING

SERIES 400: Road Restraint Systems (Vehicle and Pedestrian)

Replace Paragraph 20 with the following:

Terminals	20	The items for disposal of material shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		a) design; b) provision of design documentation; c) reports and certificates; d) provision of data and drawings; e) submissions to the Employer’s Representative including re-submissions and modifications; f) amendments to the Works; g) certification by an independent Chartered Engineer; h) everything necessary for the design, fabrication, installation and testing of the terminal.

Series 500: Drainage

Petrol/Oil Interceptor Hydro Brake Manhole Gate Valve Manhole

Modify Paragraph 80 by inserting the following:

Item Coverage	80	(t) Delete full stop insert semi-colon
		Add
		(u) foundations
		(v) design of Petrol/Oil Interceptor Hydro Brake Manhole per Appendix 1/11.

Series 600: Earthworks

Replace Paragraph 39 with the following

Disposal of Material	39	The items for disposal of material shall in accordance with the Preambles to Bill of Quantities General Directions include for:
Item Coverage		a) haulage and deposition in tips off Site provided by the Contractor or other appropriate locations off Site identified by the Contractor; b) multiple handling of material; c) special measures for dealing with Class U2 material; d) allowing for deposition in lieu of disposal of acceptable fill resulting from settlement and penetration of landscape areas, environmental bunds, screening mounds and other areas of fill, and from the first 75 mm of settlement and penetration of embankments; e) special measures for dealing with materials from swamps, marshes and bogs; f) obtaining all necessary approvals, permissions, consents, permits, licences and the like; g) payment of all fees, charges, levies, and the like.

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4 BILL OF QUANTITIES

BILL PART 01 Not Used

BILL PART 02 ROADWORKS

BILL PART 03 Not Used

BILL PART 04 Not Used

BILL PART 05 STATUTORY AND OTHER BODIES

GENERAL SUMMARY OF THE BILL OF QUANTITIES

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BILL PART 02 ROADWORKS

LCCC MULTIPARTY FRAMEWORK AGREEMENT NO.2

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BILL PART 02 ROADWORKS

LCCC MULTIPARTY FRAMEWORK AGREEMENT NO.2

Bill Part: 02 Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount €
Series: 300 Fencing and Environmental Noise Barriers					
Fencing, Gates and Stiles					
03/001	Gates Steel Single Field Gate (CC-SCD-00309) TYPE 1 with mesh	no.	1		
03/002	Gates Steel Single Field Gate (CC-SCD-00309) TYPE 2 with mesh	no.	2		
03/003	Gates Steel Single Field Gate (CC-SCD-00309) TYPE 3 with mesh	no.	3		
03/004	Gates Double Leaf Steel Palisade Gates 2.4m high, 5m wide to attenuation ponds in accordance with CC-SCD-00317	no.	8		
03/005	Fencing Timber Post and Tension Mesh Fence (CC-SCD -00320)	m	1000		
03/006	Fencing Timber Post and Tension Mesh Stud Fence (CC-SCD-00321)	m	5000		
03/007	Concrete footing to timber posts	no.	50		
03/008	Steel Palisade Security Fencing to CC-SCD-00317	m	2500		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount €
Series: 300 Fencing and Environmental Noise Barriers					
Environmental Noise Barrier					
03/009	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 2500mm height.	m	75		
03/010	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 3500mm height.	m	2100		
03/011	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 3000mm height.	m	1455		
03/012	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 3250mm height.	m	538		
03/013	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 2000mm height. (Absorptive)	m	556		
03/014	Environmental noise barriers General Arrangement Non-concrete Environmental Noise Barrier Precast Concrete Gravel Board (CC-SCD-00323) 2000mm height. (Absorptive)	m	200		
Walls					
03/015	Walls Stone Masonry boundary wall at entrance	m ²	50		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks	
Summary for Series 300 - Fencing and Environmental Noise Barriers	
Description	Amount €
Bill Part 02 Series 300 Part Summary Page 1 Page 2	
Total for Series 300	Carry Forward to Grand Summary

Bill Part: 02 Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Series: 400 Road Restraint System (Vehicle and Pedestrian)				
	Safety Barrier System				
04/001	Safety barrier; Higher containment level H2; Working Width W2 ; ; straight or curved exceeding 120m radius;	m	3500		
04/002	Safety barrier; Higher containment level H2; Working Width W4 ; impact severity level A; designed to be impacted on one side only; straight or curved exceeding 120m radius;	m	200		
04/003	Safety barrier; containment level N2; Working width W4 ; impact severity level A; designed to be impacted on one side only; straight or curved exceeding 120m radius;	m	3300		
04/004	Safety barrier; containment level N2; Working width W2 ; impact severity level A; designed to be impacted on one side only; straight or curved exceeding 120m radius;	m	3300		
	Transitions				
04/005	Transition; between safety barrier of performance class N2 W4 to terminal; designed to be impacted on one side only; straight or curved exceeding 120m radius	no.	12		
04/006	Transition; between safety barrier of performance class H2 W4 to N2 W4; designed to be impacted on one side only; straight or curved exceeding 120m radius	no.	8		
04/007	Transition; between safety barrier of performance class H2 W4 to H2 Parapet; designed to be impacted on one side only; straight or curved exceeding 120m radius	no.	4		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount €
	Series: 400 Road Restraint System (Vehicle and Pedestrian)				
	Transitions				
	Terminals				
04/008	Minimum performance class T110; single sided BDT terminal; tested to PrEN1317-7; impact severity class B; maximum lateral displacement X1Y1; exit box class Za1 Zd1	no.	12		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks		
Summary for Series 400 - Vehicle Restraint Systems (Vehicle and Pedestrian)		
Description		Amount €
Bill Part 02 Series 400		
Part Summary		
Page 1		
Page 2		
Total for Series 400		Carry Forward to Grand Summary

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
	Series 500 - Drainage & Service Ducts				
	Drainage				
	Drains, Sewers and Piped Culverts and Service Ducts				
05/001	150mm internal diameter uPVC carrier pipe from gully on bed Type Z, in accordance with TII CC-SCD-00521, in trench depth to invert not exceeding 1 metres, average depth to invert 0.8m.	m	200		
05/002	225mm internal diameter uPVC drain on bed Type S, in accordance with TII CC-SCD-00521, in trench depth to invert not exceeding 2 metres, average depth 1.5m.	m	700		
05/003	450mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), concrete surround, in trench depth to invert not exceeding 1m.	m	400		
05/004	450mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), concrete surround, in trench depth to invert not exceeding 2m.	m	3,500		
05/005	450mm internal diameter uPVC drainage carrier pipe, bed Type Z as per (CC-SCD-00521), concrete surround, in trench depth to invert not exceeding 1m	m	900		
05/006	450mm internal diameter uPVC drainage carrier pipe, bed Type Z as per (CC-SCD-00521), concrete surround, in trench depth to invert not exceeding 2m, average depth 1.5m.	m	150		
05/007	450mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), in trench depth to invert exceeding 2 but not exceeding 4m, average depth 2.5m	m	500		
05/008	525mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), in trench depth to invert exceeding 2 but not exceeding 4m, average depth 2.5m	m	400		
05/009	600 mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), in trench depth to invert exceeding 2 but not exceeding 4m, average depth 2.5m	m	3,500		
05/010	600 mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), in trench depth to invert not exceeding 2 , average depth 1.5m	m	150		
05/011	900 mm internal diameter uPVC drainage carrier pipe, bed Type S as per (CC-SCD-00521), in trench depth to invert not exceeding 2m	m	600		
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Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
	Series 500 - Drainage & Service Ducts				
	Drains, Sewers and Piped Culverts and Service Ducts				
05/012	Pipedert culverts 1200mm internal diameter drainage - Surface Water Drains - Trench and Bedding detail - (CC-SCD-00521) Type S	m	50		
05/013	Pipedert culverts 1350mm internal diameter drainage - Surface Water Drains - Trench and Bedding detail - (CC-SCD-00521) Type S	m	50		
05/014	Service ducts 100mm internal diameter Depths to invert not exceeding 2 metres average depth, twin wall red HDP duct with "public lighting" embossed	m	3,000		
05/015	2 x 150mm diameter UPVC services ducts in trench in accordance with RCD/500/61	m	500		
	Filte Drains				
05/016	Filter Drains 225mm internal diameter depths to invert not exceeding 2 metres, average depth to invert 1500mm, Drainage - Filter Drains Trench and Details - (CC-SCD-00520 Type H)	m	3,500		
05/017	Filter Drains 225mm internal diameter depths to invert not exceeding 2 metres, average depth to invert 1700mm, Drainage - Filter Drains Trench and Details - (CC-SCD-00520 Type H)	m	500		
05/018	Filter Drains 300mm internal diameter depths to invert not exceeding 2 metres, average depth to invert 1500mm, Drainage - Filter Drains Trench and Details - (CC-SCD-00520 Type H)	m	500		
05/019	Filter Drains 300mm internal diameter depths to invert not exceeding 2 metres, average depth to invert 1700mm, Drainage - Filter Drains Trench and Details - (CC-SCD-00520 Type H)	m	3,500		
	Carried forward to next page				

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
	Series 500 - Drainage & Service Ducts				
	Fin Drains and Narrow Filter Drains				
05/020	Narrow filter drains Drainage - Edge of Pavement Drains - Fin Drains and Narrow Filter Drains - (CC-SCD-00540) Type 9 in trench depth not exceeding 1.5m.	m	5,000		
	Chambers and Gullies				
05/021	Chamber Type C (Precast Concrete Manhole) - (CC-SCD-00504) Depths to invert exceeding 1 metre but not exceeding 2m to incoming and outgoing pipe (Diameter 1200mm)	No.	50		
05/022	Chamber Type C (Precast Concrete Manhole) - (CC-SCD-00504) Depths to invert exceeding 1 metre but not exceeding 2m to incoming and outgoing pipe (Diameter 1050mm)	No.	7		
05/023	Chamber Drainage - Chamber Type F (Precast Catchpit) - (CC-SCD-00509) depth not exceeding 1m (1050mm Diameter)	No.	15		
05/024	Chamber Drainage - Chamber Type F (Precast Catchpit) - (CC-SCD-00509) depths to invert exceeding 1m but not exceeding 2m to grating channel outlet (1050mm Diameter Double Type F Catchpit	No.	4		
05/025	Chamber Drainage - Chamber Type F (Precast Catchpit) - (CC-SCD-00509) depths to invert exceeding 2m but not exceeding 3m to grating channel outlet (1050mm Diameter Double Type F Catchpit Chamber)	No.	25		
05/026	Chamber Drainage - Chamber Type F (Precast Catchpit) - (CC-SCD-00509) depths to invert exceeding 3m but not exceeding 4m to grating channel outlet, (1050mm Diameter Single Type F Catchpit Chamber)	No.	45		
05/027	Chamber Drainage - Chamber Type G (Precast Catchpit) - (CC-SCD-00515) depths to invert exceeding 1m but not exceeding 2m (1050mm Diameter Single Type G Catchpit Chamber) Filter Drain	No.	23		
Carried forward to next page					

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
	Series 500 - Drainage & Service Ducts				
	Chambers and Gullies				
05/028	Chamber Drainage - Chamber Type G (Precast Catchpit) - (CC-SCD-00515) depths to invert exceeding 1m but not exceeding 2m (1200mm Diameter Double Type G Catchpit Chamber) Filter Drain	No.	16		
05/029	Chamber Drainage - Chamber Type C (Precast Catchpit) - (CC-SCD-00504) depths to invert exceeding 1m but not exceeding 2m (1500mm Diameter Double Type C Manhole)	No.	2		
05/030	Chamber Drainage - Chamber Type C (Precast Concrete Manhole) - (CC-SCD-00504) Depths to invert exceeding 3 metre but not exceeding 4m ~ (1050mm Diameter Type C Manhole - Flow controls required)	No.	10		
05/031	Gully In Situ Concrete Gully (as per CC-SCD-00511 - Drainage - In Situ Concrete and Blockwork Gullies) and 150mm gulley pipe	No.	10		
05/032	Silt trap Drainage - In-Line Outlet to Trapezoidal Surface Water Channel - (CC-SCD-00527) with 1 Nr. Type G Catchpit	No.	2		
05/033	Cable Chamber, Depth to invert not exceeding 1m, 600mm x 600mm internal diameter with grade B cover and frame ,	No.	35		
05/034	Cable Chamber, Depth to invert exceeding 1m but not exceeding 2m, 600mm x 600mm internal diameter with grade B cover and frame	No.	25		
05/035	Chamber for communications - (CC-SCD-01515)	No.	20		
05/036	Chamber for communications - (CC-SCD-01517)	No.	20		
	Carried forward to part summary				

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
Series 500 - Drainage & Service Ducts					
Headwalls and Revetments					
05/037	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 100mm but not 300mm internal diameter.	No.	1		
05/038	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 300mm but not 600mm internal diameter.	No.	1		
05/039	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 600mm but not 900mm internal diameter.	No.	1		
05/040	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 900mm but not 1200mm internal diameter.	No.	1		
05/041	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 1200mm but not 1500mm internal diameter.	No.	1		
05/042	Headwalls Drainage - Headwall as per (CC-SCD-00553), Pipe exceeding 1500mm but not 1800mm internal diameter.	No.	1		
05/043	Revetments Drainage- Rock Armour: Scour Protection - (CC-SCD-00550)- with gradient 1:2 and maximum height 1.5m at outfall to attenuation pond	m ²	70		
05/044	Revetments Drainage - Rock Armour: Scour Protection - (CC-SCD-00550) Scour protection 1200mm internal diameter pipe culverts	m ²	5		
Excavation in Hard Material					
05/045	Extra over excavation for excavation of Hard Material in drainage runs	m ³	1500		
Petrol/Oil Interceptors, Hydro Brake Manhole and Gate Valve Manhole					
05/046	Petrol/Oil Interceptors Klargest Model NSBE030	No.	3		
Carried forward to part summary					

Bill Part: 02 Roadworks	
Summary for Series 500 - Drainage and Service Ducts	
Description	Amount €
Bill Part 02 Series 500	
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Total for Series 500	Carry Forward to Grand Summary

Bill No. 2 - Roadworks					
Item ID	Item Description	Unit	Quantity	Rate	Amount
Series 600 - Earthworks					
Excavation					
06/001	Excavation of acceptable material: topsoil Class 5A in cutting and other excavation,	m ³	41,000		
06/002	Excavation of acceptable material: topsoil Class 5A in cutting and other excavation, (embankment widening)	m ³	8500		
06/003	Excavation; Acceptable material Excluding Class 5A; Cutting and other excavations,	m ³	52,000		
06/004	Excavation; Acceptable material Excluding Class 5A; Cutting and other excavations,	m ³	40,000		
06/005	Excavation; Acceptable material Excluding 5A; Class 5A; Attenuation Ponds	m ³	5,500		
06/006	Excavation; Unacceptable material Class U1; cutting and other excavation;	m ³	4,500		
06/007	Excavation; Unacceptable material Class U1; cutting and other excavation; (tie in to existing embankment)	m ³	1,000		
06/008	Excavation; Unacceptable material Class U1; cutting and other excavation; 0metres to 3 metres in depth	m ³	500		
06/009	Excavation; Unacceptable material Class U1; cutting and other excavation; 3 metres to 6 metres in depth	m ³	500		
Excavation in Hard Material					
06/010	Extra over excatation for excavation in hard material, Cutting and other excavation.	m ³	4100		
06/011	Extra over excatation for excavation in hard material	m ³	2500		
Processing of unacceptable material Class U1					
06/012	Processing of Existing Material Class U1 into Class 1 or Class 2 General Fill	m ³	20,000		
Deposition of Fill					
06/013	Deposition of Acceptable Material	m ³	98,000		
06/014	Deposition of Class 1 or Class 2 General Fill Screening Bunds, earthen Bund.	m ³	5,500		
Carried forward to part summary					

Bill No. 2 - Roadworks					
Item ID	Item Description	Unit	Quantity	Rate	Amount
Series 600 - Earthworks					
Disposal of Material					
06/015	Disposal of unacceptable material; Class U1	m ³	5,750		
06/016	Disposal of unacceptable material; Class U2	m ³	1,350		
Imported Fill					
06/017	Imported topsoil Class 5B; Embankments and other areas of fill	m ³	1000		
06/018	Imported Acceptable material; Embankments and other areas of fill (Class 1 or Class 2 General Fill)	m ³	375,000		
06/019	Imported Acceptable material; Strengthened Embankments (Class 1 or Class 2 General Fill)	m ³	30,000		
06/020	Imported Acceptable material; Embankments and other areas of fill (Class 6F2 Capping)	m ³	30,000		
06/021	Imported Acceptable material; Embankments and other areas of fill (Class 6C Starter Layer)	m ³	5,000		
Compaction of Fill					
06/022	Compaction of fill; acceptable imported material; embankments and other areas of fill,	m ³	440,000		
06/023	Compaction of fill; Imported Acceptable material; Strengthened Embankments;	m ³	40,000		
06/024	Compaction of fill; Class 6F2 Capping; (on line works carriageway widening)	m ³	8,500		
06/025	Compaction of fill; Class 6F2 Capping; (Off Line	m ³	35,000		
06/026	Compaction of fill; Class 6C Starter layer (Online Works carriageway widening)	m ³	12,500		
06/027	Compaction of fill; Class 6C Starter layer (off Line Works)	m ³	2500		
06/028	Compaction of fill; acceptable material Class 1 or Class 2; soft spots	m ³	10000		
Excavation of Soft Spots and Other Voids					
06/029	Excavation of soft spots and other voids below cuttings or under embankments	m ³	10,000		
06/030	Filling of soft spots and other voids below cuttings or under embankments with acceptable material	m ³	10,000		
Carried forward to part summary					

Bill No. 2 - Roadworks					
Item ID	Item Description	Unit	Quantity	Rate	Amount
	Series 600 - Earthworks				
	Disused Sewers, Drains, Cables, Ducts, Pipelines and the Like Occurring at Formation or Sub-formation Level; Disused Basements, Cellars and the Like and Gullies				
06/031	Removal of Dissused Drainage Pipes 300mm dia	m	20		
06/032	Removal of Dissused concrete Drainage Pipes 600mm dia 2m or less of cover to formation level	m	20		
06/033	Removal of Dissused concrete Drainage Pipes 300mm dia 1m or less of cover to formation level	m	10		
06/034	Removal of Dissused manholes invert 2m or less of cover to formation level	no	3		
06/035	Removal of Dissused manholes invert 1m or less of cover to formation level	no	5		
	Topsoil and Storage of Topsoil				
06/036	Topsoiling 250mm thick to surfaces sloping at 10 degrees or less.	m ²	30,000		
06/037	Topsoiling 250mm thick to surfaces sloping at more than 10 degrees.	m ²	15,000		
	Grass Seeding and Turfing				
06/038	Grass seeding on surfaces sloping at 10 degrees or less.	m ²	30,000		
06/039	Grass seeding on surfaces sloping at more than 10 degrees.	m ²	15,000		
	Completion of Formation and Sub-Formation				
06/040	Completion of Sub-Formation on acceptable material	m ²	25,000		
06/041	Completion of Formation on acceptable material	m ²	15,000		
	Lining of watercourses/Ponds				
Carried forward to part summary					

Bill Part: 02 Roadworks Summary for Series 600 - Earthworks	
Description	Amount €
Bill Part 02 Series 600 Part Summary Page 1 Page 2 Page 3	
Total for Series 600	Carry Forward to Grand Summary

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
Series 700 - Road Pavements					
Pavements					
Surface Course					
07/001	SMA 10 surf PMB 65/105-60 des 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 53 FF 40/60	m ²	80,000		
07/002	SMA 14 surf PMB 65/105-60 des 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 53 FF 40/60	m ²	80,000		
07/003	SMA 10 surf PMB 65/105-60 des, PSV 68+, AAV 16, 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 30 FF 40/60	m ²	4,000		
07/004	SMA 10 surf PMB 65/105-60 des, PSV 60 AAV 16, 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 30 FF 40/60	m ²	4,000		
07/005	SMA 14 surf PMB 65/105-60 des, PSV 60 AAV 16, 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 30 FF 40/60	m ²	4,000		
07/006	SMA 10 surf PMB 65/105-60 des, PSV 60 AVV 16, 40mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 30 FF 40/60	m ²	4,000		
07/007	Double surface dressing (End Performance) as per CC-SCD-00706, PSV 60 AVV 16, 20mm thick in carriageway, hardshoulder and hardstrip.	m ²	10,000		
Carried forward to Part Summary					

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
Series 700 - Road Pavements					
Binder					
07/008	Asphalt Concrete grade 40/60 with 20mm aggregate, binder course, 60mm thick in carriageway and hardstrip. Fully Flexible pavement	m ²	80,000		
07/009	AC 20 dense bin 40/60 des 60mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement	m ²	12,000		
Base					
07/010	AC 32 dense base 40/60 des 120mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement	m ²	50,000		
07/011	AC 32 dense base 40/60 des 105mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement	m ²	4,000		
07/012	AC 32 dense base 40/60 des 105mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement	m ²	4,000		
07/013	AC 32 dense base 40/60 des 75mm thick in carriage way, hardshoulder and hardstrip. Fully Flexible pavement ,	m ²	35,000		
07/014	AC 32 dense base 40/60 des 135mm thick in carriageway, hardshoulder and hardstrip. Fully Flexible pavement	m ²	6,000		
07/015	165mm thick, HBM in carriageway, hard shoulder, and hard strip . FLEXIBLE COMPOSITE OPTION	m ³	2,500		
07/016	UGM Type A sub base in carriageway, hardshoulder and hardstrip. Fully Flexible pavement (100mm)	m ³	3,500		
Carried forward to Part Summary					

Bill No. 2 - Roadworks					
ItemID	Item Description	Unit	Quantity	Rate	Amount
Series 700 - Road Pavements					
Sub Base					
07/017	UGM Type A sub base in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 53 FF 40/60 (100mm)	m ³	2,500		
07/018	UGM Type A sub base in carriageway, hardshoulder and hardstrip. Flexible composite pavement Option 53 FF 40/60 (100mm)	m ³	3,500		
07/019	UGM Type A sub base in carriageway, hardshoulder and hardstrip. Fully Flexible pavement Option 30 FF 40/60 (100mm)	m ³	500		
07/020	Extra over above for laying upto 50mm final blinding layer with paver	m ²	60,000		
Bond Coat					
07/021	Bond Coat, hot bituminous binder as per Appendix 7/4 of Volume A Works Requirements, minimum rate of spread of 0.3kg/m ² of residual binder	m ²	320,500		
Regulation Course					
07/022	Regulating material with AC 20 dense bin 40/60 des 100mm thick average in carriageway, hardshoulder and hardstrip	m ²	20,000		
Cold Milling					
07/023	Milling of existing pavement to depths approx. 0-100mm (average depth approx. 60mm)	m ²	20,000		
07/024	Milling of existing pavement to depths approx. 0-100mm (average depth approx. 50mm)	m ²	20,000		
07/025	Milling of existing pavement to depths approx. 0-300mm (average depth approx. 250mm)	m ²	1000		
Carried forward to part summary page					

Bill Part: 02 Roadworks	
Summary for Series 700 - Road Pavements	
Description	Amount €
Bill Part 02 Series 700 Part Summary Page 1 Page 2 Page 3	
Total for Series 700	Carry Forward to Grand Summary

	Bill No. 2 - Roadworks				
ItemID	Item Description	Unit	Quantity	Rate	Amount
Series 1100 - Road Pavements					
	Kerbs, Footways and Paved areas				
	Kerbs, Channels, Edgings, Combined Drainage and Kerb Blocks and linear Drainage Channel Systems.				
11/001	Channels Edge of Pavement Details - Cross Section of Concrete Surface Water Channel (CC-SCD-00522) A	m	4000		
11/002	Connections to Existing Manholes / Pipes (Taken 4 No existing Pipes	No.	10		
Carried forward to Part Summary					

Bill Part: 02 Roadworks	
Summary for Series 1100 - Kerbs, Footways and Paved Areas	
Description	Amount €
Bill Part 02 Series 1100 Part Summary Page 1	
Total for Series 1100	Carry Forward to Grand Summary

Bill Part: 02 Roadworks					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
Series 1300: Road Lighting Columns and Brackets					
Road Lighting Coluns, Brackets and Wall Mountings					
13/001	Passively Safe road lighting Columns of 10m nominal height, with planted base and top post mounted Philip 119w. Luma 1 LED Lantern or similarly approved.	no.	20		
13/002	Passively Safe Lighting Columns, of 10m nominal height, with planted base with top post mounted Philip 105w. Luma 1 LED Lantern or similarly approved.	no.	1		
13/003	Passively Safe road lighting Columns of 10m nominal height, with planted base and top post mounted Philip 47w. Luma 1 LED Lantern or similarly approved.	no.	5		
13/004	Passively Safe road lighting Columns of 10m nominal height, with planted base and top post mounted Philip 105w. Luma 1 LED Lantern or similarly approved.	no.	1		
13/005	Top post mounted Philip 47w. Luma 1 LED Lantern or similarly approved on existing type C column,	no.	5		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks	
Summary for Series 1300 - Road Lighting Columns and Brackets	
Description	Amount €
Bill Part 02 Series 1300 Part Summary Page 1	
Total for Series 1300	Carry Forward to Grand Summary

ItemID	Bill Part: 02 Roadworks Item Description	Unit	Quantity	Rate	Amount €
Series 1400 Electrical Work for Road Lighting and Traffic Signs					
Electrical Work for Road Lighting and Traffic Signs (including Cabling, Feeder Pillars, Earthing and Testing)					
14/001	Galvanised steel public lighting micro-pillar for single phased metered distribution including marine plywood baseboard and all internal electrical equipment including provision for connection to power supply	no.	2		
14/002	NYCY Cable, 2 x 10 sq.mm	Lin.m	2000		
14/003	NYCY Cable, 2 x 6 sq.mm	Lin.m	500		
14/004	Terminate 2 x 10 sq.mm, NYCY cable in micro pillar	no.	10		
14/005	Terminate 2 x 6 sq.mm, NYCY cable in micro pillar	no.	10		
14/007	Electrical Testing	Item.	—		
14/008	Photometric Testing	Item.	—		
14/009	Liaise with, and facilitate ESB and its Contractors as necessary to provide electrical connections.	Item.	—		
14/010	Liaise with, and facilitate Lighting contractor as necessary to connect lighting columns to power supply	Item.	—		
14/011	Allow for reworks of existing lighting circuits with new Lighting circuits.	Item	—		
14/012	Liaise with, and facilitate Eir and its Contractors as necessary to connect lighting columns to power supply	item	-		
14/013	rewiring of existing lighting circuit	item	—		
Carried Forward to Part Summary					

Bill Part: 02 Roadworks	
Summary for Series 1400 - Electrical Work for Road Lighting and Traffic Signs	
Description	Amount €
Bill Part 02 Series 1400 Part Summary Page 1	
Total for Series 1400	Carry Forward to Grand Summary

Roadworks

Bill Part 02: Summary

Description	Amount €
Bill Part 02 Summary	
Series 300 Fencing and Environmental Noise Barriers	
Series 400 Road Restraint System (Vehicle and Pedestrian)	
Series 500 Drainage and Service Ducts	
Series 600 Earthworks	
Series 700 Pavements	
Series 1100 Kerbs Footways & Paved Areas	
Seres 1300 Road Lighting Columns and Brackets	
Series 1400 Electrical Work for Road Lighting & Traffic Signs	
Total for Bill Part 02	
Carry Forward to General Summary of the Bill of Quantities	

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BILL PART 05 STATUTORY AND OTHER BODIES

LCCC MULTIPARTY FRAMEWORK AGREEMENT NO.2

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
Statutory and Other Bodies					
CC-RMP-00500 Drainage and Service Ducts					
Service Ducts					
1	Service Ducts, 4x 110mm internal diameter grey uPVC Telecom service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	500		
2	Service Ducts, 4x 110mm internal diameter grey uPVC Telecom service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	150		
3	Service Ducts, 4x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type A to CC-SCD-00561,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	150		
4	Service Ducts, 4x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type A to CC-SCD-00561,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	500		
5	Service Ducts, 2x 110mm internal diameter grey uPVC Telecom service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m	150		
6	Service Ducts, 2x 110mm internal diameter grey uPVC Telecom service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	500		
7	Service Ducts, 2x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	150		
8	Service Ducts, 2x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type C to CC-SCD-00562,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	500		
9	Service Ducts, 4x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type A to CC-SCD-00561,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m	150		
10	Service Ducts, 4x 110mm internal diameter grey uPVC EIR service duct in trench bed and surround, Type A to CC-SCD-00561,depth to invert not exceeding 2 metres, average depth to invert 1.0m	m.	500		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
Statutory or Other Bodies					
11	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Footpath; construction to trench	m.	150		
12	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Footpath; construction to trench	m.	500		
13	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Non Estate Roadway; construction to trench	m.	150		
14	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Non Estate Roadway; construction to trench	m.	500		
15	Service ducts; 125 mm internal diameter 2 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-002-001); Farm land, Open grassed areas & private property; construction to trench	m.	150		
16	Service ducts; 125 mm internal diameter 2 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-002-001); Farm land, Open grassed areas & private property; construction to trench	m.	500		
Chambers and Gullies					
17	Eir Inspection Chamber, CW500 , D400, depth to invert not exceeding 1m	no.	5		
18	Eir Inspection Chamber, CW600 ring beam , D400, depth to invert not exceeding 1m	no.	10		
19	Eir Inspection Chamber, JB4A, D400, depth to invert not exceeding 1m	no.	10		
20	Cable Access Chamber, ESB Mini Pillar vault (1270mm x 960mm/ 915 depth, Class D400 cover, depth to invert surface of base not exceeding 1m.	no.	5		
Connections					
21	Connection to existing Eir Chamber, 2 x 110mm internal diameter uPVC, depth not exceeding 2 metres.	no.	10		
22	Connection to existing Eir Ducts, 2 x 110mm internal diameter uPVC, depth not exceeding 2 metres.	no.	5		
23	Connection to existing Eir poles,	no.	5		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
	CC-RMP-2700 Watermain, Utilities and Accommodation Works				
	Watermain diversion				
24	Watermains, Ductile iron with internal diameter 400mm, depths not exceeding 2 metres average depth to invert 1.5m, construction in trench	m	132		
25	Existing Services to be protected in place for the duration of the Design and Construction of the Works				
26	Watermains 25 mm SDR11 PE 80 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Roadways; depths to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; construction in trench	m	100		
27	Watermains 25 mm SDR11 PE 80 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; construction in trench	m	100		
28	Watermains 63 mm SDR11 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
29	Watermains 63 mm SDR11 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Roads; depths to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; construction in trench	m	100		
30	Watermains 125 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Roads; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
31	Watermains 125 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
38	Watermains 180 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Roads; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies						
Item ID	Item Description	Unit	Quantity	Rate	Amount €	
	CC-RMP-2700 Watermain, Utilities and Accommodation Works					
33	Watermains 180 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
34	Watermains 250 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Roads; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
35	Watermains 250 mm SDR17 PE 100 pipe; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
Watermain/Rising Main - Ductile Iron						
36	Watermains DN 200 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
37	Watermains DN 200 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Road; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
38	Watermains DN 250 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100			
39	Watermains DN 250 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Road; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench					
Carried Forward to Part Summary						

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
	CC-RMP-2700 Watermain, Utilities and Accommodation Works				
40	Watermains DN 300 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Grassed Areas; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
41	Watermains DN 300 mm DI Spigot and Socket pipe with flexible push-on joint; Irish Water Standard Detail - Trench Backfill and Bedding (STD-W-13) Cross Section in Road; depths to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; construction in trench	m	100		
	Connections				
42	Connection to existing watermain diameter up to 50 mm diameter; Depths to invert not exceeding 2 metres	No.	10		
43	Connection to existing watermain 51-100 mm diameter; Depths to invert not exceeding 2 metres	No.	10		
44	Connection to existing watermain 101-200 mm diameter; Depths to invert not exceeding 2 metres	No.	10		
45	Connection to existing watermain 201-300 mm diameter; Depths to invert not exceeding 2 metres	No.	10		
	Pipe Fittings (For both Watermains and Rising Mains)				
46	Fittings; PE bends nominal bore not exceeding 200mm	No.	5		
47	Fittings; PE bends nominal bore 201mm - 300mm	No.	5		
48	Fittings; PE bends nominal bore 301mm - 450mm	No.	5		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
	CC-RMP-2700 Watermain, Utilities and Accommodation Works				
49	Fittings; stub flange with backing ring nominal bore not exceeding 200mm	No.	5		
50	Fittings; stub flange with backing ring nominal bore 201mm - 300mm	No.	5		
51	Fittings; stub flange with backing ring nominal bore 301mm - 450mm	No.	5		
52	Fittings; dismantling joint nominal bore not exceeding 200mm	No.	5		
53	Fittings; dismantling joint nominal bore 201mm - 300mm	No.	5		
54	Fittings; dismantling joint nominal bore 301mm - 450mm	No.	5		
55	Fittings; thrust flange nominal bore not exceeding 200mm	No.	5		
56	Fittings; thrust flange nominal bore 201mm - 300mm	No.	5		
57	Fittings; thrust flange nominal bore 301mm - 450mm	No.	5		
58	Fittings; flexible couplings nominal bore not exceeding 200mm	No.	5		
59	Fittings; flexible couplings nominal bore 201mm - 300mm	No.	5		
60	Fittings; flexible couplings nominal bore 301mm - 450mm	No.	5		
	Valves and Penstocks (For both Watermain and Rising Main)				
61	Valves and Penstocks; Ductile Iron; Bends; nominal bore : not exceeding 200mm; fittings without puddle flanges	No.	5		
62	Valves and Penstocks; Ductile Iron; Bends; nominal bore : 201mm - 300mm; fittings without puddle flanges	No.	5		
63	Valves and Penstocks; Ductile Iron; Bends; nominal bore : 301mm - 450mm; fittings without puddle flanges	No.	5		
64	Valves and Penstocks; Ductile Iron; Gate Valves - hand operated; nominal bore : not exceeding 200mm; fittings without puddle flanges	No.	5		
65	Valves and Penstocks; Ductile Iron; Gate Valves - hand operated; nominal bore : 201-300mm; fittings without puddle flanges	No.	5		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
CC-RMP-2700 Watermain, Utilities and Accommodation Works					
66	Valves and Penstocks; Ductile Iron; Gate Valves - hand operated; nominal bore : 301-450mm; fittings without puddle flanges	No.	5		
67	Valves and Penstocks; Ductile Iron; Non-return valves; nominal bore : not exceeding 200mm; fittings without puddle flanges	No.	5		
68	Valves and Penstocks; Ductile Iron; Air Valves; Offline; nominal bore : not exceeding 250mm; fittings without puddle flanges. Construction as per Irish Water detail STD-W-21	No.	5		
69	Valves and Penstocks; Ductile Iron; Air Valves; Offline; nominal bore : 251-450mm; fittings without puddle flanges. Construction as per Irish Water detail STD-W-21	No.	5		
70	Valves and Penstocks; PE; Air Valves; Offline; nominal bore : not exceeding 250mm; fittings without puddle flanges. Construction as per Irish Water detail STD-W-23	No.	5		
71	Valves and Penstocks; PE; Air Valves; Offline; nominal bore : 251-450mm; fittings without puddle flanges. Construction as per Irish Water detail STD-W-23	No.	5		
72	Valves and Penstocks; Ductile Iron; pressure reducing valves; nominal bore : not exceeding 200mm; fittings without puddle flanges	No.	5		
Chambes					
73	Chambers; Sluice/Gate Valve Chamber (Mains 300mm Diameter or Less) - (CC-SCD-02704) TYPE A; depths not exceeding 1m; cover and frame Class E600 to IS/EN 24	No.	5		
74	Chambers; Offset Hydrant Chamber (Mains 400mm Diameter or Less) - (CC-SCD-02709); depths not exceeding 1m; cover and frame Class E600 to IS/EN 24	No.	3		
75	Chambers; Air Valve or Hydrant Chamber (Mains 400mm Diameter or Less) - (CC-SCD-02707 & CC-SCD-02708); depths not exceeding 1m; cover and frame Class E600 to IS/EN 24	No.	5		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
CC-RMP-00500 Drainage and Service Ducts					
ESB Service Ducts					
76	Service ducts; 5 x 100 mm internal diameter; depth to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; Trench Detail to Standard Specification for ESB 38kV Networks Ducting/Cabling, HDPE duct to ESB Code : 9317556; Construction in Trench including CBM4 concrete bedding, haunching and surround.	m.	100		
77	Service ducts; five number 100 mm internal diameter; depth to invert not exceeding 2 metres, average depth to invert exceeding 1 metre but not exceeding 2 metres; Trench Detail to Standard Specification for ESB 38kV Networks Ducting/Cabling, HDPE duct to ESB Code : 9317556; Construction in Trench including CBM4 concrete bedding, haunching and surround.	m.	500		
78	Service ducts; 125 mm internal diameter 4 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-003-001); Non Estate Roadway; construction to trench	m.	150		
79	Service ducts; 125 mm internal diameter 4 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-003-001); Non Estate Roadway; construction to trench	m.	500		
80	Service ducts; 125 mm internal diameter 4 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-003-001); Farm land, Open grassed areas & private property; construction to trench	m.	150		
81	Service ducts; 125 mm internal diameter 4 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-003-001); Farm land, Open grassed areas & private property; construction to trench	m.	500		
82	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Farm land, Open grassed areas & private property; construction to trench	m.	150		
83	Service ducts; 125 mm internal diameter 1 way; depth to invert not exceeding 2 metres, average depth to invert not exceeding 1 metre; ESB - Trench Detail (PE424-D7002-008-001-001); Farm land, Open grassed areas & private property; construction to trench	m.	500		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
CC-RMP-00500 Drainage and Service Ducts					
Connections					
84	Connection to existing chamber; two number 100mm internal diameter duct, depth not exceeding 2m.	No.	5		
85	Connection to existing chamber; four number 100mm internal diameter duct, depth not exceeding 2m.	No.	5		
86	Connection to existing chamber; six number 100mm internal diameter duct, depth not exceeding 2m.	No.	5		
Excavation					
87	Extra over excavation in hard material for ducting	m3	30		
Chambers					
88	Chamber; temporary ESB Joint Pit 3.0m x 1.2m x 1.2m; backfilling with ESB approved materials on completion of ESB works	No.	5		
89	Chamber; temporary ESB Joint Pit 4.0m x 1.5m x 1.4m; backfilling with ESB approved materials on completion of ESB works	No,	5		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies					
Item ID	Item Description	Unit	Quantity	Rate	Amount €
GNI - Gas Networks					
90	Concrete protection slabs to be designed and installed as per GNI requirements to protect the existing gas main in the vicinity of the road footprint interface	m	100		
91	Existing Services to be protected in place for the duration of the Design and Construction of the Works	m	100		
Carried Forward to Part Summary					

Bill Part: 05 Works for Statutory or Other Bodies Summary	
Description	Amount €
Bill Part 05 Works for Statutory or Other Bodies Part Summary Page 1 Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 Page 8 Page 9 Page 10	
Statutory Bodies	Carry Forward to Grand Summary

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GENERAL SUMMARY
OF BILL OF QUANTITIES

Summary of Bill of Quantities

[illegible]

Tender Total

Signature:.....

Contractor's Name and Address:

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.....

Date:.....

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National Road Design Office

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