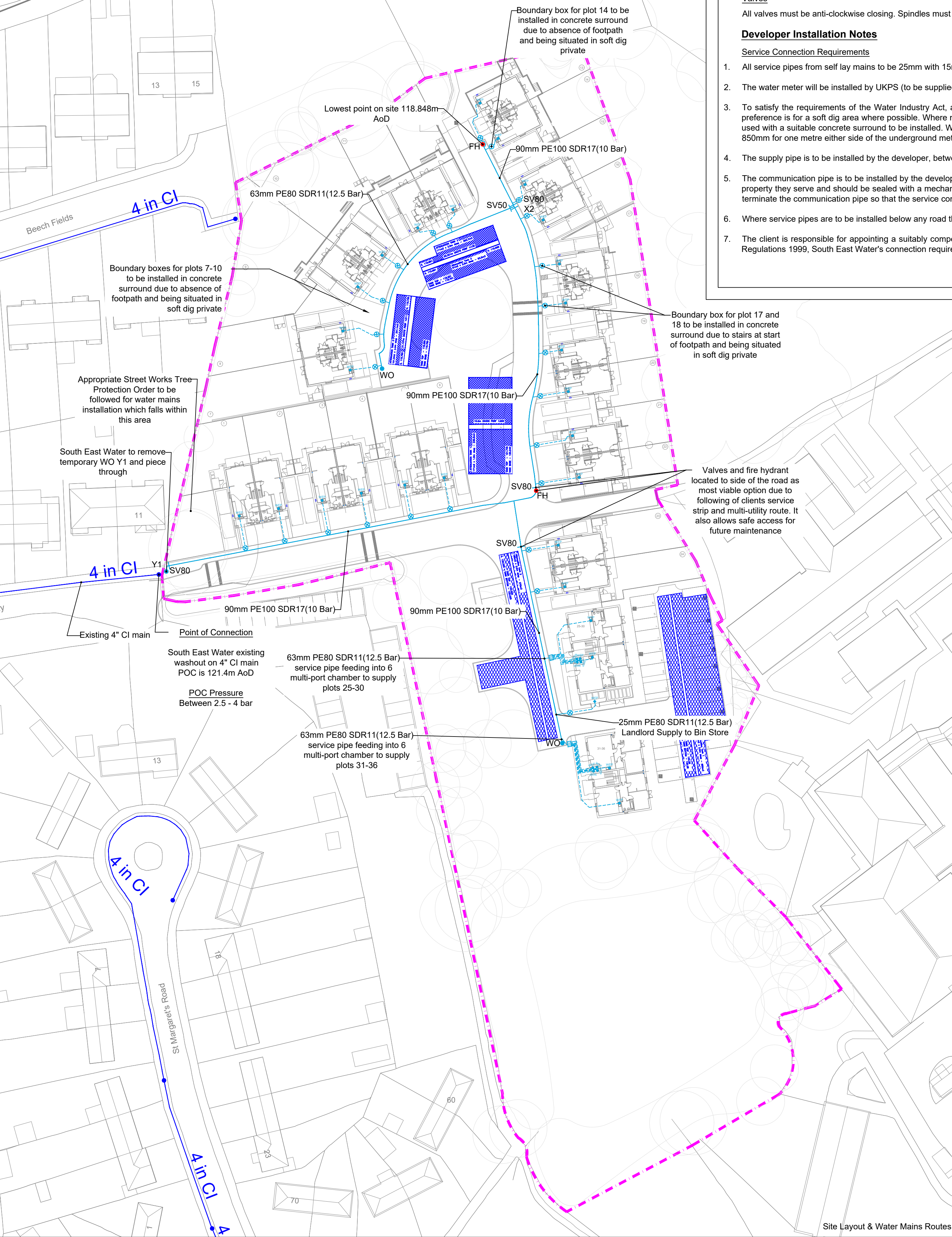


Site Address:
Land at Queen Victoria Hospital
Oakfield Way
East Grinstead
West Sussex
RH19 9DZ



South East Water & UKPS installation Notes

Contestable Works

All proposed water mains and 37 (36x plots and 1x L/L) service connections to the self-laid water mains to be installed by UKPS including temporary WO at point Y1. UKPS to install 37 water meters.

Non Contestable Works

South East Water to remove temporary washout Y1 and provide connection to existing washout on 4 Inch CI main.

Hydrants

All hydrants must be screw down Type 2. All hydrants shall be right hand (clockwise) closing. Hydrants shall be installed ensuring the outlet is no more than 300mm from the surface upon completion.

Valves

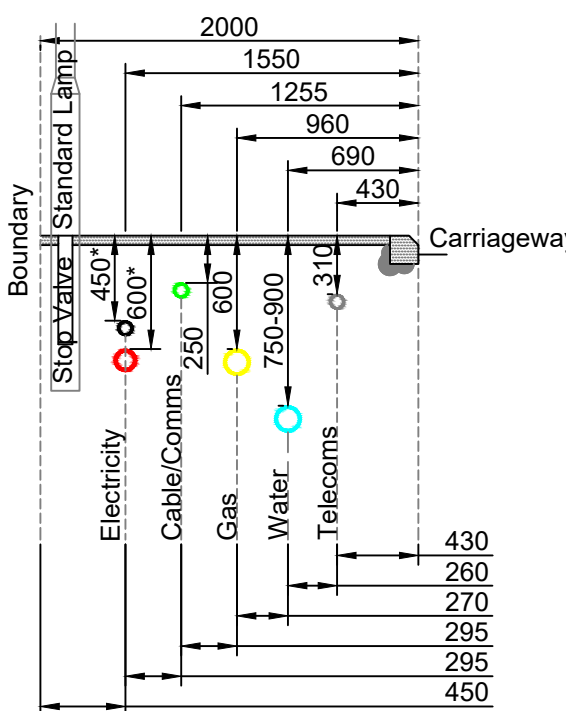
All valves must be anti-clockwise closing. Spindles must be installed on all valves which should end 200mm - 300mm below the cover to facilitate ease of future operation.

Developer Installation Notes

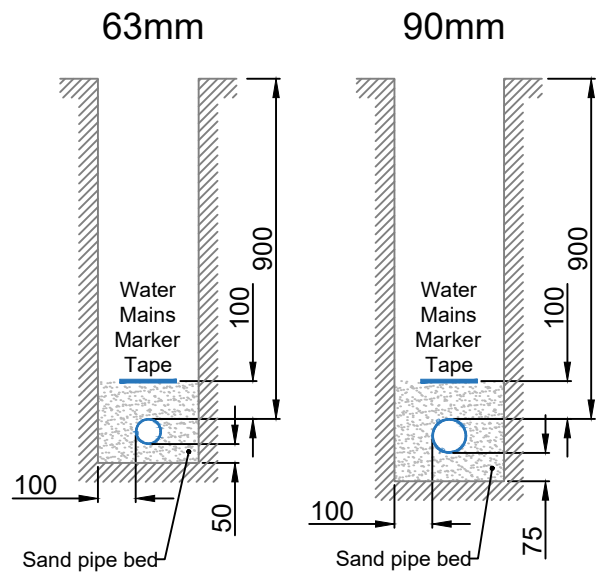
Service Connection Requirements

- All service pipes from self lay mains to be 25mm with 15mm meters unless stated otherwise.
- The water meter will be installed by UKPS (to be supplied by South East Water) in the underground boundary box to be installed by the developer.
- To satisfy the requirements of the Water Industry Act, an external control, in the form of an WRAS approved underground meter box, must be installed by the developer in the public footway outside each property and within 1m of the property boundary. The preference is for a soft dig area where possible. Where no footpath or service strip is available boundary boxes can be installed within the boundary of the property it will serve; the preference is for a hard dig area where possible; alternatively a soft dig area can be used with a suitable concrete surround to be installed. Where the boundary box is installed within the private area future access to the boundary box must be included within the deeds of the property it will serve. Service pipes must remain at a depth of 750mm and 850mm for one metre either side of the underground meter box.
- The supply pipe is to be installed by the developer, between 750mm and 1350mm, from the internal stop tap to the underground boundary box in a continuous unjointed length.
- The communication pipe is to be installed by the developer from the underground boundary box to the proposed water main in a continuous unjointed length leaving sufficient pipe to enable a connection into the main. Pipes should be clearly labeled showing which property they serve and should be sealed with a mechanical watertight stop end to prevent an ingress of contaminants. To reduce the likelihood of water quality issues from the lack of turnover in the water main to an end WO/hydrant (dead leg) the developer shall terminate the communication pipe so that the service connection can be made to the water main within 2m of the end WO/hydrant.
- Where service pipes are to be installed below any road the developer shall install blue smooth bore twin wall ducting, minimum 50mm ID for a 25m OD service pipe.
- The client is responsible for appointing a suitably competent person to carry out the above service connection installation requirements; they shall ensure the pipe work/fittings to be inspected have been laid in accordance with the Water Supply (Water Fittings) Regulations 1999, South East Water's connection requirements and the manufacturers specification.

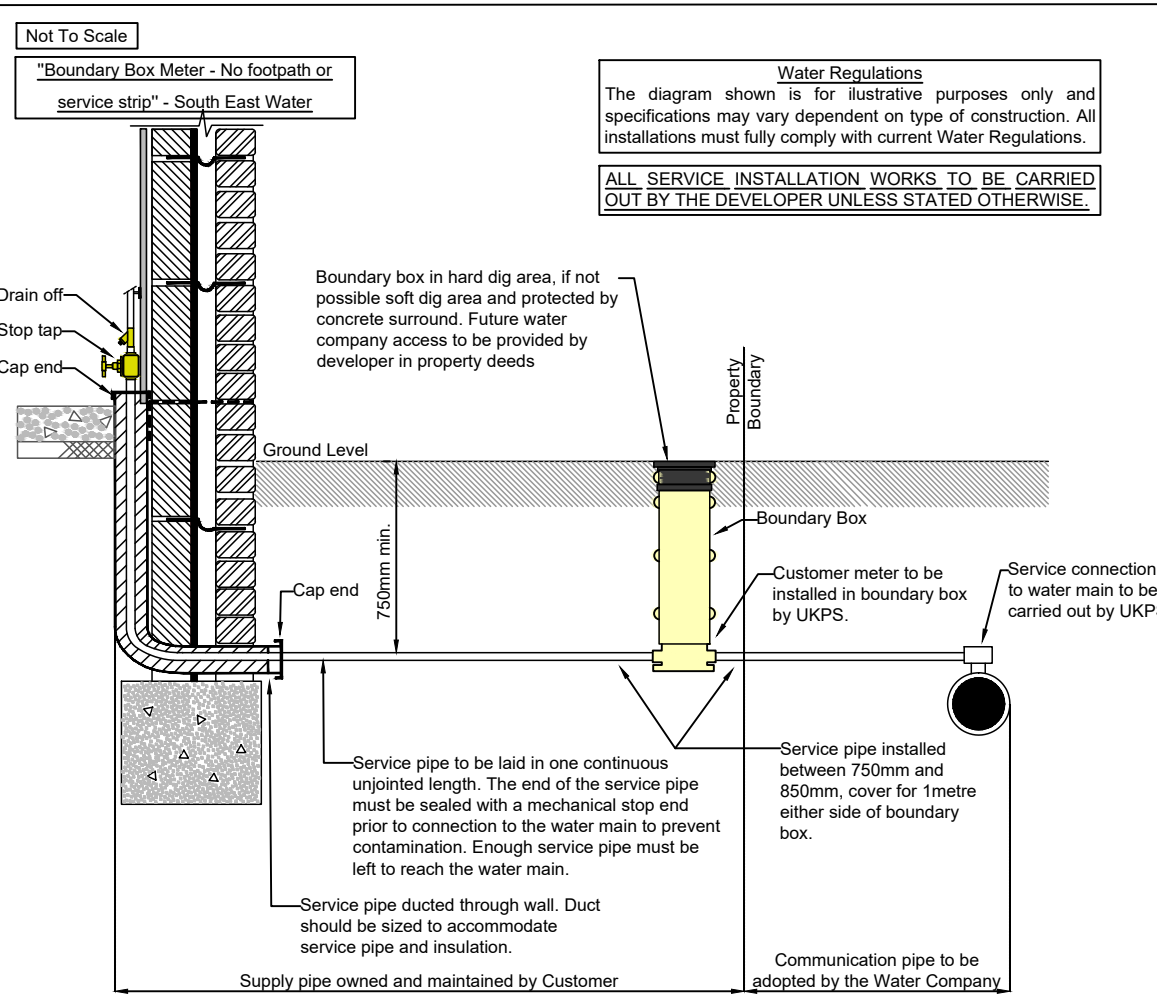
RECOMMENDED ARRANGEMENT OF MAINS
IN A 2M FOOTPATH - NJUG GUIDELINES



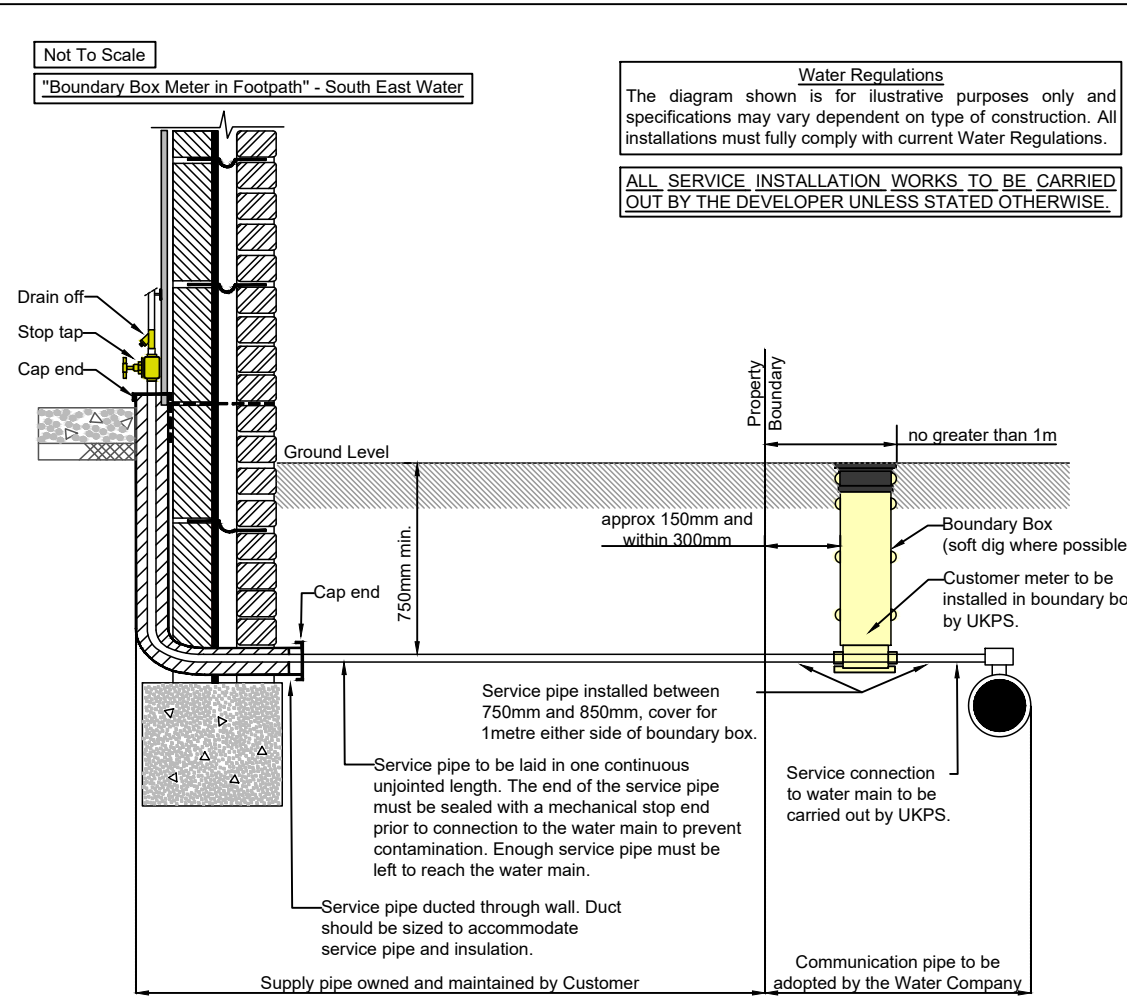
* For Information Only.



Trench Cross Sections



Boundary Box



Boundary Box

Legend	
	Site Boundary
	Existing Main
	Main to be abandoned
	Proposed Main
	Proposed Fire Supply
	Proposed Communication Pipe
	Proposed Supply Pipe
	Proposed Duct
	Sluice Valve (Size)
	Closed Valve (Size)
	Washout
	Fire Hydrant
	Diameter/Material Change
	Pressure Reducing Valve
	Non-Return Valve
	Wall Mounted Meter Box
	Water Service Boundary Box
	Stop Tap
	Water Service Entry Point
	Large Diameter Meter
	Strainer
	Multi-Port Chamber
	Cap End
	Filter Trench
	Swale
	Attenuation Tank
	Porous Paving
Principal Lengths	
63mm PE80 SDR11(12.5Bar)	49 Metres
90mm PE100 SDR17(10Bar)	206 Metres

Duct Sizes (road crossings)		
OD Water pipe size (mm)	Minimum ID duct size (mm)	
25/32	50	
50/63	100	
90/110/125	150	
160/180	225	
225	300	
250	350	
315	400	
355	450	

3	Fire Hydrants Added	25/09/25	GN
2	Approved for Construction	17/09/25	GN
1	Updated Design Following Clients Revision Layout	05/09/25	GN
0	Preliminary Design	05/09/25	GN
REV	AMENDMENT	DATE	BY

UKPS
UK POWER SOLUTIONS

River View House, Bonds Mill Estate, Bristol Road,
Stonehouse, Gloucestershire, GL10 3RF
Ealing Cross, 2nd Floor, 85 Uxbridge Road,
Ealing, London, W5 5TH
Suite 36, Genesis Centre,
Birchwood, Warrington, WA3 7BH
ukpowersolutions.co.uk

Client		MJA Consulting	
Water Company		South East Water (NARS:27379)	
Project		Land at Queen Victoria Hospital	
Title		Site Layout and Water Main Routes	
Design and Planning Engineer		Contact No.	
George Nightingale		01925 738 845	
Project Manager		Contact No.	
Swetha Kadalur		07773 157 384	
Drawn By		Checked By	Date
GN		DA	25/09/25
Scale		Sheet No.	Original Size
1:500		1 of 1	A1
Drawing No.		UKP13466 - DWG380	
Client Ref.		N/A	
Drawing Status		Approved for Construction	
		Rev	3