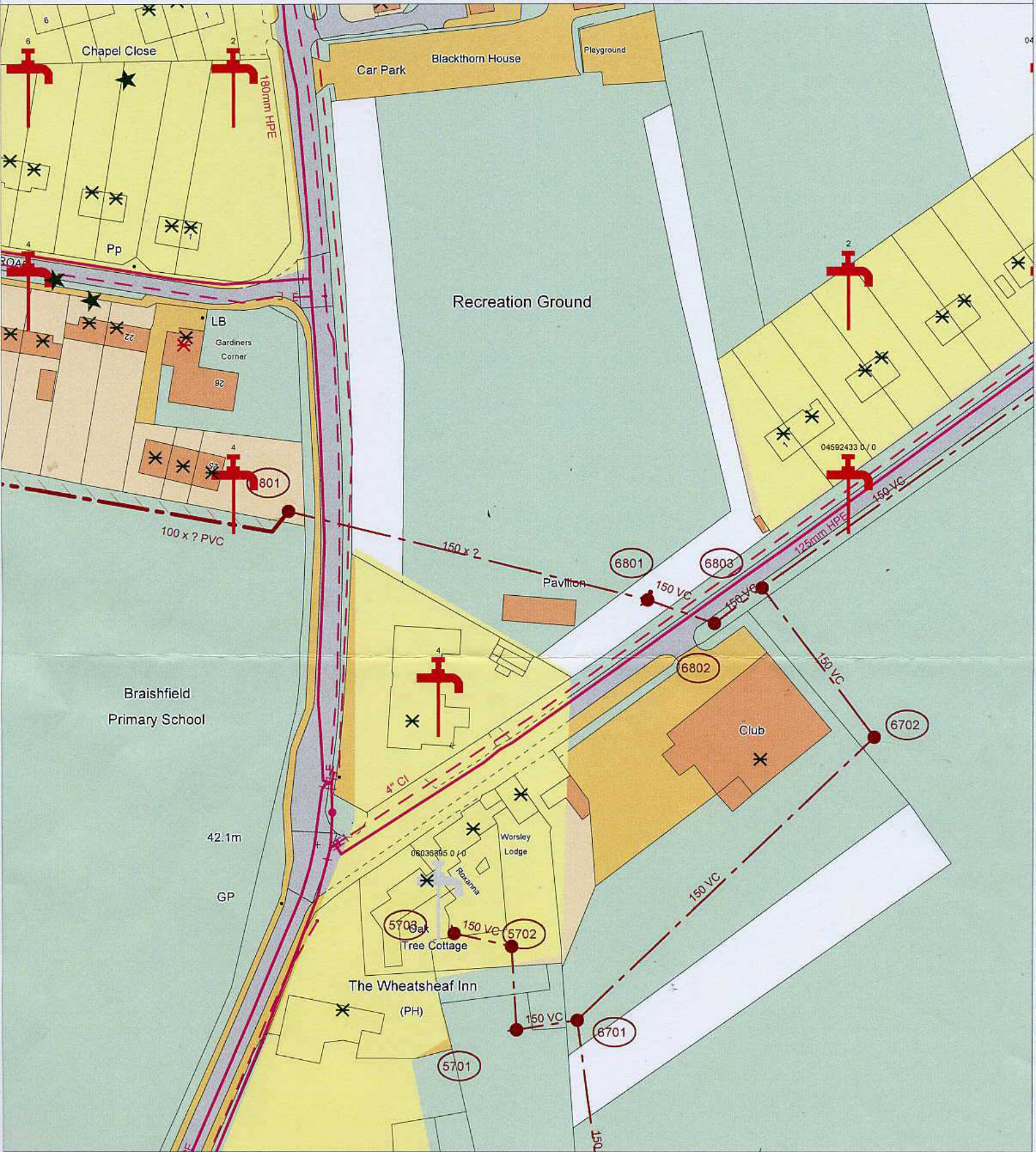


SOUTHERN WATER



The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site.

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Pipe Line Styles/Colours

	Foul Sewer
	Foul Rising Main
	Foul Syphon Sewer
	Foul Vacuum Sewer
	Foul Trunk Sewer
	Foul Tank Sewer
	Surface Water Sewer
	Surface Water Rising Main
	Surface Water Syphon Sewer
	Surface Water Trunk Sewer
	Surface Water Tank Sewer
	Culverted Watercourse
	Combined Sewer
	Combined Rising Main
	Combined Syphon Sewer
	Combined Trunk Sewer
	Combined Tank Sewer
	Treated Effluent
	Treated Effluent Rising Main
	Sludge Rising Main
	Flow Direction Arrows (All Styles)
	As above line styles but decommissioned
	(Yellow) As above line styles but private
	Access Shaft – Personnel Only

Boundary Line Styles/Colours

	Catchment Boundary
	Sub-Catchment Boundary
	Section 104 Agreement Area
	Building Over Agreement Area

Materials

AK Alkathene	GRP Glass Reinforced Plastic
BAC Bonded Asbestos Cement *	MAC Masonry in regular courses
BRE Brick (Engineering)	MAR Masonry in random courses
BRC Brick (Common)	PE Polyethylene
CC Concrete Box Culvert	PF Pitch Fibre
CI Cast Iron	PP Polypropylene
CO Concrete (In-Situ)	PVC Polyvinyl Chloride
CP Concrete (Pre-Cast)	RPM Reinforced Plastic Matrix
CSB Concrete Segments (Bolted)	SI Spun Iron
CSU Concrete Segments (Un-Bolted)	ST Steel
DI Ductile Iron	VC Vitrified Clay
GRC Glass Reinforced Concrete	UNK Unknown*

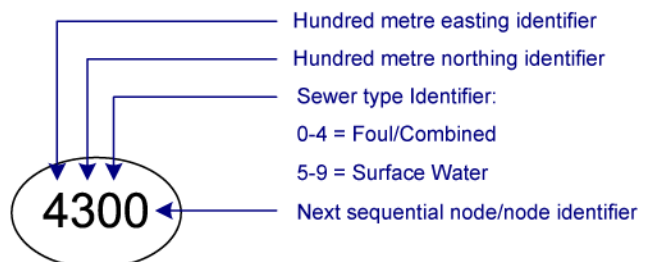
*Warning
BAC Pipes are constructed of Bonded Asbestos Cement
UNK Pipes are may be constructed of Bonded Asbestos Cement

Symbols

Surface	Foul	Combined	
			Label Ellipse
			Manhole
			Dummy/S.24 Manhole
			Manhole Backdrop
	n/a	n/a	Catchpit
	n/a	n/a	Soakaway
	n/a	n/a	Balancing Pond
			Rodding Eye
			Washout
			Flushing Chamber Mn-E
			Flushing Chamber No-E
			Hatch Box
			Lamphole
			Interceptor Chamber
			Blind Shaft
			Storm Tank
			Vortex Chamber
			Vent
			Vent Column
			Other/Unknown
			Penstock
	n/a		Cascade
			Change Node
			Pumping Station
n/a			Micro Pumping Station
			Air Valve
			Valve
n/a			Reflux Valve
n/a			Anti-Flood Device
			Blank End
			Head of Public Sewer
	n/a	n/a	Inlet
			Outfall
n/a			Storm Overflow
n/a			Treatment Works

Other symbols or text may be visible which are not shown here.
These are used for Southern Water operational guidance only.

Node Referencing System



Pipe Line Colours

Water mains are coloured according to their supply (reservoir) zone

Water mains appear in the following colours:

	Orange
	Cyan
	Red
	Brown
	Green
	Blue
	Magenta
	Pink
	Yellow (Private & Non-SWS Only)

Pipe Line Styles

	Distribution Main
	Fire Main
	Communication Pipe
	Trunk Main
	Raw Water Main
	Non-Potable Water Main
	Proposed Main
	Decommissioned Main
	Private & Non-SWS

Materials

AK Alkathene	LEAD Lead
BAC Bonded Asbestos Cement *	PE Polyethylene
BP Black Polythene	PEB Polyethylene Barrier
C Copper	PF Pitch Fibre
CI Cast Iron	PSC Plastic/Steel Composite
CO Concrete	PVC (Unplast) Polyvinyl Chloride
CPS Concrete (Pre-Stressed)	RPM Reinforced Plastic Matrix
CSB Concrete Segments (Bolted)	SI Spun (grey) Iron
CSU Concrete Segments (Un-Bolted)	ST Steel
DI Ductile Iron	VC Vitrified Clay
DS Ductile Sleeved	UNK Unknown*
GI Galvanised Iron	
GRC Glass Reinforced Concrete	
GRE Glass Reinforced Epoxy	
GRP Glass Reinforced Plastic	
HDPE High Density Polyethylene	
HPE High Performance Polyethylene	
HPE-PL High Performance Polyethylene - "Protectaline"	
MDPE Medium Density Polyethylene	

*Warning

BAC Pipes are constructed of Bonded Asbestos Cement
UNK Pipes are may be constructed of Bonded Asbestos Cement

Symbols

Fittings (Valves, Meters etc.)

	Sluice Valve
	Sluice Valve (Clockwise closing)
	Closed Valve
	District Meter Area Valve (Closed)
	Butterfly Valve
	Motorised Valve
	Air Valve
	Reflux Valve
	Non-Return Valve
	Pressure Sustaining Valve
	Pressure Reducing Valve
	Fire Hydrant
	Washout Hydrant
	Washout Empty Valve
	Emptying Plug
	District Flow Meter
	Bulk Flow Meter
	Customer Meter
	Stop Valve
	Boundary MSM Box
	Insertion Flow Meter Point
	Swab Insertion Point
	Access Point
	Anode
	Leak Noise Correlator Survey Point
	Change Node
	Capped End
	Junction

Operational Sites

	Booster Station
	Service Reservoir
	Surface Reservoir
	Water Tower
	Water Supply Works
	Break Pressure Tank
	Contact Tank
	Bore Hole
	Abstraction Point
	Raw Water Transfer Station

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