

By	P Murphy				
Date	28th September 2026				

NOTES on Completion of Open Cut Works Document

- 1 Contractor shall wherever possible arrange to lay mains by Open Cut Trench in roadway verges and adjacent to boundary fence as indicated on drgs .
- 2 Contractor shall submit detailed method statement and settlement control measures for sections of the pipe route that have been provided by Open Cut Works
- 3 As built information shall include
RTK GPS survey,
CAD/GIS output,
coordinates of fittings and crossings,
accurate Open Cut piping crossing records.
- 4 The Client should be provided grant aid funding through UE through Kilkenny County Council for these works.
- 5 As specified, the tender must be provided on a lump sum fixed price basis only, the tendering contractor to be responsible for the correct estimation of all quantities, plant, labour and attendances necessary to complete the entire works.
- 6 A Provisional schedule of quantities is provided in this section of the tender documents for supplementary works should they be necessary due to difficulty in carrying out specified works outlined below
- 7 Civil and other items of works, set out in this Pricing Document, are presented in an inclusive general descriptive format only and the tenderer must include for the total construction of all elements of the works, to include supply and fix all materials, all plant, equipment, labour, attendances, installations, structural steelwork working drawings, connections, commissioning , testing and all associated services and civil construction necessary to complete the works.
- 8 Also an item is included in the schedule to enable the Tenderer to include for any equipment or item of work not listed in the Pricing Document that is considered necessary for the satisfactory completion of the works.
- 9 This pricing document is to be read in conjunction with all drawings and specifications.
- 10 The Contractor must price all items in this schedule separately and fully.
- 11 The Employer reserves the right to carry out some or all of the works and to omit any work elements without incurring liability for loss of work or profit.
- 12 Where the tenderer offers 'equal' product, material, equipment or plant in place of one specified, the rate tendered shall be deemed to include all obligations and costs associated with incorporation into the works, including design, provision of data, drawings, working drawings, certificates, awaiting approvals, and associated modifications, civil works, ducting's, mechanical and electrical services, and amendments to the works.

Item	Description	Unit	Quantity	Euro Rate	Euro Total
1.0	WATERMAINS				
	<i>Items listed below should include: _ provision of watermains; excavate trenches to a minimum depth of 1.1m from adjacent road surface level and to a min gradient of 1:200, lay and joint pipes on a bed of fine material; backfill as per drawings and include for placement of blue Water marker ribbon at a depth of 300mm below surface of finished dig.</i>				
1.01	20mm (1/2") HDPE Watermains	linear metres	20		0
1.02	25mm (3/4") HDPE Watermain in lawn/field	linear metres	20		0
1.03	32mm 2.4. (1" HDPE) Watermains in hardcore	linear metres	0		0
1.04	32mm (1" HDPE) Watermains in farmland	linear metres	20		0
1.05	32mm (1" HDPE) Watermains in lawn	linear metres	0		0
1.06	OD50 HDPE SDR17Watermains laid in Field by mole plough	linear metres	825		0
1.07	OD50 HDPE SDR17Watermains laid in Field by Open Cut Trenchwork	linear metres	60		0
1.08	OD63HDPE SDR17 Watermains in road margin	linear metres	1		0
1.09	OD90 HDPE SDR17Watermains laid in grass margin where trench is more than 1m from road edge	linear metres	797		0
1.10	OD90 HDPE SDR17Watermains laid in grass margin where trench is less than 1m from road edge	linear metres	7		0
1.11	OD90 HDPE SDR17Watermains laid in field	linear metres	15		0
1.12	OD90 HDPE SDR17 Watermains laid in concrete footpath surfaces where trench is parallel road cut for footpaths	linear metres	5		0
1.13	OD90 HDPE SDR17Watermains laid in tarmac surfaces across roads or located across house entrances with lean mix fill	linear metres	5		0
1.14	OD90 HDPE SDR17 Watermains laid in lawned areas less than 1m from edge of road	linear metres	72		0
1.15	OD90 HDPE SDR17 Watermains laid in lawned areas greater than 1m from edge of road	linear metres	10		0
1.16	OD110HDPE SDR17 Watermains laid in field more than 1m from road edge	linear metres	15		0
1.17	OD110HDPE SDR17 Watermains laid in grass margin where trench is greater than 1m from road edge	linear metres	295		0
1.18	OD110HDPE SDR17 Watermains laid in hard-core or gravel where trench is less than 1m or > 1m from road edge	linear metres	703		0
1.19	OD110HDPE SDR17 Watermains laid in tarmac surfaces across roads or located across house entrances with lean mix fill	linear metres	127		0
					0
2.0	BEDS AND SURROUND TO WATER MAIN		0		0
2.0	<i>EXTRA OVER ITEM 1 for provision of 150mm granular material - bed and surround to</i>		0		0
2.1	50, 90, 110 HDPE Watermains	linear metre	2112		0
3.0	TRENCH REINSTATEMENT -25, 32, 40, 50, 63, 90,110mm pipe				
	<i>All excavations shall be backfilled and reinstated in accordance with Drawings attached. Contractor shall include for all other costs associated with the road crossing including hire of safety equipment and temporary road surface materials. The Gardai and Local Radio shall be kept informed of any disruption to traffic. Traffic Control measures are the sole responsibility of the Contractor, and shall be in accordance with the Publications “Traffic Signs Manual Chapter 8 Temporary Traffic Measures and Signs for Roadworks” as issued by Department of Transport issue 10.3 November 2006 and it later replacement which is to take effect from late 2008 “Guidance for the Control and Management of Traffic at Roadworks” published jointly by the Department of Transport and NRA in October 2007. Such measures shall remain in operation until the works are fully completed to the satisfaction of the Roads Authority. It is the responsibility of the Contractor to locate all existing services and to safeguard same during the course of Construction . <u>The Contractor shall be liable for damage and consequential damage to existing services.</u></i>				
3.1	EXTRA OVER ITEM 1. Reinstatement of Grass verge to Local Authority specification as per trench detail No 2.2 where trench is more than 1m from road edge	linear metre	1102		0
3.2	EXTRA OVER ITEM 1. Reinstatement of Grass verge to Local Authority specification as per trench detail No 2.1 where trench is less than 1m from road edge	linear metre	782		0
3.3	EXTRA OVER ITEM 1. Reinstatement of Gravel/ Hard-core driveways / Frontages as per trench detail No 2.3/2.4 where trench is less than 1m from road edge	linear metre	703		0
3.4	EXTRA OVER ITEM 1. Reinstatement of Lawn finishes as per trench detail No 2.2	linear metre	102		0
	Page 1 Total				0

Item	Description	Unit	Quantity	Rate	Total
3.5	EXTRA OVER ITEM 1. Reinstatement of stone verge/footpath as per trench detail No 3.1	linear metre	47		0
3.6	EXTRA OVER ITEM 1. Reinstatement in road to Local Authority specification across junctions and at side or through roads as per trench detail no 1.2.traverse crossing of roads requiring lean mix concrete backfill. Note Contractor also to include for any overbreak due to rock presence in trenches.	Sq. meters	132		0
3.7	EXTRA OVER ITEM 1. Reinstatement of excavated lands to Local Authority specification as per trench detail No 2.2 where trench is in an agricultural field. Allow for erection of temporary electric fence, reseeding, picking and removal of stones, removal of excess excavated material, etc. to the satisfaction of land owner	linear metre	955		0
3.8	Costs for obtaining a Road Opening Licence and Temporary Road Closure Licence from Laois Co Co area office at Portlaoise and all administrative fees including correspondences, meetings with officials and representatives during course of works.	Item	1		0
3.9	Cost for financing road opening licence for 24 months as per NRA requirements	Item	1		0
			0		0
4.0	EXISTING SERVICES				0
4.1	EXTRA OVER ITEM 1 for excavating and laying watermains parallel, across/under/over/ adjacent to existing services. (25, 50, 80 and 100mm Watermains, pipedrain, ESB, Power or Telephone Cables or ducts)	linear metre	60		0
4.2	EXTRA OVER ITEM 1 for excavating and laying watermains parallel, across/under/over/ adjacent to existing storm water pipe mains	linear metre	29		0
4.3	EXTRA OVER ITEM 1 for reinstatement of existing roadside drains and cuttings after pipes and fittings are laid and tested.		60		0
4.4	EXTRA OVER ITEM 1 for maintaining supplies to consumers for at least 12 hours per day during the course of pipelaying, testing, disinfection or Boundary Box connection procedures.	Item	1		0
5.0	EXISTING ROADSIDE WALLS		0		0
5.1	Excavating and laying pipework within 1 metre of existing stone walls not more than 1.2 high	linear metre	225		0
5.2	Excavating and laying pipework within 1 metre of existing stone walls more than 1.2 high	linear metre	124		0
5.3	Excavating and laying pipework within 1 metre of existing concrete walls	linear metre	10		0
					0
6.0	VALVES AND FITTINGS				0
	<i>Provide and install all necessary valves and fittings as per design drawings, to include precast concrete chamber or Polypit modular chamber sections or similar to suit 400mm by 260mm surface cover to an approved DIN Standard concreted into position, surrounded in Clause 804 material and complete with ID marker plates on concrete marker posts. These chambers shall be constructed in Grass margin at preselected and approved locations. Should it be necessary that valves have to be located in the carriageway then detail of reinforced chamber to be agreed with engineer before proceeding with its provision and shall be treated as an extra to the contract. All valve marker plates shall be in compliance with Laois Co Co requirements and shall include pipe nominal diameter, distance to mains from post, valve type, etc.</i>				0
6.1	Provide and install 100mm Sluice Valves	nr	3		0
6.2	Provide and install 80mm Sluice Valves	nr	3		0
6.2	Provide and install 40mm isolation Valves	nr	3		0
6.3	Provide and install 80mm Scour Valves on 110mm watermains	nr	1		0
6.4	Provide and install 50mm Scour Valves on 90mm watermains	nr	2		0
					0
6.5	Provide and install Double Acting Kinetic Type Air Valves with lever action isolation valve and suitable extension pipe off tee connection		0		0
	on 110mm watermains	nr	4		0
	on 90 & 50mm watermains	nr	3		0
					0
6.6	Provide and install Fire Hydrants		0		0
	on 100mm Watermains (Note: these shall serve as scour valves)	nr	4		0
	Page 2 Total		0		0

Item	Description	Unit	Quantity	Rate	Total
6.7	<i>Provide and install Bulk Flow meter chambers as per design drawings. Each meter shall be set centrally in a 1250mm Diameter precast concrete or equivalently sized precast or blockwork chamber and shall be provided with a DIN rated cast iron cover surround in concrete frame and located downstream of an isolation sluice valve. A flowmeter and sluice valve marker plate shall be fitted local to each Chamber. Both chamber and protective sleeve shall be surrounded in clause 804 or 515 filling. These chambers where possible shall be constructed in Grass margin.</i>				0
6.7.1	Provide and install a 80mmnb Flowstar Bulk water Meter of approved type on 100mm nb mains. The turbine type flow meter shall be provided at downstream side of a Sluice valve at each location (Included in listing above) and a 0.5m straight length of pipe if required to achieve reqd accuracy shall be provided at upstream and down stream side of meter. Transponder lead to be fitted on bulk meter	nr	0		0
6.7.1	Provide and install a 50mmnb Flowstar Bulk water Meter of approved type on 50mm nb mains. The turbine type flow meter shall be provided at downstream side of a Sluice valve at each location (Included in listing above) and a 0.5m straight length of pipe if required to achieve reqd accuracy shall be provided at upstream and down stream side of meter. Transponder lead to be fitted on bulk meter	nr	1		0
6.7.1	Provide and install a 50mmnb Flowstar Bulk water Meter of approved type on 50mm nb mains. The turbine type flow meter shall be provided at downstream side of a Sluice valve at each location (Included in listing above) and a 0.5m straight length of pipe if required to achieve reqd accuracy shall be provided at upstream and down stream side of meter. Transponder lead to be fitted on bulk meter	nr	0		0
6.7.2	Construct a replacement 1500mm dia by 1.2m deep flow meter chamber c/w CI cover for the existing 80mm Flowstar bulk water meter relocated on the new 100mm nb mains. Allow for removal of existing flow meter and Telemetry unit and install in new chamber. Allow for 100 to 80mm eccentric taper connections between new main and relocated flowmeter. Allow for decommissioning existing chamber, removal of cover, demolition of old chamber and back filling with 804 stone. Supply and erect new post and name plate for the meter and adjacent valves	Nr	11		0
6.8.1	Provide Cast Iron couplings and joint assemblies at junction between existing 2" nb uPVC and proposed 110 HDPE SDR17 mains	nr	1		0
6.9	Provide and install 100mm Blank end with blank flange, tail piece, bolts and gasket set at the end of the lines	nr	2		0
6.10	Provide and install 80mm Blank end with blank flange, tail piece, bolts and gasket set at the end of the lines on Shaen Road	nr	2		0
7.0	ANCHOR BLOCKS				0
7.1	Provide 100mm, 80, 63 & 50od nb 90 deg, 45 and 22 1/2 deg bends and Anchor Blocks as reqd	no	35		0
7.2	Provide Anchor blocks at Tee Junctions and blank ends	no	8		0
					0
8.0	MAINS CONNECTIONS				0
	<i>Provide and install saddle, ferrule, 1/2" HG service pipe to 1/2" EBCO Telescopic Boundary Box with DI Lid Grades A & B and with pressure rating of 16 bar or approved equivalent (WIS 4-37-01) as per drawings provided. This box shall contain 1/2" stop cock, Non return valve and blank cap for retrofitting of an ABB Kent Elster V210 flow meter or approved equivalent, insulation block, adjustable riser section to heavy duty removable cover on top and Shut Off valve key to the requirements of Laois Co Co and requirements of Specification attached in Part 5. Include for provision of Boundary box adapter fittings to connect up to the existing 1/2" or 3/4" pipe between saddle and consumer's connection. Include in rates for discussions with committee and owners of connections who will assist in identifying locations of existing mains, supply lines and proposed location for each chamber.</i>				0
8.1	Supply of 1/2" Boundary Box c/w valves and connecting up to watermains	no	14		0
8.2	As above but excluding chamber and meter. Blank end required on the 6 m long hose extension for connecting up to existing meter or retrofitting of meter by others at some future date.	no	0		0
8.3	Exposing existing 2", 3" & 100mm uPVC mains for connecting up to new 100mm nb uPVC PN 10 mains. Include also for provision of necessary couplings, anchor blocks and backfilling.	no	1		0
8.4	Exposing existing consumer boundary box or isolation valve and supply mains for blanking them off from existing mains and/or neighbouring connections and connecting it up to new supply PE mains and boundary box connections . It should be assumed that GWS committee will identify where the existing pipes & boundary boxes are located and where blank ends shall be made. Saddles and interconnecting pipework shall be provided where necessary	no	1		0
	Page 3 Total				0

Item	Description	Unit	Quantity	Rate	Total
8.5	Supply and install 25mm nb pressure regulating valve assembly located in HDPE or Precast concrete chamber alongside the existing main and c/w push type inlet and outlet connection for the common consumer main, local isolation valve, y strainer, glycerine filled 50mm dia pressure gauge and frost protection cover.	No	6		0
8.6	Boundary Box meter and integral transponder Free issued by Scheme	No	14		0
8.7	External bridge crossing for 110OD HDPE pipe to be placed In a 200mm nb GMS pipe and supported on galvanised mild steel brackets . Exposed pipework and fittings shall be insulated and lagged to minimise risk of freezing at temperatures as low as -18deg C	m	6		0
9.0	Road Crossing by Directional drilling or Boring				0
	Extra over Item 1 For provision of road crossing by directional drilling or boring tool from proposed watermain to consumer meter box property located on opposite side of road crossing at a minimum depth of 600mm under finished road level. Include for provision of 30OD HDPE SDR 11 piping, launch and landing pits for boring tools all as per trench details and reinstatement requirements of Laois Co Co "Guidelines for the Opening, Backfilling and Reinstatement of Trenches in Public Roads" as per Drawing No 15. It is the responsibility of the Contractor to locate all existing services and to safeguard same during the course of Construction . The Contractor shall be liable for damage and consequential damage to existing services. Assume a 5m distance between launch pit at service water mains and landing pit where consumer box shall be located .	m	75		0
10.0	RESERVOIRS				0
	Not Applicable				0
					0
11.0	Soft Verge Signs				0
	"Soft Verge" signs to be erected on every 75 meters in road verge	Nr	24		0
			0		0
12.0	Road Signs				0
12.1	Remove existing road signs, including sign, pole and foundation and reinstate as they were found as well as trees at road verge	nr	3		0
					0
13.0	Farm/Forestry entrances				0
13.1	Reinstatement of all disturbed farm/forestry entrances with 150mm of Cl. 804 filling.	m	10		0
13.2	Laying pipelines adjacent to trees		4		0
13.3	laying pipes adjacent to existing services, signs, valve chambers etc		1		0
14.0	Additional Marker Posts (exact type to be agreed with Engineer)				0
	"Water" marker post above boundary boxes. Marker posts to be SW Carthy White PVC marker Post complete with numbering system facility or Approved	nr	22		0
15.0	Spares				0
15.1	Valve Key	nr	1		0
16.0	FENCING				0
16.1	Temporary fencing in 30m by 40m compound provided at location yet to be agreed with local farmer within the pipe laying townlands. Include for 2 strands of electric fence, tidying up, removal and disposal in an approved manner all surplus materials on the works site as well as reseeding any areas damaged by traffic or temporary storage of materials.	Item	40		0
16.2	Hedge cutting at both sides of road where pipelaying is to take place to ensure adequate visibility is provided for road users during pipelaying procedure	Item	827		0
16.3	Reinstate hedges and embankments between fields when pipelaying, testing and reinstatement is completed. Arrange for whitethorn quicks to be planted in affected areas during dormant season. GWS caretaker to agree stock fencing details and quick locations	Item	10		0
17.0	CONTINGENCIES				0
17.1	Include sum for the completion of the scheme in accordance with the Department of Environment specifications and drawings supplied (Note 3)	Item	1		0
17.2	Hydraulically testing all new pipe lines to 1 1/2 times rating pressure (15bar) before going into service. Water for the tests shall be made available from the existing mains supply with agreement of Laois Co Co. Costs for the water shall be paid by the Employer. Tests to be witnessed by Laois Co Co representative and Engineer to scheme.	Item	2		0
17.3	Flushing out all lines after Hydraulic tests have been completed. Chlorinated Water shall be made available from existing mains through isolatable interconnections for flushing out the mains. After the lines have been flushed out all flowmeters and pressure regulation facilities shall be installed in the distribution mains and Consumer meters shall be installed in the boundary boxes. Construction of Valve chambers shall be completed and marker posts shall be erected.	item	2		0
	Total Page 4	Total			0

Item	Description	Unit	Quantity	Rate	Total
17.4	Disinfection of pipelines and fittings after all testing is completed and consumer connections are made. Allow for this to be carried out in one period at end of Project. Procedure and method statement for disinfection and disposal methods to be submitted for approval before commencement. All works in strict compliance with Laois Co Co and EPA chemical disposal regulations.	Item	2		0
17.5	Hire Charges for Safety Signs, traffic lights, etc. on this facility as deemed necessary by Laois Co Co Area Office	Item	1		0
17.6	Project Supervisor (Construction) Responsibility including setting up Site Safety File, Safety Statements, Work Procedures, Meeting and agree traffic management strategy with Resident Committee, Safety Meetings, Induction Programs, etc. (Note Contract period should be quite short and may not be necessary if project completed with the time and personnel constraints as set out in the Guidelines)	Item	1		0
17.7	Costs for provision of Works programme, Traffic Management Plan and Pipelaying Method Statement at least two working weeks prior to commencement of contract.	Item	1		0
17.8	Cost for Compliance with Traffic management regulations, including provision of Traffic Management Plans, Traffic lights, Traffic control signage, soft margin signs, etc.	Item	1		0
17.9	Removal, Transport and disposal of all surplus soil from field trenches, valve chambers to a P Doran's disposal area or a waste recovery site. Include for all costs associated with transport of material to Waste Recovery site, levelling material on site to acceptable manner and maintaining access roads in a safe and satisfactory manner. Contractor shall be responsible for maintaining security of this unmanned site(s) and restricting access to authorised personnel only by closing gates, control of keys, etc. Contractor shall be responsible for all costs	m^3	286		0
17.10	Removal, Transport and disposal of all Excavated bituminous materials from road excavations to a licensed waste recovery site. Contractor shall pay all costs associated with disposal of this matter. Transport and handling details as 15.9 above	m^3	10		0
					0
18.00	Insurance				0
	<i>Details and photocopies of current insurance policies and C2 certificates shall be included with tender being submitted whose value is not less than those stated below and in Parts 3 and 4 attached. Costs shall be provided for following:</i>		0		0
18.1	Public liability insurance shall be included for all work to be completed during the entire duration of the contract.	Item	1		0
18.2	Employers Liability Insurance shall also be included as well as Plant and Equipment Insurance	Item	1		0
18.3	Costs to indemnify Laois County Council and Heath GWS on your companies insurance policy.	Item	1		0
18.4	Indemnification of GWS in respect of any claim for bodily injury or property damage with the Contractor may incur by reason of the performance of the functions and duties of the Project Supervisor for the Construction Stage of the Project	Item	1		0
					0
19.0	MISCELLANEOUS		0		0
19.1	24 months repair and maintenance charge for Works carried out under this contract from date of take-over	Item	1		0
19.2	Provision of Waste Collection Permit(s) for disposal of material at licensed landfill.		1		0
19.3	Restricted use of tracked vehicles- the contractor shall provide a lump sum for compliance with the use of rubber wheeled or rubber tracked machinery	Sum	1		0
19.4	Decommissioning existing mains and blanking off redundant pipes and fittings, filling in redundant pipe and valve chambers, removal of redundant marker posts, etc.	Item	1		0
19.5	Adjustments to the Scope of Works to ensure works can be completed satisfactorily and in compliance with the Conditions of Contract PW-CF6V1.10b date 25/04/2017	Item	1		0
19.6	Arrangement to supply temporary water supply to consumers along route of mains.	Item	0		0
19.7	Mark up full set of Drawings to identify locations of all pipes, valves, bulk meters,, boundary boxes, etc. installed by the contractor as part of this project.	Item	1		0
19.8	Compliance with Construction Regulations 2013 including the provision of Welfare Facilities to Staff and visitors to the site works	Item	1		0
19.9	CSCS tickets, particularly for slinging/signalling, cable-location	Item	1		0
19.10	Safety data sheets for chemicals/substances such as cement, hypochlorite, etc.	Item	1		0
					0
Total Page 5		Total			0

Item	Description	Unit	Quantity	Rate	Total
20.00	Amount Carried forward from Schedule of Rates Sheet	Item	1		0
21.0	NOTES				
21.1	Note 1 No unauthorised alterations or additions should be made to this form of tender.				
21.2	Note 2 Quantities above taken from Drawing Numbers SA 26-01, /02,/03, /04 and may be adjusted up or down and dependant on final routes selected and confirmed on the ground by Engineer and Kilkenny Co Co				
30.0	MISCELLANEOUS				
31.0	Collapsing wall See Aharney SOR				0
32.0					
33.0					
34.0					
35.0					
36.0					
	Total Page 6 Total				€ -
	SUMMARY OF COSTS				Totals
	MAIN OFFER				
	PAGE ONE TOTAL				€ -
	PAGE TWO TOTAL				€ -
	PAGE THREE TOTAL				€ -
	PAGE FOUR TOTAL				€ -
	PAGE FIVE TOTAL				€ -
	PAGE SIX TOTAL				€ -
	Total Costs				€ -
	Fixed Price Lump Sump Contract additional charge				
	Additional charges	0	%		€ -
	Final selling price				0.00
	VALUE ADDED TAX				0.00
	TOTAL INCL VAT				€ -
	Signed by Contractor				
	Date				