



**Portsmouth Water Ltd**

**Developer Services**  
**Charging Arrangements 2020-21**

**Version 1.2**

 **DEVELOPER**

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## Document Control

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Revision Date	Version	Summary of Changes
31/01/2020	1.0	Final Version
04/02/2020	1.1	Correction to calculation error in Example 8 and Examples Summary.
19/03/2020	1.2	Updated missing 'Field, Grassland or Verge' Service Connection Charges.

## Introduction

This booklet contains details of Portsmouth Water's Developer Services Charges Scheme (the Charging Arrangements) for 2020-21. These charges come into effect on 1<sup>st</sup> April 2020.

These Charging Arrangements are published under the provisions of the Water Services Regulation Authority's (Ofwat) 'Charging Rules for New Connection Services' (December 2018). Ofwat's new charging rules apply to water and waste connections for domestic purposes that are made by water companies operating wholly or mainly in England. In this context "Connection Services" include providing water mains, connections to individual properties and diversions of water mains that need to be moved.

A copy of the "Charging Rules for New Connection Services" is available at:

<https://www.ofwat.gov.uk/publication/charging-rules-new-connection-services-english-undertakers/>

Please note that the term 'Developer Customer' throughout this booklet refers to Developers and builders, individuals wishing to connect, or re-connect, existing or developed properties to our water network and Companies that provide infrastructure for developers e.g. SLP and NAV.

Our Charging Arrangements have considered the four overarching principles outlined by Ofwat:

1. Stable and predictable charges;
2. Transparent and customer focused charging;
3. Fairness and affordability;
4. Environmental protection.

Each principle has equal importance, and needs to be balanced between Developer Customers and other customers and promote effective competition.

We consider that these rules present an opportunity to make a step change in the approach to charging, which will promote clearer and more transparent charges for Developer Services. In turn, this will allow direct comparison of the costs for contestable activity, thereby promoting efficient competition. We are also encouraged by the opportunities that the charges present, to promote sustainability and water efficiency.

Portsmouth Water has produced its Charging Arrangements in line with the principles set out in the Ofwat guidance.

Our overall objective, in line with Ofwat guidance, is to maintain the present balance of charges between Developer Customers and other customers. Since the April 2018 implementation of the new charging arrangements, we have no evidence that our actual revenue from developers is significantly different to the expectation at PR14, but will monitor this to ensure the balance of charges is maintained.

## Stakeholder Engagement

During 2019-20 we consulted with the economic regulator for water in England and Wales (Ofwat), the Consumer Council for Water (CCW), Fair Water Connections (FWC) and our Developer Customers on our new Charging Arrangements.

The feedback we have received following this engagement is summarised below, and has been used to make improvements to this document and the service we deliver to our developer customers.

- *Flat Rate for Income Offset*

We considered banding the income offset, so larger development sites receive a greater proportion of the income offset pot. However, in the interests of fairness and simplicity, we proposed a flat rate for the new income offset to share equally across all developer customers. There were no objections to this during our consultation.

- *Income Offset given when Infrastructure Charge payment is received*

*We asked our developer customers whether they supported the income offset applied when the infrastructure charge is paid. The responses to our consultation generally supported this and agreed it was the most logical time to apply the income offset.*

- *Common rate for service connection and service-laying rates*

We have simplified our service connection and service-laying rates by removing different rates for barrier pipe and standard pipe to create a common rate. This was following feedback from our customers that the multiple rates were confusing and that there was minimal cost variance between the two rates.

- *Additional pipe size options for mains connections and main-laying rates*

We have added additional rates for mains connections and main-laying, these include 63mm, 315mm and 355mm.

- *Separation of Mains Application and Mains Design charges*

Our existing fee for a mains requisition incorporated both application and design fee. To provide more cost transparency and promote competition we have separated our mains application and mains design fees into separate charges that can be applied individually based on the customers needs. We have applied the same changes to mains diversion application and design fees.

## Competition

We recognise that the market for new infrastructure is open to competition. Portsmouth Water provides an equivalent service to all of our customers; Developers, New Appointments and Variations (NAV) and Self Lay Providers (SLP). These Charging Arrangements are relevant to all parties and they aim to be reasonable and fair to all.

The options for the delivery and or ownership of our water assets are as follows:

- Installation of water supply connections - the developer can select an SLP, NAV, or Portsmouth Water;
- Operation of connections assets – developers and SLP's can choose a NAV or Portsmouth Water to take over and operate networks.

The services over which there is competition are referred to as “contestable”. There are some services, such as those linked to the security of water supply that can only be provided by Portsmouth Water. These are referred to as “non-contestable services”. Non-contestable services are defined in Appendix B.

For further details about competition in the connections market please refer to:

<https://www.ofwat.gov.uk/regulated-companies/markets/connections-market>

Further guidance on the NAV market is available at:

<https://www.ofwat.gov.uk/regulated-companies/markets/nav-market/>

Details of current NAVs can be found at:

<http://www.ofwat.gov.uk/publication/register-of-new-appointments-and-variations-granted-to-date/>

## Basis of Charges

### Defining Infrastructure

Where we provide new connections, or reinforce network assets because of new development, we will recover the cost using two distinct charges:

#### Site Specific charges

Site Specific charges will be payable for all work carried out by us on the development site and up to a defined point of connection to the existing water company network. These charges cover the cost of Site Specific work to provide any new pipework needed to connect the new houses to the nearest practical point on the existing network – and where the diameter of the new connecting pipework is no larger than the diameter of the company's existing network. The costs of these works will be recovered, in full, from the Developer Customer that requested the works.

#### Network Reinforcement charges

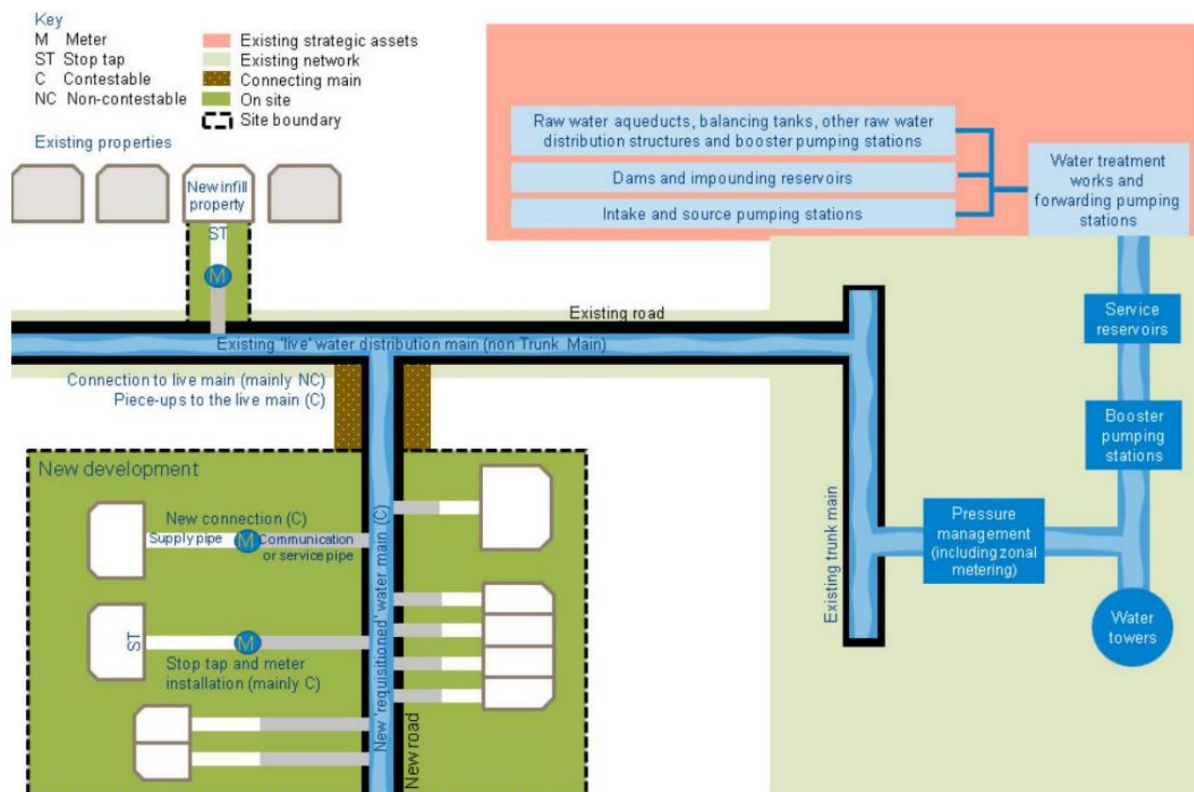
Network Reinforcement to provide for new development will be delivered by us with the cost recovered through a new approach to Infrastructure Charges. Reinforcement includes upgrades to the existing network and can also include upsizing works which the water company agrees should be provided to cater for other likely new connections.

The following diagram shows who pays for what in relation to water connections services. The diagram is annotated as follows:

Colour	Infrastructure	Who pays and how?
Dark green and brown shaded area	<b>Site Specific</b> work to connect the development to an appropriate point on the existing network	Developer or SLP customer through Site Specific charges
Light green shaded area	<b>Network reinforcement</b> – upgrades and increased capacity of existing network in consequence of new growth	Developers through the New Infrastructure Charge
Pink shaded area	New resources and treatment assets	Water company through 5-year (AMP) investment plan

Whilst the above example will operate in the majority of connections scenarios, some complex connection projects will involve a mixture of Site Specific work and Network Reinforcement. In these complex cases, we will apply the following charge cap to ensure that the Site Specific charge remains reflective of Ofwat’s rules.

Figure 1: Typical connections work, and the location of existing water assets



### Site Specific Charge Cap

Where we wish to specify a point of connection which is different from the nearest practical point referred to above, or we agree with the applicant on an alternative point of connection, the charge

for Site Specific Work will be capped. The cap will be equal to the lowest Site Specific charge that would otherwise result from connecting at the nearest practical point on the existing network where the connecting pipework is of a nominal bore internal diameter no larger than that of our existing network.

## Service Connection Charge

Our Service Connection Charges are outlined in the Cost Schedule. All charges associated with new service connections are fixed. There will be no “exceptional circumstances” that apply to our service connection charges.

These charges have been built up using an activity based costing approach using our term contractor, who was selected following a competitive tender process. By applying our term contractor’s standard rates, this allowed us to calculate a unit charge. Materials and the recovery of appropriate management overheads is included in our rates for service connection charges.

There are a number of activities associated with Service Connections that are contestable. We have included fixed application, administration and inspection fees associated where those activities are undertaken by a SLP. Non-contestable activities are outlined in Appendix B.

A water meter will be installed on new connections in accordance with Portsmouth Water’s supply agreement. The water meter remains the property of Portsmouth Water’s wholesale business. Where a water meter has been installed the measured tariff will apply - except where it has been installed for check purposes only in accordance with Portsmouth Water’s policy at the time and a customer has been previously notified of this in writing.

## Requisition Charges

Our requisition charges have been built up using an activity based costing approach using our term contractor, who was selected following a competitive tender process. By applying our term contractor’s standard rates, this allowed us to calculate a unit charge per metre. Materials and the recovery of appropriate management overheads is included in our rates for service connection charges. They will not include any amounts for network reinforcement costs.

There are a number of activities associated with mains requisitions that are contestable. We have also published fixed application, administration and inspection fees associated where those activities are undertaken by a SLP. Non-contestable activities are outlined in Appendix B.

Some requisition work is affected by third party influences or other factors beyond our control, and in these circumstances, our published fixed upfront charges may not be appropriate. In these rare cases, we will provide a bespoke estimate. Appendix C sets out the circumstances under which a bespoke estimate may be appropriate.

There may be occasions when a Developer Customer requisitions a main for a new development and we decide to upsize the asset to take account of future growth. Any costs associated with the upsizing, over and above that required for the mains requisition, will be borne by us, or if the future growth is anticipated within 5 years will fall within network reinforcement costs.



## Income Offset

In July 2019, Ofwat published revised charging rules for new connections that come into effect on 01 April 2020.

The drawbacks of the rules prior to 01 April 2020 were:

- Developer customers laying only 'service connections' on an existing main did not receive an income offset.
- The timing of the developer customer receiving the income offset, or equivalent, varied across the different customer groups.

The revised rules are intended to ensure all customer types are treated fairly and that cost transparency is improved between incumbents, SLPs and NAVs. A key requirement of the rules is that all developer customers are treated equally. To do this:

- We will no longer apply income offsets against the cost of a new main requisitions;
- we will no longer provide an asset payment where an SLP installs the water main;
- The 'new' income offset will be applied to infrastructure charges.

Ofwat's new charging rules will make the process fairer, and increase both transparency and efficiency, for developer customers.

The new income offset will be applicable to all new connections – not just, as currently happens, those customers connecting to a new water main. Whether, you are building a single house, close to our existing water network, or a big development, with a new water main – everybody will be eligible for the new income offset.

In the interests of fairness and simplicity, and after consultation with our developer customers, we have a flat rate for the new income offset to share equally across all developers, NAVs and self-lay providers for all sizes of developments, connections types, on new and existing mains.

The income offset payment will be made when the infrastructure charge is due on connection, and the income offset payment less the infrastructure charge will result in a net payment.

A key principle of the charging rules is that we take reasonable steps to ensure that the balance of charges between Developers customers and other customers, prior to the implementation of the rules in April 2018, is broadly maintained.

We have used the income offset to maintain our balance of charges between our developer customers and other customers. To achieve this we looked at our total allowed revenue for, and our forecasted revenue from our developer customers in 2020/21. The income offset was then used to adjust the revenue from developer customers in 2020/21 to the percentage of overall revenue that developer customers contributed in 2017/18.

The income offset has been calculated as -£467 for 2020/21. The income offset will be given as a payment to the customer, and applied when the infrastructure charge is due.

## Infrastructure Charges

Infrastructure charges enable companies to invest in general improvements in their existing network needed to meet increasing demand from new customers. Charged separately for water and sewerage services, they are payable when connecting a property to a public water supply or a public sewer for the first time for domestic purposes.

The purpose of the charge is a contribution to the cost of providing the infrastructure of pipes, pumping stations and treatment works necessary for the provision of water services as a direct consequence of new development and growth.

The level of Infrastructure Charge is set on a yearly basis and adjusted to ensure that expenditure costs are recovered over a five year period. This means that the infrastructure charge set every year will be based on the latest estimate of the predicted investment required and the number of new connections expected over the next 5 years, plus any correction from previous years' charges.

The Company has determined its infrastructure charges in accordance with the principle that such charges will, over a rolling five year period, cover expenditure on network reinforcement driven by new development and growth. This will ensure that the infrastructure charges will be cost-reflective and increase the clarity and transparency of charges. In practical terms this means that infrastructure charges may vary from year to year depending on the network reinforcement activity required in any 5 year rolling period.

This, together with the requirements that the current balance of charges between customers and developers is broadly maintained, ensures that developers will be protected. Specifically we have looked at the proposed development in our area over the next five years and established where additional capacity is required to ensure we can supply these new developments.

We consider that the Company area is one discrete zone as we generally consider we can move any volume of water around our network without significant issue. This means we will only have one single level of infrastructure charge for the Company as a whole.

The derivation of the infrastructure charge for 2020/21 is based on our estimate of the cost associated with infrastructure to meet new development over the next five years. This sum is assumed to be recovered over each new connection over a five year rolling period.

This establishes the value of £322 for 2020/21 and will be reviewed on an annual basis given the actual infrastructure requirements and actual connections activity.

The water infrastructure charge payable on a standard domestic property (i.e. a separately billed house, flat or separate unit) requiring a 25mm (0.75") service connection will be the standard water infrastructure charge. For domestic and non-domestic properties requiring a service connection greater than 25mm (0.75"), a Relevant Multiplier will be calculated based upon the number of water fittings and their related loading units where provided.

To calculate the Relevant Multiplier:

- i. ascertain the total number of water fittings in all the categories specified in column 1 of the following table
- ii. calculate by reference to column 2 of the table the aggregate loading units attributable to that total number of water fittings
- iii. divide the aggregate loading units by 24.

Water Fitting	Loading Units
WC flushing cistern	2.0
Wash basin in a house	1.5
Wash basin elsewhere	3.0
Bath (tap nominal size 20mm) (0.75") (see note 2)	10.0
Bath (tap nominal size larger than 20mm) (0.75") (see note 2)	22.0
Shower	3.0
Sink (tap nominal size 15mm) (0.50")	3.0
Sink (tap nominal size larger than 15mm) (0.50")	5.0
Spray tap	0.5
Bidet	1.5
Domestic appliance (subject to a minimum of 6 loading units per house) (see notes 3 and 4)	3.0
Communal or commercial appliance (see note 3)	10.0
Any other water fitting or outlet (including a tap, but excluding a urinal or water softener)	3.0

The resulting number will be the Relevant Multiplier and will be applied to the standard water infrastructure charge in order to calculate the amount payable for the relevant connection. If the resulting number is less than 1, the Relevant Multiplier will be 1.

Where no table of loading units is provided but a flow rate is requested, BSEN 806 Part 3 Appendix B shall be used to convert the flow rate to loading units to calculate the Relevant Multiplier. Where a table of loading units is provided but a meter and connection size of higher capacity is requested, BSEN 806 Part 3 Appendix B shall be used to convert the maximum continuous flow of the requested meter size to loading units to calculate the Relevant Multiplier. Alternatively the connection shall be provided with no additional capacity and shall be sized based on the table of loading units provided.

Notes:

1. Reference to any fitting includes reference to any plumbing, outlet, dedicated space or planning or other provision for that fitting.
2. 'Bath' includes a whirlpool bath and a Jacuzzi.
3. Domestic appliance' means a water using appliance (including a dishwasher, a washing machine and a waste disposal unit) in a house and 'communal or commercial appliance' means an appliance (including a dishwasher, a washing machine and a waste disposal unit) elsewhere in a house (including communal facilities).

4. In any calculation under charges a minimum of six loading units will be included in respect of each house for domestic appliances (whether or not the house has any such appliances) except, in the case of any house, where neither a washing machine nor a dishwasher can be provided (and there is no plumbing, outlet, dedicated space or planning or other provision for either appliance).

When a site is developed or redeveloped, including by means of conversion of a building or buildings on it, the Company will make an allowance for the water connections removed, where accounts have been paid, on the site at any time in the five year period before the development or redevelopment began in calculating the water infrastructure charge payable. The allowance given will be equal to the relevant infrastructure charge for the existing sized connection. These will be calculated on an individual basis.

## Application and Administration Fees

Since 01 April 2018, we have not been wholly recovering our costs for application and administration fees, associated with new service connections. To adhere to our competition obligations, and to maintain a level playing field, we propose to apply charges for application and administration fees in relation to new service connections.

Our application fee will cover costs associated with reviewing and acknowledging applications, checking to ensure we have all relevant information, preparing a quotation for the works and issuing a response.

Our administration fee will reflect costs we incur for planning and organising service connections.

Any potential increase in costs by the application of these fees has been taken into account in our income offset and the need to maintain the balance of charges.

## Water Efficiency

Anyone building a new home within the UK must comply with Part G of The Building Regulations 2010. These regulations state that any new homes must be built to provide no more than 125 litres of water per head per day.

South East England is a water stressed region and we are keen to work with developers and incentivise them to build new homes that are water efficient. Our aim is to reduce the average amount of water used by our customers per person per day.

Portsmouth Water would like to incentivise Developer Customers to build water efficient homes. Therefore, we are proposing that if Developer Customer can provide evidence of intention to build to a level of 100 litres per head per day, or less, we would provide a 50% allowance on infrastructure charges.

To ensure compliance, we will audit developments against the information submitted. We recognise that there are situations where a customer may remove water efficiency fixtures and fittings; therefore, our intention is not to recoup any discounted infrastructure charges if the customer chooses to remove any of the installations. The assessment will be carried out at point of sale only.

## Diversion Charges

Portsmouth Water does not allow building over any water mains or associated apparatus. An existing water main may need to be diverted to a different location due to its proximity to the vicinity of the planned works.

We currently charge diversionary work on a case by case basis, recovering reasonable expenses incurred. Ofwat's charging rules allow the option of upfront fixed charges for mains diversionary work.

We have considered whether we change our current approach to one of upfront fixed charges given that the infrastructure requirements for each diversion could vary substantially. Due to the varied requirements of each diversion, we shall continue to use our case by case approach to determine charges.

We shall only recover the cost reasonably incurred as a result of the diversion works. All or part of the works may be contestable in which case the Developer Customer will be given the opportunity to undertake the works themselves or employ a suitably qualified third party contractor to undertake those contestable elements.

There may be occasions when a Developer Customer requests a mains diversion and we decide to upsize the asset to take account of future growth. Any costs associated with the upsizing, over and above that required for the mains diversion, will be borne by us.

## Transitional Arrangements

We are aware that transitioning between the current and new charges may cause uncertainty for Developers, NAVs and SLPs, with regards to purchasing land or developing a site.

We recognise that transitional arrangements will be crucial especially at times of significant change. In this section we set out our initial thoughts on proposed transitional arrangements. Our proposed transitional arrangements:

- If a quotation is provided and it is still within the validity period of the quotation, then the quotation remains valid if the developer customer wishes to proceed.
- If a legal agreement is already in place, then the terms and conditions contained within that agreement remain valid for the life of the site contained in the agreement. This applies to requisition and infrastructure charges. The connection charge will be on the new charges.
- If a developer customer applies between the new charges being published (on 1 February 2020) and 1 April 2020, we will send out dual offers and the customer can choose which charges scheme they are quoted on. This provides a period of time between February 2020 and 1st April 2020 to decide whether the customer enters into an agreement with our new charging rules in place or the existing charging rules.
- If a developer customer has applied and paid but no work has started by 1 April 2020, then the customer can have the option to cancel this quotation and request a quote under the new charges.
- For existing agreements in place for our NAV customers, then the income offsets set out and defined within the original agreement, will remain valid for the life cycle of the agreement.

## Payment terms

With the exception of Infrastructure Charges, all services are generally payable in full, in advance.

Mains design fees are payable up-front at the time of application.

Mains requisition charges are payable on the acceptance of the quotation.

Service connection application fees are payable up-front at the time of application.

Service connection administration fees are payable on the acceptance of the quotation.

Service connections may be requested as required and payment will be required in advance of each connection request. This allows Developer Customers to manage cash outflows for large developments with multiple new connections.

Infrastructure charges may either be paid in advance or deferred for payment until the date of connection. Income offset payments shall be applied at the same time infrastructure charges are due.

Mains diversion works will generally be payable in full, in advance. However, in accordance with “Measures Necessary where apparatus is effected by major works (diversionary works, a code of practice) New Roads and Street Works Act 1991” certain organisations may be permitted to pay an up-front deposit with a balance payable on completion.

Full details of payment terms are included in our relevant Terms and Conditions and will be provided as part of the quotation.

We accept BACs, cheques and most credit / debit cards for payment for our services.

All charges shown throughout this document are exclusive of Value Added Tax (VAT). We will add VAT, if applicable, at the appropriate rate to our charges. The VAT rules are complex and primarily depend on the nature of the work undertaken and the type of property concerned. It is therefore not possible for us to set out the VAT liability for each item.

## Schedule of Rates

Please note Contestable activities are denoted by a 'C' and Non-Contestable by a 'NC' in the following tables.

### Service Connections

#### Service Connections & Service-Laying Charges

Service Connection Charges <sup>1</sup>									
	External Diameter	Charge Unit	Connection Location						
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation
C	25mm	per connection	£ 510	£ 723	£ 437	£ 475	£ 359	£ 355	£ 220
C	32mm	per connection	£ 525	£ 737	£ 451	£ 490	£ 374	£ 369	£ 234
C	50mm <sup>2</sup>	per connection	£ 742	£ 954	£ 666	£ 700	£ 576	£ 576	£ 437
C	63mm	per connection	£ 810	£ 1,023	£ 735	£ 768	£ 643	£ 645	£ 504

<sup>1</sup> All connection charges are inclusive of the first two metres of service pipe.

Service-Laying Charges									
	External Diameter	Charge Unit	Service-Laying Location						
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation
C	25mm	per metre	£ 223	£ 435	£ 159	£ 192	£ 43	£ 76	£ 28
C	32mm	per metre	£ 224	£ 436	£ 161	£ 194	£ 45	£ 77	£ 29
C	50mm <sup>2</sup>	per metre	£ 234	£ 446	£ 171	£ 200	£ 47	£ 80	£ 25
C	63mm	per metre	£ 252	£ 464	£ 188	£ 217	£ 64	£ 97	£ 40

<sup>2</sup> 50mm pipe is not available for service connections or service-laying where the ground is contaminated and barrier pipe is required.

## Temporary Building Supply Disconnection Charges

Temporary Building Water Disconnection Charges									
	External Diameter	Charge Unit	Disconnection Location						
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation
NC	25mm <sup>1</sup>	per disconnection	£ 341	£ 610	£ 275	£ 297	£ 152	£ 217	£ 12

<sup>1</sup> Temporary building supplies of greater external diameter than 25mm shall be calculated at cost.

## Administration Charges

Application Charges			
	Charge Item	Charge Unit	Charge
NC	Service Application - (first connection)	per application	£ 65
NC	Service Application - (additional connections)	per additional connection	£ 30
NC	Service Administration - (first connection)	per connection	£ 55
NC	Service Administration - (additional connections)	per additional connection	£ 25
NC	Self-Lay Service Application - (first connection)	per application	£ 50
NC	Self-Lay Service Application - (additional connections)	per additional connection	£ 15
NC	Site-Specific Water Distribution Systems Designs Approval (by others)	per application	£ 100
NC	Point of Connection Enquiry	per application	£ 98



## Water Meters

Meter Supply Charges				
	Meter Size	Meter Installation Type	Charge Unit	Supply <sup>1</sup>
NC	20mm	WMMB / INT	per meter	£ 20
NC	20mm	SBB	per meter	£ 20
NC	25mm	SBB	per meter	£ 74
NC	40mm	SBB	per meter	£ 165
NC	50mm	SBB	per meter	£ 719

Meter Installation Charges				
	Meter Size	Meter Installation Type	Charge Unit	Installation <sup>2</sup>
C	20mm	WMMB / INT	per meter	£ 17
C	20mm	SBB	per meter	£ 352
C	25mm	SBB	per meter	£ 628
C	40mm	SBB	per meter	£ 1,124
C	50mm	SBB	per meter	£ 1,407

<sup>1</sup> Supply includes only the cost of the relevant meter.

<sup>2</sup> Installation includes the cost of the installation of the meter and associated materials.

## Ancillary Charges

Ancillary Charges				
	Charge Item	Charge Unit	Charge	
NC	Trench Re-Inspection	per inspection	£	75
C	Trench Inspection of Self-Lay	per inspection	£	15
NC	Water Quality Sampling & Analysis	per sample	£	62
NC	Additional Site Visit	per visit	£	75
NC	Abortive Visit <sup>1</sup>	per visit	£	120

<sup>1</sup> An Abortive Visit charge will be applied per visit and include any costs associated with the aborted visit.

## Mains Requisitions, Mains Diversions & Self-Lay

### Main-Laying Charges

Main-Laying Charges (where barrier pipe is not required)									
	External Diameter	Charge Unit	Service-Laying Location						
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation
C	63mm	per metre	£ 162	£ 256	£ 115	£ 131	£ 52	£ 85	£ 29
C	90mm	per metre	£ 164	£ 258	£ 117	£ 133	£ 54	£ 88	£ 31
C	125mm	per metre	£ 170	£ 263	£ 122	£ 138	£ 59	£ 93	£ 36
C	180mm	per metre	£ 220	£ 337	£ 163	£ 177	£ 84	£ 122	£ 52
C	250mm	per metre	£ 259	£ 376	£ 202	£ 216	£ 123	£ 161	£ 91
C	315mm	per metre	£ 359	£ 504	£ 289	£ 306	£ 192	£ 239	£ 148
C	355mm	per metre	£ 386	£ 531	£ 316	£ 334	£ 220	£ 267	£ 176

Main-Laying Charges (where barrier pipe is required)									
	External Diameter	Charge Unit	Service-Laying Location						
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation
C	63mm	per metre	£ 181	£ 275	£ 134	£ 150	£ 71	£ 104	£ 47
C	90mm	per metre	£ 184	£ 278	£ 137	£ 153	£ 74	£ 107	£ 50
C	125mm	per metre	£ 198	£ 291	£ 150	£ 166	£ 87	£ 121	£ 64
C	180mm	per metre	£ 250	£ 367	£ 192	£ 207	£ 113	£ 151	£ 81
C	250mm	per metre	£ 324	£ 442	£ 267	£ 281	£ 188	£ 226	£ 156
C	315mm	per metre	£ 427	£ 571	£ 357	£ 374	£ 260	£ 307	£ 216
C	355mm	per metre	£ 452	£ 597	£ 382	£ 395	£ 286	£ 333	£ 242

## Mains Connection Charges

Mains Connection Charges										
	External Diameter	Charge Unit	Connection Location							
			Flexible Carriageway	Rigid Carriageway	Flexible Footway	Rigid Footway	Unmade Ground	Field, Grassland or Verge	No Excavation	
NC <sup>1</sup>	63mm	per connection	£ 2,518	£ 3,935	£ 1,975	£ 2,129	£ 1,261	£ 1,728	£ 1,113	
NC <sup>1</sup>	90mm	per connection	£ 2,572	£ 4,071	£ 2,059	£ 2,216	£ 1,345	£ 1,812	£ 1,249	
NC <sup>1</sup>	125mm	per connection	£ 2,603	£ 4,106	£ 2,111	£ 2,265	£ 1,397	£ 1,863	£ 1,280	
NC <sup>1</sup>	180mm	per connection	£ 3,094	£ 4,592	£ 2,499	£ 2,656	£ 1,784	£ 2,251	£ 1,637	
NC <sup>1</sup>	250mm	per connection	£ 3,745	£ 5,244	£ 3,284	£ 3,441	£ 2,569	£ 3,036	£ 2,422	
NC <sup>1</sup>	315mm	per connection	£ 5,909	£ 7,408	£ 5,448	£ 5,605	£ 4,733	£ 5,200	£ 4,586	
NC <sup>1</sup>	355mm	per connection	£ 6,897	£ 8,395	£ 6,435	£ 6,592	£ 5,721	£ 6,188	£ 5,573	

<sup>1</sup> Some Mains Connections may be deemed Contestable, please see Appendix B for further information.

## Mains Commissioning Charges

Mains Commissioning Charges			
	Charge Item	Charge Unit	Charge
NC	Pressure Testing <sup>1</sup>	per metre	£ 5
NC	Chlorination <sup>1</sup>	per metre	£ 10
NC	Sampling	per sample	£ 90

<sup>1</sup> Charges are applicable for mains up to 355mm external diameter.

## Administration Charges

Administration Charges				
	Charge Item	Charge Unit	Charge	
NC	Asset Enquiry	per development	£	30
NC	Point of Connection Enquiry	per development	£	138
NC	Pre-Development Enquiry	per development	£	152
NC	Mains Application	per development	£	97
C	Mains Design	per development	£	373
NC	Mains Design (by others) <sup>1</sup> Approval	per development	£	228
C	Design Change	per development	£	249
NC	Hydraulic Assessment	per development	£	250
NC	Mains Diversion Application	per diversion	£	124
C	Mains Diversion Design	per diversion	£	415
NC	Mains Diversion Design (by others) <sup>1</sup> Approval	per diversion	£	290

<sup>1</sup> Mains Designs undertaken by others must hold the relevant Water Industry Registration Scheme (WIRS) accreditation.

## Ancillary Charges

Ancillary Charges				
	Charge Item	Charge Unit	Charge	
NC	Abortive Visit <sup>1</sup>	per visit	£	124
NC	Remobilisation to Site	per visit	£	800
NC	Additional Site Visit	per visit	£	83
NC	Site Inspection	per inspection	£	83
NC	Environmental Assessment	per hour	£	110

<sup>1</sup> An Abortive Visit charge will be applied per visit and include any costs associated with the aborted visit.

## Traffic Management Charges

Traffic Management Charges			
	Charge Item	Charge Unit	Charge
C	2-way Traffic Signals	per week	£ 234
C	3-way Traffic Signals	per week	£ 544
C	4-way Traffic Signals	per week	£ 685
C	TTRO for planned works of 5 days or less	per item	£ 1,058
C	TTRO for planned works of 6 days or more	per item	£ 2,785

West Sussex County Council Permit Charges				
	Charge Item	Charge Unit	Charge	Charge
			Road Category 0-2 or Traffic Sensitive	Road Category 3-4 and Non-Traffic Sensitive
C	Major Activity or requiring a TTRO	per permit	£ 247	£ 103
C	Major Activity 4 to 10 days	per permit	£ 134	£ 41
C	Major Activity up to 3 days	per permit	£ 67	£ 21
C	Standard Activity	per permit	£ 134	£ 41
C	Minor Activity	per permit	£ 67	£ 21

Hampshire County Council Permit Charges				
	Charge Item	Charge Unit	Charge	Charge
			Road Category 0-2 or Traffic Sensitive	Road Category 3-4 and Non-Traffic Sensitive
C	Major Activity or requiring a TTRO	per permit	£ 247	£ 149
C	Major Activity 4 to 10 days	per permit	£ 134	£ 77
C	Major Activity up to 3 days	per permit	£ 67	£ 46
C	Standard Activity	per permit	£ 134	£ 77
C	Minor Activity	per permit	£ 67	£ -

## Infrastructure Charges

Infrastructure Charges				
	Charge Item	Charge Unit	Charge	
NC	Standard Infrastructure Charge	per connection	£	322
NC	Non-Standard Infrastructure Charge <sup>1</sup>	per connection	Relevant Multiplier <sup>2</sup>	
NC	Water Efficiency Allowance	per connection	50%	
NC	Infrastructure Charge Income Offset	per connection	-£	467

<sup>1</sup> Non-Standard Infrastructure Charges will be applied for domestic and non-domestic properties requiring a service connection greater than 25mm (0.75”).

<sup>2</sup> Relevant Multiplier will be applied to the Standard Infrastructure Charge based upon the number of water fittings and their related loading units where provided.

## Appendices

### Appendix A: Definitions

#### **AMP**

Asset Management Period

#### **Asset Payment**

- i. in relation to a section 51A agreement with a water undertaker, the amount described in section 51CD(3) of the Water Industry Act 1991; and
- ii. in relation to a section 104 agreement with a sewerage undertaker, the amount described in section 105ZF(3) of the Water Industry Act 1991.

#### **CCW**

Consumer Council for Water

#### **Charging Arrangements**

A document setting out the charges, Income Offsets and Asset Payments, and/or the methodologies for calculating those, applied by a water undertaker in accordance with the Ofwat Charging rules for new connection services.

#### **Charging Year**

A calendar year running from 1 April in a given year to 31 March in the following year.

#### **Connection Charges**

Charges that will be imposed by an undertaker for work carried out by it in accordance with the duties (or rights) created by the following provisions of the Water Industry Act 1991: section 45(1) (connection with Water Main); section 46(1) (ancillary works for purposes of making a domestic connection).

#### **Contestable Work**

Work or services that either the relevant undertaker or persons other than the relevant undertaker may do or provide.

#### **Development**

Premises on which there are buildings, or on which there will be buildings when proposals made by any person for the erection of any buildings are carried out, and which require connection with, and/or modification of, existing water infrastructure.

#### **Diversion Charges**

Charges imposed by an undertaker pursuant to section 185(5) of the Water Industry Act 1991.

#### **Fixed Charges**

Charges set for a given Charging Year which are fixed in amount or which are calculated by reference to a predetermined methodology set out in the undertaker's Charging Arrangements, the application of which allows calculation at the outset of the total amount owing in that Charging Year in respect of the charges in question. Such charges are to be fixed for a Charging Year, as defined above.

#### **Income Offset**

A sum of money offset against the infrastructure charge to maintain the balance of charges between our developer customers and other customers, prior to April 2018.

**INT**

Internal Water Meter

**Network Reinforcement**

Refers to work other than Site Specific Work, as defined below to provide or modify such other:

- i. Water Mains and such tanks, service reservoirs and pumping stations, or
- ii. Sewers and such pumping stations as is necessary in consequence of the Site Specific installation or connection of Water Mains, Service Pipes, Public Sewers and Lateral Drains pursuant to a duty imposed on the undertaker by the Water Industry Act 1991, whether by requisition (under sections 41(1), 98(1) or 98(1A)), under an agreement for adoption (under sections 51A or 104), pursuant to section 45(1) (Duty to make connections with main) or in accordance with another duty imposed by the Act, or in consequence of the exercise of rights under section 106(1) (Right to communicate with public sewers).

It also includes the additional capacity in any earlier water main or sewer that falls to be used in consequence of the provision or connection of a new main or sewer.

**NAV**

New Appointments and Variations. Are limited companies holding an appointment as a relevant undertaker where the conditions of that appointment limit the charges that can be fixed under a charges scheme by reference to the charges fixed by one or more other relevant undertakers.

**Non-contestable Work**

Work or services that only the relevant undertaker (or an agent acting on their behalf) can do or provide (see Appendix B).

**OFWAT**

Office of Water Services (The Water Services Regulation Authority)

**PR19**

Price Review 2019

**Requisition Charges**

Charges that will be imposed by an undertaker for work carried out by it in accordance with the duties imposed by section 41(1) (provision of requisitioned Water Main) of the Water Industry Act 1991.

**SBB**

Standard Boundary Box

**Site Specific**

Work on, or the provision of, water structures or facilities located on a Development as well as work to provide and connect a requested Water Main, Communication Pipe, to or in the immediate vicinity of, the Development and "Site Specific Work" shall be construed accordingly. It does not refer to costs or work required as part of Network Reinforcement as defined above.

**SLP**

Self-Lay Provider



**TTRO**

Temporary Traffic Regulation Order

**Undertaker**

A water company appointed under the WIA 91 to provide water services to a defined geographic area and which owns the supply system and other infrastructure.

**Water Main**

Any pipe, not being a pipe for the time being vested in a person other than an undertaker, which is used or to be used by a water undertaker or licensed water supplier for the purpose of making a general supply of water available to customers or potential customers of the undertaker or water supply licensee, as distinct from for the purpose of providing a supply to particular customers. This definition includes tunnels or conduits which serve as a pipe and any accessories for the pipe.

**WIA**

The Water Industry Act 1991 sets out the main powers and duties of the water and sewerage undertakers.

**WIRS**

Water Industry Registration Scheme

**WMMB**

Wall Mounted Meter Box

## Appendix B: Definition of Non-contestable activities in the design and construction of water mains and services

We will allow a SLP to do all elements of work to provide water supplies to new developments other than those defined as non-contestable in the table below.

It is envisaged that the implementation of the New Charging Rules will mean that some of the terms used in the Self-lay Code of Practice will need to be updated. That Code will remain the definitive reference document for contestable and non-contestable water supply works, although in the meantime, the content in Table B1 is provided to illustrate the changes that might be needed.

<b>Design</b>
Design work for Network Reinforcement and Enhancement
Sizing of pipes design guidance – water companies retain responsibility for specifying pipe sizing criteria. Application of the design guidance is a contestable activity.
<b>Design Approval</b>
Approving on-site water distribution systems designs (except where self-certification arrangements are in place).
<b>Installation</b>
It is expected that Network Reinforcement work will normally be undertaken by a water company under the proposed new charging arrangements except where the water company requests a developer or SLP to oversize the assets they are providing to allow for later development. Network Reinforcement, or Diversion works whose construction heightens the risk of damage to existing water distribution systems or interrupting supplies to existing customers. (See note below). Network Reinforcement which is provided for a general area or as part of a company's investment programme.
Mains connections that involve heightened risk to existing assets or could affect supplies to existing customers. (See note below).
Serving notices for land entry, and negotiation with third party landowners and occupiers.
Source of water connections to water companies' existing assets.
Service connections larger than 63mm diameter except where the connection is to be constructed as part of main laying works.
Service connections less than 63mm on existing mains where the water company assess that the condition of the main or the material heightens the risks to existing assets or could affect supplies to existing customers. (See note below).
<b>Commissioning</b>
Decommissioning redundant mains following a diversion.

### Notes:

1. Restrictions on SLPs undertaking work apply when we assess that the construction works significantly heightens either the risk of damage being caused to our existing assets, risk to water quality, or the works interrupting the supplies to our existing customers. The thresholds for this assessment will be set in accordance with our policies for all work on our water distribution

systems and allowing SLPs to do work on pipework with such assessments may be subject to accreditation requirements and controls specified in the terms offer.

2. Where a SLP carries out water sampling and quality testing they shall comply with the sampling procedure detailed in our specific schedule of permissible materials and construction arrangements. Testing should be by a UKAS accredited laboratory.
3. Where a SLP has the necessary access permissions installing the new part of diversions made necessary by a development should be considered as contestable work provided that doing this work does not significantly heighten either the risk of damage being caused to existing assets or the works interrupting the supplies to existing customers.
4. The connection of diversions into existing network systems and the decommissioning of diverted mains are non-contestable works as they are likely to affect supplies to existing customers.

## Appendix C: Exceptions to standard charging (Requisitions Only)

Due to the nature of connections work, there are circumstances where the cost incurred by us is affected by external factors. These external factors may be outside of our immediate knowledge or control and, in a limited set of exceptional circumstances, could lead to significant cost variance. For this reason, Ofwat has agreed that we are not required to provide fixed upfront charges in respect of the following:

1. Diversion works (see s185 of the Water Industry Act), and;
2. Water infrastructure work requested by the developer (see S41 and S98 of the Water Industry Act) where “it would be unreasonable to expect an undertaker (i.e. Water Company) to do so”.

For standard water connections no such exception applies and are therefore subject to fixed charges.

In principle, having consulted stakeholders, water companies consider that in the following circumstances, it may not be reasonable for them to provide an upfront fixed charge for the work:

- i. The technical complexity of the work is high or the type of work required is bespoke or carried out infrequently, or;
- ii. Third parties can legitimately recover their costs from us and there is not a reasonable level of certainty of those costs in advance of connection work being undertaken, or;
- iii. Third parties have rights to protect their assets or interests in a way that affects the construction method. The third parties’ requirements are unknown upfront, or;
- iv. The work is to be carried out on or close to land with particular environmental, historical or archaeological characteristics. These characteristics mean that specific measures are required during construction or reinstatement. The details of these measures may not be fully defined in advance of construction.

Where the above circumstances occur, we will be unable to provide a fixed upfront charge for the entire works, and will provide a budget estimate comprising a mixture of:

- i. Indicative or estimated charges for the elements of works affected by the circumstances above, and;
- ii. Fixed upfront charges for the elements of the work where there is sufficient certainty and it is reasonable to do so.

We anticipate that there will be occasions where providing an indicative estimate is not possible or where the estimate will not meet the degree of confidence desired by the customer. In such cases, the parties will need to decide how to proceed.

## Appendix D: Ofwat Specific Scenarios

Ofwat require companies to set out worked examples for typical developments. The examples show comparisons between 2019/20 and 2020/21 for changes for a typical development and include requisition charges, infrastructure charges, connection charges, income offset (infrastructure payments), application and administration fees.

### Examples Summary

Examples Summary	2020/21 Charge	2019/20 Charge	Δ %
Single Connection - Short Side (4m road)	£ 968	£ 1,464	-34%
Single Connection - Long Side (4m road, 4m unmade ground)	£ 1,140	£ 1,632	-30%
Block of Flats - Short Side (4m road)	£ 849	£ 5,153	-84%
Block of Flats - Long Side (4m road, 4m unmade ground)	£ 1,105	£ 5,445	-80%
Small Development (90mm PE- 10m road, 90mm PE - 20m unmade ground, 63mm PE - 20m unmade ground) - 10 Connections	£ 10,169	£ 9,297	+9%
Medium Development (180mm PE- 10m road, 180mm PE - 90m unmade ground, 125mm PE - 100m unmade ground, 90mm PE - 100m unmade ground) - 50 Connections	£ 41,539	£ 43,284	-4%
Large Development (180mm PE- 10m road, 180mm PE - 290m unmade ground, 125mm PE - 300m unmade ground, 90mm PE - 400m unmade ground) - 50 Connections	£ 129,599	£ 162,988	-20%
Self-Lay Large Development (180mm PE- 10m road, 180mm PE - 290m unmade ground, 125mm PE - 300m unmade ground, 90mm PE - 400m unmade ground) - 50 Connections	-£ 21,640	£ 11,086	-295%

These examples are based on specific measurements and quantities provided by Ofwat for typical developments. Cost will vary depending on the circumstances and requirements of your particular development. Mains diameter, mains length, number of service connections and traffic management requirements will influence the cost for your development.

### Example 1: Single Connection - Short Side

Single Connection - Short Side (4m road)							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Application Fee			1	per application	£ 65	£ 65	
Administration Fee			1	per connection	£ 55	£ 55	
Water Regulations Inspection			1	per connection			£ 73
Service Connection Charge	25mm	Flexible Carriageway	1	per connection	£ 510	£ 510	£ 532
Service-Laying Charge	25mm	Flexible Carriageway	2	per metre	£ 223	£ 446	£ 476
Meter Supply Charge	20mm	WMMB	1	per metre	£ 20	£ 20	£ 21
Meter Installation Charge	20mm	WMMB	1	per metre	£ 17	£ 17	£ 18
Service-Laying Cost						£ 1,113	£ 1,120
Infrastructure Charge			1	per connection	£ 322	£ 322	£ 344
Infrastructure Charge Income Offset			1	per connection	-£ 467	-£ 467	
Infrastructure Cost						-£ 145	£ 344
<b>Total Cost</b>						<b>£ 968</b>	<b>£ 1,464</b>

## Example 2: Single Connection - Long Side

Single Connection - Long Side (4m road, 4m unmade ground)							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Application Fee			1	per application	£ 65	£ 65	
Administration Fee			1	per connection	£ 55	£ 55	
Water Regulations Inspection			1	per connection			£ 73
Service Connection Charge	25mm	Flexible Carriageway	1	per connection	£ 510	£ 510	£ 532
Service-Laying Charge	25mm	Flexible Carriageway	2	per metre	£ 223	£ 446	£ 476
Service-Laying Charge	25mm	Unmade Ground	4	per metre	£ 43	£ 172	£ 168
Meter Supply Charge	20mm	WMMB	1	per metre	£ 20	£ 20	£ 21
Meter Installation Charge	20mm	WMMB	1	per metre	£ 17	£ 17	£ 18
Service-Laying Cost						£ 1,285	£ 1,288
Infrastructure Charge			1	per connection	£ 322	£ 322	£ 344
Infrastructure Charge Income Offset			1	per connection	-£ 467	-£ 467	
Infrastructure Cost						-£ 145	£ 344
<b>Total Cost</b>						<b>£ 1,140</b>	<b>£ 1,632</b>

### Example 3: Block of Flats - Short Side

Block of Flats - Short Side (4m road)							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Application Fee (first connection)			1	per application	£ 65	£ 65	
Application Fee (additional connections)			9	per additional connection	£ 30	£ 270	
Administration Fee (first connection)			1	per connection	£ 55	£ 55	
Administration Fee (additional connections)			9	per additional connection	£ 25	£ 225	
Water Regulations Inspection			1	per connection			£ 73
Service Connection Charge	63mm	Flexible Carriageway	1	per connection	£ 810	£ 810	£ 734
Service-Laying Charge	63mm	Flexible Carriageway	2	per metre	£ 252	£ 504	£ 516
Meter Supply Charge	20mm	WMMB	10	per metre	£ 20	£ 200	£ 210
Meter Installation Charge	20mm	WMMB	10	per metre	£ 17	£ 170	£ 180
Service-Laying Cost						£ 2,299	£ 1,713
Infrastructure Charge			10	per connection	£ 322	£ 3,220	£ 3,440
Infrastructure Charge Income Offset			10	per connection	-£ 467	-£ 4,670	
Infrastructure Cost						-£ 1,450	£ 3,440
<b>Total Cost</b>						<b>£ 849</b>	<b>£ 5,153</b>



#### Example 4: Block of Flats - Long Side

Block of Flats - Long Side (4m road, 4m unmade ground)							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Application Fee (first connection)			1	per application	£ 65	£ 65	
Application Fee (additional connections)			9	per additional connection	£ 30	£ 270	
Administration Fee (first connection)			1	per connection	£ 55	£ 55	
Administration Fee (additional connections)			9	per additional connection	£ 25	£ 225	
Water Regulations Inspection			1	per connection			£ 73
Service Connection Charge	63mm	Flexible Carriageway	1	per connection	£ 810	£ 810	£ 734
Service-Laying Charge	63mm	Flexible Carriageway	2	per metre	£ 252	£ 504	£ 516
Service-Laying Charge	63mm	Unmade Ground	4	per metre	£ 64	£ 256	£ 292
Meter Supply Charge	20mm	WMMB	10	per metre	£ 20	£ 200	£ 210
Meter Installation Charge	20mm	WMMB	10	per metre	£ 17	£ 170	£ 180
Service-Laying Cost						£ 2,555	£ 2,005
Infrastructure Charge			10	per connection	£ 322	£ 3,220	£ 3,440
Infrastructure Charge Income Offset			10	per connection	-£ 467	-£ 4,670	
Infrastructure Cost						-£ 1,450	£ 3,440
<b>Total Cost</b>						<b>£ 1,105</b>	<b>£ 5,445</b>

### Example 5: Small Development - 10 Connections

Small Development (90mm PE- 10m road, 90mm PE - 20m unmade ground, 63mm PE - 20m unmade ground) - 10 Connections							
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	2019/20 Charge
Mains Application			1	per development	£ 97	£ 97	
Mains Design			1	per development	£ 373	£ 373	£ 460
Mains Connection Charge	90mm	Flexible Carriageway	1	per connection	£ 2,572	£ 2,572	£ 2,527
Main-Laying Charge	90mm	Flexible Carriageway	8	per metre	£ 184	£ 1,472	£ 1,464
Main-Laying Charge	90mm	Unmade Ground	20	per metre	£ 74	£ 1,480	£ 1,400
Main-Laying Charge	63mm	Unmade Ground	20	per metre	£ 71	£ 1,420	£ 1,400
Pressure Testing			50	per metre	£ 5	£ 250	£ 250
Chlorination			50	per metre	£ 10	£ 500	£ 500
Sampling			3	per sample	£ 90	£ 270	£ 255
Main-Laying Cost						£ 8,434	£ 8,256
Pre 2020-21 Income Offset (70%)							-£ 5,779
Application Fee (first connection)			1	per application	£ 65	£ 65	
Application Fee (additional connections)			9	per additional connection	£ 30	£ 270	
Administration Fee (first connection)			1	per connection	£ 55	£ 55	
Administration Fee (additional connections)			9	per additional connection	£ 25	£ 225	
Water Regulations Inspection			10	per connection			£ 730
Service Connection Charge	25mm	No Excavation	10	per connection	£ 220	£ 2,200	£ 2,260
Meter Supply Charge	20mm	WMMB	10	per metre	£ 20	£ 200	£ 210
Meter Installation Charge	20mm	WMMB	10	per metre	£ 17	£ 170	£ 180
Service-Laying Cost						£ 3,185	£ 3,380
Infrastructure Charge			10	per connection	£ 322	£ 3,220	£ 3,440
Infrastructure Charge Income Offset			10	per connection	-£ 467	-£ 4,670	
Infrastructure Cost						-£ 1,450	£ 3,440
<b>Total Cost</b>						<b>£ 10,169</b>	<b>£ 9,297</b>

### Example 6: Medium Development - 50 Connections

Medium Development (180mm PE- 10m road, 180mm PE - 90m unmade ground, 125mm PE - 100m unmade ground, 90mm PE - 100m unmade ground) - 50 Connections							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Mains Application			1	per development	£ 97	£ 97	
Mains Design			1	per development	£ 373	£ 373	£ 460
Mains Connection Charge	180mm	Flexible Carriageway	1	per connection	£ 3,094	£ 3,094	£ 2,986
Main-Laying Charge	180mm	Flexible Carriageway	8	per metre	£ 250	£ 2,000	£ 1,928
Main-Laying Charge	180mm	Unmade Ground	90	per metre	£ 113	£ 10,170	£ 9,180
Main-Laying Charge	125mm	Unmade Ground	100	per metre	£ 87	£ 8,700	£ 7,800
Main-Laying Charge	90mm	Unmade Ground	100	per metre	£ 74	£ 7,400	£ 7,000
Pressure Testing			50	per metre	£ 5	£ 250	£ 250
Chlorination			50	per metre	£ 10	£ 500	£ 500
Sampling			6	per sample	£ 90	£ 540	£ 510
Main-Laying Cost						£ 33,124	£ 30,614
Pre 2020-21 Income Offset (70%)							-£ 21,430
Application Fee (first connection)			1	per application	£ 65	£ 65	
Application Fee (additional connections)			49	per additional connection	£ 30	£ 1,470	
Administration Fee (first connection)			1	per connection	£ 55	£ 55	
Administration Fee (additional connections)			49	per additional connection	£ 25	£ 1,225	
Water Regulations Inspection			10	per connection			£ 3,650
Service Connection Charge	25mm	No Excavation	50	per connection	£ 220	£ 11,000	£ 11,300
Meter Supply Charge	20mm	WMMB	50	per metre	£ 20	£ 1,000	£ 1,050
Meter Installation Charge	20mm	WMMB	50	per metre	£ 17	£ 850	£ 900
Service-Laying Cost						£ 15,665	£ 16,900
Infrastructure Charge			50	per connection	£ 322	£ 16,100	£ 17,200
Infrastructure Charge Income Offset			50	per connection	-£ 467	-£ 23,350	
Infrastructure Cost						-£ 7,250	£ 17,200
<b>Total Cost</b>						<b>£ 41,539</b>	<b>£ 43,284</b>

### Example 7: Large Development - 200 Connections

Large Development (180mm PE- 10m road, 180mm PE - 290m unmade ground, 125mm PE - 300m unmade ground, 90mm PE - 400m unmade ground) - 200 Connections							
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	2019/20 Charge
Mains Application			1	per development	£ 97	£ 97	
Mains Design			1	per development	£ 373	£ 373	£ 460
Mains Connection Charge	180mm	Flexible Carriageway	1	per connection	£ 3,094	£ 3,094	£ 2,896
Main-Laying Charge	180mm	Flexible Carriageway	8	per metre	£ 250	£ 2,000	£ 2,264
Main-Laying Charge	180mm	Unmade Ground	290	per metre	£ 113	£ 32,770	£ 29,580
Main-Laying Charge	125mm	Unmade Ground	300	per metre	£ 87	£ 26,100	£ 23,400
Main-Laying Charge	90mm	Unmade Ground	400	per metre	£ 74	£ 29,600	£ 28,000
Pressure Testing			50	per metre	£ 5	£ 250	£ 250
Chlorination			50	per metre	£ 10	£ 500	£ 500
Sampling			15	per sample	£ 90	£ 1,350	£ 1,275
Main-Laying Cost						£ 96,134	£ 88,625
Pre 2020-21 Income Offset (70%)							-£ 62,038
Application Fee (first connection)			1	per application	£ 65	£ 65	
Application Fee (additional connections)			199	per additional connection	£ 30	£ 5,970	
Administration Fee (first connection)			1	per connection	£ 55	£ 55	
Administration Fee (additional connections)			199	per additional connection	£ 25	£ 4,975	
Water Regulations Inspection			10	per connection			£ 14,600
Service Connection Charge	25mm	No Excavation	200	per connection	£ 220	£ 44,000	£ 45,200
Meter Supply Charge	20mm	WMMB	200	per metre	£ 20	£ 4,000	£ 4,200
Meter Installation Charge	20mm	WMMB	200	per metre	£ 17	£ 3,400	£ 3,600
Service-Laying Cost						£ 62,465	£ 67,600
Infrastructure Charge			200	per connection	£ 322	£ 64,400	£ 68,800
Infrastructure Charge Income Offset			200	per connection	-£ 467	-£ 93,400	
Infrastructure Cost						-£ 29,000	£ 68,800
<b>Total Cost</b>						<b>£ 129,599</b>	<b>£ 162,988</b>

### Example 8: Self-Lay Large Development - 200 Connections

Self-Lay Large Development (180mm PE- 10m road, 180mm PE - 290m unmade ground, 125mm PE - 300m unmade ground, 90mm PE - 400m unmade ground) - 200 Connections							2019/20 Charge
Charge Item	External Diameter	Location / Type	Quantity	Unit	Rate	2020/21 Charge	
Mains Application			1	per development	£ 97	£ 97	
Mains Design (by others) Approval			1	per development	£ 228	£ 228	£ 284
Mains Connection Charge	180mm	Flexible Carriageway	1	per connection	£ 3,094	£ -	£ 2,896
Main-Laying Charge	180mm	Flexible Carriageway	8	per metre	£ 250	£ -	£ 2,264
Main-Laying Charge	180mm	Unmade Ground	290	per metre	£ 113	£ -	£ 29,580
Main-Laying Charge	125mm	Unmade Ground	300	per metre	£ 87	£ -	£ 23,400
Main-Laying Charge	90mm	Unmade Ground	400	per metre	£ 74	£ -	£ 28,000
Pressure Testing			50	per metre	£ 5	£ -	£ 250
Chlorination			50	per metre	£ 10	£ -	£ 500
Sampling			15	per sample	£ 90	£ -	£ 1,275
Main-Laying Cost						£ 325	£ 88,449
Pre 2020-21 Asset Payment (70%)							-£ 61,914
Self-Lay Service Application (first connection)			1	per application	£ 50	£ 50	
Self-Lay Service Application (additional connections)			199	per additional connection	£ 15	£ 2,985	
Meter Supply Charge	20mm	WMMB	200	per metre	£ 20	£ 4,000	£ 4,200
Infrastructure Charge			200	per connection	£ 322	£ 64,400	£ 68,800
Infrastructure Charge Income Offset			200	per connection	-£ 467	-£ 93,400	
Service-Laying Cost						-£ 21,965	£ 73,000
<b>Total Cost</b>						<b>-£ 21,640</b>	<b>£ 11,086</b>