

CAHERLINE NEWTOWN GROUP WATER SCHEME NETWORK UPGRADE



VOLUME C PRICING DOCUMENT



JULY 2026

PREAMBLE

- 1 Tenders with accompanying Forms must be provided in accordance with the Instructions to Tenderers.
- 2 General directions and descriptions of work and material given in the specification or on the drawings are not necessarily repeated in the Pricing Document. Reference shall be made to the Specification and drawings for such information including the nature and character of the works, the working conditions and obligations to be undertaken in executing the work.
- 3 Specification of concrete is not in accordance with BS 5328. Details of required concrete strengths and proportions are set out in Clause 1.2.9 of the Specification.
- 4 Where filling material is described as complying with a Clause in the "Specification for Road Works" it shall be deemed to refer to the current Specification issued by the Department of the Environment.
- 5 Rock is defined as hard natural material such as hard limestone, granite, basalt, etc., which in the opinion of the Engineer, can be removed only by the use of rock breaking equipment or explosives and is found in continuous beds or boulders exceeding 1.0m³ in volume in the case of earthworks and 0.25m³ in volume in the case of trench excavation for pipework. Soft surface rock or the soft top of hard rock or rock so adequately divided by cleavage planes as to allow excavation without the use of specialised rock breaking equipment shall be classified as other material.

It should be noted that the practical constraints on rock excavations within a trench may preclude the use of conventional ripping equipment. In such circumstances, the use of conventional rock breaking would be required and allowance should be made for such.

Item are included in the Pricing Document for the pricing of rock excavation, as per the definition above. The Site Investigation Report details the boulder content within trial pits in accordance with EN ISO 14688-2-2004 Geotechnical investigation and testing -Identification and classification of soil -Part 2: Principles for a classification.

- 6 Contractors are obliged to deal with any waste arising in accordance with the requirement of the Waste Management Acts 1996-2007 and the associated Regulations. Limerick City & County Council, Environment Protection Section require contractors to prepare a Waste Management Plan prior to the commencement of work on site. This plan will detail the measures to be taken by the contractor to deal with all waste arising during the course of the contract. The Waste Management Permit Regulations state that a Permit is required to reuse inert waste (soil, clay, stone) for the purposes of land reclamation. This material is classified as waste when it is surplus to the requirements of the contract and is required to be disposed off-site. The Waste Management (Collection Permit) Regulations require that the transporter of waste (including inert waste) obtains a Collection Permit. These permits are issued by Environment Section of Limerick City & County Council. Waste arising during the course of the works which is required to be disposed or recycled should only be transferred to a person who holds a valid Waste Collector Permit.

The Contractor's sums in the Pricing Document shall be deemed to include for all costs associated with disposal and for obtaining all approvals and licences including any contaminated spoil that might be encountered and dumping sites will not be provided by the Employer.

- 7 The Employer has obtained ownership of and/or wayleaves through sufficient land for the purpose of the permanent works. Details of such wayleaves and of any special conditions attaching thereto, etc may be obtained from the Employer. The Contractor shall make his own arrangements for acquiring any additional areas of land or wayleaves for the purpose of constructing the Works and shall be deemed to have included for this in his Tender and to be aware of any special conditions attaching to the wayleaves or of any restrictions in the Contractor's use of the site.
- 8 The following bodies of open water exist on the site or bound the site:

Stream crossings on proposed watermain routes.
- 9 The pricing document is not prepared using the "Civil Engineering Standard Method of Measurement"

Third edition 1991 (CESMM3). It shall be priced as a lump sum to complete the works inclusive of any temporary or ancillary works required.

- 10 The Contractor shall be responsible for accurately determining the location of all services on site which are likely to be affected by the Works irrespective of the details shown on the drawing and shall take all reasonable care in protecting, supporting and maintaining such services.
- 11 Not used.
- 12 The minimum nominal minimum trench widths shall be as noted on the drawings. The measurement convention for deriving trench widths and calculating quantities in this Pricing Document shall be as stated in the item headings and descriptions. The quantities shall be based on vertical-sided trench, the Tenderer shall be deemed to have included for the cost of additional excavation, bedding, backfilling, trench support and reinstatement, as noted in the item 13 below.
13. The Contractor shall note pipeline items measured as open cut excavation are measured with trench measure widths adopted as noted in the work item descriptions. The Contractor shall be deemed to have included for the cost of any additional open cut trench excavation, bedding, backfilling, trench support and reinstatement associated with the actual widths required to complete the works within the overall Contract Sum, including any greater widths required to accommodate the Contractor's method of construction and also to meet the requirements to accommodate compaction equipment, as per Section 6.5 of the Guidelines for the Opening, Backfilling and Reinstatement of Openings in Public Roads (Apr. 2017). No additional payments for any difference between payment width and construction trench widths will be made by the Employer. However, an item has been included in the Pricing Document (Part 3, Item 4.18) to allow the Contractor to price for these associated risks/costs.

**LIST OF PRINCIPAL QUANTITIES
FOR OVERALL SCHEME**

110 mm O.D. watermain	3432 m
180 mm O.D. watermain	76 m
SV, ScV, AV & Hyd. Valves & Chambers	30 No.
Bulk Flow Meters & Chambers	4 No.

PART 1 - GENERAL ITEMS

Ref	Description	Unit	Qty	Rate	Amount
	<u>PART 1: GENERAL ITEMS FOR PIPELINE SECTION W1</u>				
	<u>Contractual requirements</u>				
1.1	Employers liability insurance, as Specification Cl.'s 1.1.34, 2.1.4 and Form of Tender & Schedule Cl.'s 10.3 and 10.4	sum			
1.2	Insurance against damage to persons and property, as Specification Cl.'s 1.1.34 and 2.1.4 and Form of Tender & Schedule Cl.'s 10.3 and 10.4	sum			
1.3	Insurance of the Works, as Specification Cl.'s 1.1.34 and 2.1.4 and Form of Tender & Schedule Cl.'s 10.3 and 10.4	sum			
	<u>Specified requirements</u>				
1.4	Mobilise all necessary HDD drilling equipment and pipeline insertion installation equipment to site for the full duration of the Contract, as stated in Clause 1.1 of Vol. B - Form of Tender & Schedule. The mobilised equipment shall have the capacity to carry out the Horizontal Directional Drilling, as Specification per Clause 2.4.	sum			
1.5	Site preparation, mobilisation and setting up of all facilities required to commence construction	sum			
1.6	Establishment and removal of plant and equipment for the control of water in excavations. This may include well point dewatering, sheetpiling, etc. as Specification Clause 2.1.13	sum			
1.7	Maintenance and operation of plant and equipment for the control of water in excavations. This may include well point dewatering, sheetpiling, etc.	sum			
1.8	Maintenance of vehicular access to all properties along narrow roads.	sum			
1.9	Establishment and removal of vibration, noise and settlement monitoring equipment as Specification Clause 1.1.23, 2.1.20 and 2.2.6	sum			
1.10	Maintenance and operation of vibration, noise and settlement monitoring equipment for the contract duration	sum			
1.11	Establishment and removal of Engineer's Representative accommodation and associated facilities for the duration of the contract period and for a further 6 weeks after the issue of the Certificate of Substantial Completion; as Specification Clause 2.1.24	sum			
1.12	Maintenance of Engineer's Representative accommodation and associated facilities for the duration of the contract period and for a further 6 weeks after the issue of the Certificate of Substantial Completion; as Specification Clause 2.1.24	sum			
1.13	Attendance on Engineer's Representative for the duration of the contract period and for a further 6 weeks after the issue of the Certificate of Substantial Completion; as Specification Clause 2.1.24	sum			
1.14	Establishment of Engineer's Representative protective clothing as Specification Clause 2.1.24	sum			
1/1	To Part Summary				

PART 1 - GENERAL ITEMS

Ref	Description	Unit	Qty	Rate	Amount
	<u>GENERAL ITEMS (Cont'd)</u>				
	<u>Specified requirements (Cont'd)</u>				
1.15	Maintenance of Engineer's Representative protective clothing for the duration of the contract period and for a further 6 weeks after the issue of the Certificate of Substantial Completion; as Specification Clause 2.1.24	sum			
1.16	Provide for liaising with Local Authority staff for the duration of the contract in relation to services, licences, notices, etc.	sum			
1.17	Provide for locating and protecting existing services and watermains as Specification Clause 1.1.16 and 2.3.10	sum			
1.18	Provide for compliance with all requirements of service utility providers, as Specification Clause 1.1.16 and 2.3.10	sum			
1.19	Provide for obtaining approval and licences under the provisions of the Waste Management Act along with disposal, as Specification Clause 2.1.12	sum			
1.20	Carry out the duties and obligations as Project Supervisor (Construction Stage) arising from the Safety, Health and Welfare at Work (Construction) Regulations 2013 and any subsequent amending legislation as Specification clause 2.1.22	sum			
1.21	Establishment and removal of protection to trenches and lighting of excavations in public roadways, as Specification Clause 1.1.29 and 2.1.18	sum			
1.22	Maintenance and operation of protection to trenches and lighting of excavations in public roadways	sum			
1.23	Establishment and removal of provisions for rubbish removal including compliance with construction recycling requirements, as Specification Clause 1.1.27 and 1.1.30	sum			
1.24	Maintenance and operation of provisions for rubbish removal including compliance with construction recycling	sum			
1.25	Establishment and removal of temporary fencing to construction works, siteworks and wayleaves, as Specification clause 1.1.29 & 2.1.18	sum			
1.26	Maintenance and operation of temporary fencing to construction works, siteworks and wayleaves	sum			
1/2	To Part Summary				

PART 1 - GENERAL ITEMS

Ref	Description	Unit	Qty	Rate	Amount
	<u>GENERAL ITEMS (Cont'd)</u>				
	<u>Specified requirements (Cont'd)</u>				
1.27	Establishment and removal of water for the works as Specification clause 1.1.24	sum			
1.28	Maintenance and operation of water for the works	sum			
1.29	Provide for all welfare facilities, etc. required under the Safety, Health and Welfare at Work Act 2005, Safety, Health and Welfare at Work (Construction) Regulations 2013 and any subsequent amending legislation	sum			
1.30	Provide for appointment by the Contractor of a suitably qualified Engineer to carry out the design of temporary works and to monitor the works for the duration of the contract, as Specification clause 2.1.9	sum			
1.31	Provide for attending meetings and submitting progress reports	sum			
1.32	Provide for control and monitoring of noise for the duration of the contract as Specification clause 2.2.2 and 2.2.6	sum			
1.33	Provide for preparation by the Contractor of the information required by the PSDP to complete the safety file, as information required by the PSDP to complete the safety file, as Specification clause 2.1.37	sum			
1.34	Provide for completing photographic/video survey of all properties/structures and road condition along the line of the proposed works before, during and after the works as Specification clause 2.1.16	sum			
1.35	Provide for provision and updating of detailed Traffic Management Plan in accordance with Clause 2.1.17 and 2.1.18	sum			
1.36	Provide for AutoCAD and GPS digital records of as-constructed pipes, valve chambers, meter boxes, services, obstructions, etc. in AutoCAD as Specification clause 1.1.37 and 2.1.9	sum			
1/3	To Part Summary				

PART 1 - GENERAL ITEMS

Ref	Description	Unit	Qty	Rate	Amount
	<u>Specified requirements (Cont'd)</u>				
1.37	Provide for working within restricted working areas and maintaining local access at all times, as Specification clause 2.1.15, 2.1.18 and 2.3.4	sum			
1.38	Provide temporary power to the works including operation, maintenance and removal, as Specification clause 1.1.24 and 2.1.6	sum			
1.39	Provide for diversions, to include all fees and charges associated with diversion of Eircom, E.S.B. Bord Gais, Broadband and other service utilities ; as Specification Clause 2.3.10	sum			
	<u>Temporary works</u>				
1.40	Establishment and removal of a mechanical road sweeper for the duration of the contract as Specification Clauses 1.1.14, 2.1.18 and 2.2.3	sum			
1.41	Maintenance and operation of a mechanical road sweeper for the duration of the contract	sum			
1.42	Establishment and removal of temporary overpumping or other diversion method to permit construction works to proceed, as Specification Clauses 2.3.5 and 2.3.10	sum			
1.43	Maintenance and operation of temporary overpumping or other diversion method	sum			
1.44	Establishment and removal of traffic diversions as necessary to comply with Specification Clauses 2.1.14, 2.1.15 and 2.1.18	sum			
1.45	Maintenance and operation of traffic diversions as necessary	sum			
1.46	Provide for on-site publicity sign ; as Specification Clause 2.1.19	sum			
1.47	Provide for all costs associated with compliance to the limit of trench opening ; as Specification Clause 2.3.12 and 2.3.24	sum			
1.48	Provide for all costs associated with compliance to work restrictions ; as Specification Clause 2.1.15, 2.1.17 and 2.1.18	sum			
1.49	Provide for Independent Concrete/materials Testing Authority, as Specification Clause 2.1.40	sum			
1/4	To Part Summary				

PART 1 - GENERAL ITEMS

Ref	Description	Unit	Qty	Rate	Amount
	<u>Specified requirements (Cont'd)</u>				
	<u>Testing of the Works</u>				
1.50	Initial pressure testing of all pipelines as Specification Clause 1.8.2	sum			
1.51	Final pressure testing of all pipelines as Specification Clause 1.8.2	sum			
1.52	Swab cleaning of all pipelines as Specification Clause 1.8.7	sum			
1.53	Sterilisation of all pipelines as Specification Clause 1.8.8	sum			
1.54	Bacteriological Testing of the watermain as Specification Clause 1.8.8	sum			
1/5	To Part Summary				

PART 1 - GENERAL ITEMS

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PIPELINE SECTION W1

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
	<u>PART 2: WORK ITEMS PIPELINE SECTION W1</u> <u>(Ballybrood/Gallaboola Local Secondary Road)</u> <u>THE FOLLOWING SCHEDULE LISTS THE ITEMS OF WORK TO BE PRICED. THESE ITEMS ARE NOT REMEASURABLE AND THE TOTAL PRICE IS TO BE A LUMP SUM PRICE TO INCLUDE ALL WORKS DESCRIBED HEREIN, AND AS SHOWN ON THE DRAWINGS OR LISTED/DESCRIBED WITHIN THE SPECIFICATION.</u> <u>Extra Over General Items to those items listed in Part 1 - General Items</u>				
2.1	Provide for obtaining road closure / road opening licences (ROL) for Pipeline Section W1 (Ballybrood/Gallaboola Road), as per Specification Clause 2.1.17 and 2.1.18, including payment of the following: 1. ROL Application Charges, as set out in Cl. 2.1.17 2. Road Closure Charges. Note: Items for ROL LTI Charges and Refundable Reinstatement Deposit Charges, as set out in Cl. 2.1.17, will be paid by the GWS.	sum			
2.2	Provide for traffic regulations and the maintaining traffic flows for the duration of the contract for Pipeline Section W1 (Ballybrood/Gallaboola Road), as Specification clause 1.1.12 and 2.1.18	sum			
2.3	Maintenance and operation of traffic regulations and the maintaining traffic flows for the duration of the contract on Pipeline Section W1 (Ballybrood/Gallaboola Road), as Specification clause 1.1.12 and 2.1.18	sum			
2.4	Establishment and removal of temporary traffic lights on Pipeline Section W1 (Ballybrood/Gallaboola Road), as Specification clause 2.1.18	sum			
2.5	Maintenance and operation of temporary traffic lights on Pipeline Section W1 (Ballybrood/Gallaboola Road), as Specification clause 2.1.18	sum			
2/1	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
	<u>PART 2: WORK ITEMS PIPELINE SECTION W1</u> <u>(Ballybrood/Gallaboola Local Secondary Road)</u> <u>THE FOLLOWING SCHEDULE LISTS THE ITEMS OF WORK TO BE PRICED. THESE ITEMS ARE NOT REMEASURABLE AND THE TOTAL PRICE IS TO BE A LUMP SUM PRICE TO INCLUDE ALL WORKS DESCRIBED HEREIN, AND AS SHOWN ON THE DRAWINGS OR LISTED/DESCRIBED WITHIN THE</u> <u>Installation of 63mm OD PE100 SDR11 coil pipe distribution main by Horizontal Drilling Techniques in accordance with the drawings and specification, total distance 30 m. Location as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0454</u> <u>SECTION W1 - J2 to RATHJORDAN</u>				
2.6	Horizontal directional drill pipeline along adjacent to Gallaboola/Rathjordan Road, Ch. 0 - 15 m	m	30		
	<u>Installation of 110 mm OD PE100 SDR11 coil pipe distribution main by Horizontal Drilling Techniques in accordance with the drawings and specification, total distance 2042 m. Location as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0452 to 0454</u> <u>SECTION W1 - J1 to J3</u>				
2.7	Horizontal directional drill pipeline in field adjacent to Ballybrood/Gallaboola Road, Ch. 0 - 15 m	m	10		
2.8	Horizontal directional drill pipeline along Ballybrood/Gallaboola Road, Ch. 0 - 400 m	m	400		
2.9	Horizontal directional drill pipeline along Ballybrood/Gallaboola Road, Ch. 668 - 2300 m	m	1632		
	<u>Pits, Pipeline Welding, Backfill & Reinstatement of Pits</u>				
2.10	Provide for the excavation of all launch and receival pits for HDD operation (Note: no pits to be left open overnight)	sum			
2.11	Pipeline Welding: Align pipes to achieve required depth of pipeline cover, inclusive of pit enlargement, including hand excavation to strip back pipes; weld pipeline using electrofusion collars, as per Detail 7 on Drg. No. 0502.	sum			
2.12	Provide for the excavation of pipeline cover confirmation pits on completion of HDD to provide confirmation that the required depth of cover to the pipeline has been achieved, as Specification Clause 2.4.1(7)	No.	4		
2.13	Backfill pits with compacted 804 material	sum			
2/2	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
2.14	Temporary reinstatement of pits in road, Detail 3, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, surface dressing, inclusive of 75mm compacted depth of AC10 or AC14 Close Surf 70/100 rec to cl. 912	sum			
2.15	Permanent Reinstatement of pits in road, Detail 4, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, surface dressing to CL.919/CL. 921 across full road carriageway width reinstatement, inclusive of structural AC layer of 75mm compacted depth of AC20 dense bin 70/100 rec to CL906 across excavated pit area only.	sum			
2.16	Permanent reinstatement of pits in grass verge, Detail 1, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502	sum			
	<u>Installation of 110mm OD PE100 SDR11 coil pipe distribution main by open cut excavation in road in accordance with the drawings and specification. Location as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0452 to 0454</u>				
	<u>SECTION W1 - J1 to J3</u>				
2.17	Provision, excavating and laying 110mm OD pipe, (inclusive of welding) along Ballybrood/Gallaboola Road, Ch. 400 - 668 m	m	268		
2.18	Provision, excavating and laying 110mm OD pipe, (inclusive of welding) along Ballybrood/Gallaboola Road, Ch. 2300 - 2557m	m	257		
	<u>Installation of 180mm OD PE100 SDR11 coil pipe distribution main by open cut excavation in road in accordance with the drawings and specification. Location as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0452</u>				
	<u>SECTION W1 - J3 to Reservoir</u>				
2.19	Provision, excavating and laying 180mm OD pipe, (inclusive of welding) along Ballybrood/Gallaboola Road, Ch. 2567 - 2637m	m	70		
2.20	Provision, excavating and laying 180mm OD pipe, (inclusive of welding) in Reservoir Site, Ch. 2637 - 2643m	m	6		
	<u>Pipeline Welding, Bedding, Backfilling & Reinstatement</u>				
2.21	Bedding, Class E, as Detail 1 on Drg. No. 0500	m	571		
2.22	Concrete Surround to pipeline, as Detail 3 on Drg. No. 0500	m	30		
2.23	Backfill trench with 804 material (trench width adopted for measure 450mm)	m³	230		
2.24	Extra-over excavation; rock in trenches and chambers ; see Preamble Item 5 (trench width for measure 450mm)	m³	115		
2/3	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
2.25	Temporary reinstatement of trenches in road, Detail 3, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, surface dressing, inclusive of 75mm Compacted depth of AC10 or AC14 Close Surf 70/100 rec to cl. 912	m	595		
2.26	Permanent Reinstatement of trenches in road, Detail 4, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, surface dressing to CL.919/CL. 921 across full road carriageway width, inclusive of a structural AC layer of 75mm compacted depth of AC20 dense bin 70/100 rec to CL906 across excavated pipe trench width only.	m	595		
2.27	Additional excavation, backfilling, bedding and reinstatement arising from over-break due to unforeseen ground conditions arising during trench excavation and for the Contractor's required method of construction, refer to Preamble Items 12 and 13 <u>Valves, Chambers, Connections & Crossings, as detailed on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0501</u>	sum			
2.28	Sluice valves, nominal bore 100mm (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	7		
2.29	Sluice valves, nominal bore 50mm (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	4		
2.30	Scour valves, nominal bore 100mm (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.). Include for laying 25m of 100mm dia. scour line to stream	nr.	1		
2.31	Hydrant (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	Nr.	4		
2.32	Air valves (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	4		
2.33	2" Electromagnetic Bulk meter, inclusive of chamber, marker post & plate, kiosk, slab, ducting, data logger, connection to existing telemetry system and all associated fittings within and without chamber, etc.; as shown on Detail on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0504 (Note:SV's measured above).	nr.	2		
2.34	Crossing of utility services, Eircom	nr.	9		
2.35	Crossing of box culverts	nr.	3		
2.36	Crossing of piped drains and surface water gully pipes	nr.	8		
2.37	Connections to existing truck mains, inclusive of all requirements to facilitate connection (fittings measured under Junction items below).	nr.	2		
2/4	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
2.38	Junction J1; All pipeline fittings, tees, bends, etc. as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0503 (Note: SV's measured above)	Sum			
2.39	Junction J2; All pipeline fittings, tees, bends, etc. as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0503 (Note: SV's & BM's measured above)	Sum			
2.40	Junction J3; All pipeline fittings, tees, bends, etc. as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0503 (Note: SV's & BM's measured above)	Sum			
	<u>Thrust blocks, Mix 'B' concrete</u>				
2.41	Volume not exc. 0.1m3 , located at tees, as detailed on Nr. 25023-TJOC-XX-XX-DR-C-0503	nr.	8		
2.42	Volume not exc. 0.2 - 0.3 m3, located at thrust flanges for SV's, as detailed on Nr. 25023-TJOC-XX-XX-DR-C-0503	nr.	9		
	<u>Installation of house service connection pipes in public road (from mains to meter boxes), 25mm OD PE100 SDR11 pipes in accordance with the drawings and specification. The adopted trench width for measure for items listed below is 300mm.</u>				
2.43	Provision, excavating and laying 25mm O.D. house service pipes, inclusive of tapping tees and fittings, in road	m	370		
2.44	Bedding, Class E, as detailed on drawing,	m	370		
2.45	Backfill trench with cement bound material, transverse road crossings (trench width adopted for measure 300mm)	m³	95		
2.46	Extra-over excavation; rock in trenches and chambers ; see Preamble Item 5 (trench width adopted for measure 300mm)	m³	30		
2.47	Temporary reinstatement, Detail 2, Drg. Nr. Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, 75 mm AC 10 or AC 14 Close Surf 70/100 rec to Cl. 912. nominal bore 25 mm O.D. house service pipes crossing roads	m	282		
2.48	Permanent road reinstatement, Detail 5, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, 40 mm AC 10, or 14 close surf to Cl. 912 laid on 60 mm AC 20 to Cl. 906, nominal bore 25 mm O.D. house service pipes crossing roads	m	282		
2.49	Reinstatement of road grass margins , Detail 1, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, nominal bore 25 mm O.D. house service pipes crossing roads	m	86		
2.50	Consumer meter and boxes with integral check valve, water meter and ancillary fittings and marker post	nr.	2		
2/5	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
2.51	Connect to existing consumer meter boxes, inclusive of all required couplers, fittings, etc.	nr.	47		
2.52	Crossing of culverts, sewers and drains	nr.	15		
2.53	Crossing of utility services, Eircom	nr.	8		
	<u>Reservoir Site Works</u>				
2.54	General site clearance of shrubs, bushes, etc. along proposed route of new mains in Reservoir site	Sum			
2.55	Demolition of section of existing Reservoir site block boundary wall (min. width 3.5m) to facilitate pipeline construction of new mains measured in Item 2.20 above. Reconstruct wall on completion of mains construction in accordance with wall construction detail on Drg. Nr. 1321-01-TJOC-XX-XX-DR-C-0504	Sum			
2.56	Provide for coring existing reservoir tank to facilitate connection of new mains into tank in accordance with detail on Drg. Nr. 1321-01-TJOC-XX-XX-DR-C-0503	Sum			
2.57	Provide for a temporary reservoir bypass system to facilitate supply to GWS network during the coring operation measured in Item 2.56 above, inclusive of 30m of 110mm PE100 main laid above ground, connection to existing rising main and connection to existing distribution mains, inclusive of all valves and fittings associated with the temporary bypass system as detailed on Drg. No. 25023-TJOC-XX-XX-DR-C-0452 and as per Specification Clause 2.3.32	Sum			
2/6	To Part Summary				

PART 2 : WORK ITEMS PIPELINE SECTION W1

Ref	Description	Unit	Qty	Rate	Amount
2.58		sum			
	<u>ALL OTHER CHARGES</u> The Contractor may insert hereunder any other work Items concerning the construction of the Pipeline Works itemised under this Part and which he wishes to list out or price separately. In addition, the sum inserted here shall cover all other items required under the Works Requirements concerning the Works, but which have not been listed individually here in the Pricing Document Listed as follows: 1 2..... 3.....				
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To Part Summary					

PART 2 : WORK ITEMS PIPELINE SECTION W1

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PIPELINE SECTION W2

PART 3 : WORK ITEMS PIPELINE SECTION W2

Ref	Description	Unit	Qty	Rate	Amount
	<u>PART 3: WORK ITEMS PIPELINE SECTION W1</u> <u>(REGIONAL ROAD R513)</u> <u>THE FOLLOWING SCHEDULE LISTS THE ITEMS OF WORK TO BE PRICED. THESE ITEMS ARE NOT REMEASURABLE AND THE TOTAL PRICE IS TO BE A LUMP SUM PRICE TO INCLUDE ALL WORKS DESCRIBED HEREIN, AND AS SHOWN ON THE DRAWINGS OR LISTED/DESCRIBED WITHIN THE SPECIFICATION.</u> <u>Extra Over General Items to those items listed in Part 1 - General Items</u>				
3.1	Provide for obtaining road closure / road opening licences (ROL) for Pipeline Section W2 (R513), as per Specification Clause 2.1.17 and 2.1.18, including payment of the following: 1. ROL Application Charges, as set out in Cl. 2.1.17 2. Road Closure Charges. Note: Items for ROL LTI Charges and Refundable Reinstatement Deposit Charges, as set out in Cl. 2.1.17, will be paid by the GWS.	sum			
3.2	Provide for traffic regulations and the maintaining traffic flows for the duration of the contract for Pipeline Section W2 (R513), as Specification clause 1.1.12 and 2.1.18	sum			
3.3	Maintenance and operation of traffic regulations and the maintaining traffic flows for the duration of the contract on Pipeline Section W2 (R513), as Specification clause 1.1.12 and 2.1.18	sum			
3.4	Establishment and removal of temporary traffic lights on Pipeline Section W2 (R513), as Specification clause 2.1.18	sum			
3.5	Maintenance and operation of temporary traffic lights on Pipeline Section W2 (R513), as Specification clause 2.1.18	sum			
3/1	To Part Summary				

PART 3 : WORK ITEMS PIPELINE SECTION W2

Ref	Description	Unit	Qty	Rate	Amount
	<u>PART 2: WORK ITEMS PIPELINE SECTION W1</u> <u>THE FOLLOWING SCHEDULE LISTS THE ITEMS OF WORK TO BE PRICED. THESE ITEMS ARE NOT REMEASURABLE AND THE TOTAL PRICE IS TO BE A LUMP SUM PRICE TO INCLUDE ALL WORKS DESCRIBED HEREIN, AND AS SHOWN ON THE DRAWINGS OR LISTED/DESCRIBED WITHIN THE SPECIFICATION.</u> <u>Installation of 110mm OD PE100 SDR11 coil pipe distribution main by Horizontal Drilling Techniques in accordance with the drawings and specification, total distance 2130 m. Location as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0451</u> <u>SECTION W1 - J4 to J5</u>				
3.6	Horizontal directional drill pipeline along R513 Regional Road; Ch. 0m - 865 m	m	865		
	<u>Pits, Pipeline Welding, Backfill & Reinstatement of Pits</u>				
3.7	Provide for the excavation of all launch and receival pits for HDD operation (Note: no pits to be left open overnight)	sum			
3.8	Pipeline Welding: Align pipes to achieve required depth of pipeline cover, inclusive of pit enlargement, including hand excavation to strip back pipes; weld pipeline using electrofusion collars, as per Detail 7 on Drg. No. 0502.	sum			
3.9	Provide for the excavation of pipeline cover confirmation pits on completion of HDD to provide confirmation that the required depth of cover to the pipeline has been achieved, as Specification Clause 2.4.1(7)	No.	2		
3.10	Backfill pits with compacted 804 material	sum			
3.11	Temporary reinstatement of pits in road, Detail 3, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, surface dressing, inclusive of 75mm Compacted depth of AC10 or AC14 Close Surf 70/100 rec to cl. 912	sum			
3.12	Permanent reinstatement of pits in road, Detail 4, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, SMA surface course to CL.942, across half road carriageway width, inclusive of structural AC layer of 75mm compacted depth of AC20 dense bin 70/100 rec to CL906 across excavated pit area only	sum			
3.13	Permanent reinstatement of pits in grass verge, Detail D1, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502	sum			
3/2	To Part Summary				

PART 3 : WORK ITEMS PIPELINE SECTION W2

Ref	Description	Unit	Qty	Rate	Amount
	<u>Valves, Chambers, Connections & Crossings, as detailed on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0501</u>				
3.14	Sluice valves, nominal bore 100mm (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	4		
3.15	Sluice valves, nominal bore 50mm (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	4		
3.16	Hydrant (inclusive of chamber, marker post & plate, and all associated fittings within and without chamber, etc.)	nr.	1		
3.17	2" Electromagnetic Bulk meter, inclusive of chamber, marker post & plate, and all associated fittings within and 1 m outside chamber; as shown on Detail on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0504 (Note:SV's measured above).	nr.	2		
3.18	Connections to existing truck mains, inclusive of all requirements to facilitate connection (fittings measured under Junction items below).	nr.	4		
3.19	Crossing of utility services, Eir	nr.	3		
3.20	Crossing of box culverts	nr.	2		
3.21	Crossing of piped drains and surface water gully pipes	nr.	4		
3.22	Junction J4; All pipeline fittings, tees, bends, etc. as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0503 (Note: SV's, BM's measured above)	Sum	1		
3.23	Junction J5; All pipeline fittings, tees, bends, etc. as shown on Drg. Nr. 25023-TJOC-XX-XX-DR-C-0503 (Note: SV's, BM's measured above)	nr.	1		
	<u>Thrust blocks, Mix 'B' concrete</u>				
3.24	Volume not exc. 0.1m3 , located at tees, as detailed on Nr. 1321-01-TJOC-XX-XX-DR-C-0133	nr.	8		
3.25	Volume not exc. 0.2 - 0.3 m3 , located at thrust flanges, as detailed on Nr. 1321-01-TJOC-XX-XX-DR-C-0133	nr.	6		
	<u>Installation of house service connection pipes in public road (from mains to meter boxes), 25mm OD PE100 SDR11 pipes in accordance with the drawings and specification. The adopted trench width for measure for items listed below is 300mm.</u>				
3.26	Provision, excavating and laying 25mm O.D. house service pipes, inclusive of tapping tees and fittings, in road	m	40		
3.27	Bedding, Class E, as detailed on drawing,	m	40		
3/3	To Part Summary				

PART 3 : WORK ITEMS PIPELINE SECTION W2

Ref	Description	Unit	Qty	Rate	Amount
3.28	Backfill trench with cement bound material, transverse road crossings (trench width adopted for measure 300mm)	m³	12		
3.29	Extra-over excavation; rock in trenches and chambers ; see Preamble Item 5 (trench width adopted for measure 300mm)	m³	4		
3.30	Temporary reinstatement, Detail 2, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, 75 mm AC 10 or AC 14 Close Surf 70/100 rec to Cl. 912. nominal bore 25 mm O.D. house service pipes crossing roads	m	32		
3.31	Permanent road reinstatement, Detail 5, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, 40 mm AC 10, or 14 close surf to Cl. 912 laid on 60 mm AC 20 to Cl. 906, nominal bore 25 mm O.D. house service pipes crossing roads	m	32		
3.32	Reinstatement of road grass margins , Detail 1, Drg. Nr. 25023-TJOC-XX-XX-DR-C-0502, nominal bore 25 mm O.D. house service pipes crossing roads	m	8		
3.34	Connect to existing consumer meter boxes, inclusive of all required couplers, fittings, etc.	nr.	10		
3.35	Crossing of culverts, sewers and drains	nr.	15		
3.36	Crossing of utility services, Eircom	nr.	10		
<u>ALL OTHER CHARGES</u>					
3.49	The Contractor may insert hereunder any other work Items concerning the construction of the Pipeline Works itemised under this Part and which he wishes to list out or price separately. In addition, the sum inserted here shall cover all other items required under the Works Requirements concerning the Works, but which have not been listed individually here in the Pricing Document Listed as follows: 1 2..... 3.....	sum			
3/4	To Part Summary				

PART 3 : WORK ITEMS PIPELINE SECTION W2

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CAHERLINE NEWTOWN GROUP WATER SCHEME
NETWORK UPGRADE

PRICING DOCUMENT - GRAND SUMMARY

Part 1: General Items for Pipeline Section EUR

Part 2: Work Items Pipeline Section W1 EUR

Part 3: Work Items Pipeline Section W2 EUR

Fixed Contract Lump Sum (Excl. VAT) EUR

TENDER SUM BROUGHT FORWARD TO VOLUME EUR
B FORM OF TENDER

Signed : _____

On behalf : _____

Address : _____

Date : _____