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THE LOCATION AND SIZE OF EXISTING FEATURES ARE INDICATIVE ONLY. SURVEY DRAWINGS MUST BE RELIED UPON FOR DIMENSIONS.

**ALS Sewer Map Key**

**Public Sewer Types (Operated & Maintained by Thames Water)**

- Red line with arrow: Sewer
- Blue line with arrow: Surface Water
- Green line with arrow: Combined
- Red line with circle: Joint
- Blue line with circle: Trunk Surface Water
- Green line with circle: Storm Relief
- Red line with square: Vent Pipe
- Blue line with square: Proposed Thames Surface Water Sewer
- Green line with square: Gallery
- Red line with triangle: Surface Water Rising Main
- Blue line with triangle: Sludge Rising Main
- Green line with triangle: Vacuum

**Sewer Fittings**

- AV Air Valve
- BS Blind Shaft
- CF Catch Pit
- DC Dam Chase
- DF Double Flushing Tank / Chamber
- HF Hatch Box
- Other (specified on plan)
- LI Lint Hole
- LS Lifting Shaft
- ME Meter
- NE Rodding Eye
- VC Vent Columns
- VT Vent
- WO Washout
- Other (specified on plan)

**Operational Controls**

- ED Backdrop Manhole
- BV Butterfly Valve
- CL Clough
- DB Dam Board
- DP Drop Pipe
- DS Drop Shaft
- FL Flume
- FV Flap Valve
- HW Headwall
- HY Hydrant
- PI Petrol Interceptor
- PS Penstock
- RV Reflux Valve
- ST Step
- SV Sluice Valve
- TA Tank
- W Well
- Other (specified on plan)

**End Items**

- STW Effluent Discharge
- SA / SA Soakaway
- Outfall
- Underfed End
- Gully
- Sinks

**Other Symbols**

- Public/Private Pumping Station
- Change of characteristic indicator (C.D.C.I.)
- Sewage Treatment Works
- Invert Level
- Summit
- Areas denoting areas of underground surveys, etc.
- Building over Coal (BOC No.) or Low Lying Land (LLL No.)
- Sewage Treatment Works or Pumping Station
- Area under Adoption Agreement
- Survey Area
- Draining Area or Chamber
- License Area
- Area pending Adoption Agreement
- Other Area (specified on plan)

**Other Sewer Types (Not Operated or Maintained by Thames Water)**

- Red line with circle: Foul Sewer
- Blue line with circle: Surface Water Sewer
- Green line with circle: Combined Sewer
- Red line with square: Highway Drain
- Blue line with square: Proposed
- Green line with square: Culverted Watercourse
- Red line with triangle: Abandoned Sewer
- Blue line with triangle: Station Unknown

**Notes:**

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flags (on rising mains) indicate direction of flow.
- 4) For symbols referred to as 'Other' on this key, please see the plan for further information.
- 5) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 6) 9999.00 or 0 on a manhole level indicates that data is unavailable.
- 7) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. Where cover and invert levels appear on a plan they are clearly prefixed by 'CL' and 'IL'. If you are unsure about any text or symbols please contact a member of Project Support on 0118 903 1004.

**ALS Water Map Key**

**Water Pipes (Operated & Maintained by Thames Water)**

- Blue line: Distribution Main
- Green line: Trunk Main
- Red line: Supply Main
- Blue line with arrow: Fire Main
- Green line: Metered Pipe
- Blue line: Transmission Tunnel
- Red line: Raw Water Main
- Blue line: Other (specified on plan)
- Proposed Main

**Hydrants**

- Single Hydrant
- Double Hydrant

**Meters**

- Meter

**Valves**

- Open General Purpose Valve
- Butterfly
- Reflux
- Emptying
- Sluice
- Close General Purpose Valve
- District Boundary Valve
- District Pressure Valve
- Pressure Boundary Valve
- Stand Shut Valve
- Stand Boundary Valve
- Other (specified on plan)
- Air Valve
- Pressure Sustaining
- Pressure Controlling
- Pressure Reducing
- Reflux Non-Return Valve (NRA)
- Stopcock

**End Items**

- Blank Flange
- Capped End
- Emptying
- Underfed End
- Manifold
- Customer Supply
- Fire Supply

**Supply Assets**

- Booster Station
- Pumping Station
- Inspection Shaft
- Pumping Shaft
- Service Reservoir
- Tower
- Treatment Works
- Other (specified on plan)

**Other Symbols**

- Protection Test Point
- Protective Point / Anode
- Pressure Transducer / Critical Pressure Point
- Units Longer
- Customer/PS / Chamber
- Other (specified on plan)

**Other Water Pipes (Not Operated or Maintained by Thames Water)**

- Other Water Company Main
- Private Main

**Depth of Water Pipes (Normal Cover)**

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 400mm (12" - 16")	1100mm (3' 6")
400mm and bigger (16" plus)	1200mm (4')

Page 11 of 13

PIONEER HOUSE, BRITANNIA STREET