

Complying with the Private Water Supplies Regulations (2009)

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Private Water Supplies Regulations (2009)

- Came into force on 1st January 2010
- Apply to private supplies of water intended for human consumption
 - Source of the supply could be a well, borehole, river or lake
- Requirement to carry out a risk assessment (Reg. 6)
 - Local authority must carry out a risk assessment within 5 years of the regulations coming into force – just under 2 years left!
 - Subsequent risk assessments every 5 years
- Regulation 8 – Further distribution of supplies from water undertakers or licensed water suppliers

Onward distribution of supplies

- Cases where water derived originally from a public supply subsequently becomes a private water supply under the Regulations.
 - Where water is supplied by a water undertaker (or licensed water supplier) and is then further distributed by a person other than a water undertaker
- Explanation of Regulation 8
 - Guidance on the Private Water Supplies Regulations
 - DWI Information note on Private Distribution Systems (Oct 2011)

Private Distribution Systems (PDS)

- Identification of a Private Distribution System:
 - Local authority create a location list based on existing local knowledge
 - Information passed to the water company for checking against customer billing

PDS Notification Form

Notification of a Private Distribution System

Table A to be completed by the Local Authority only.

| GENERAL INFORMATION | |
|---|--|
| Local Authority | |
| Local Authority address | |
| Local Authority contact name | |
| Local Authority contact telephone number | |
| Local Authority contact email address | |
| Public Water Supplier in whose area the private distribution system is situated | |
| LOCATION OF THE PRIVATE DISTRIBUTION SYSTEM | |
| Provide a brief description of the current use on the site. Include any business names or company details to aid identification. Do not include any personnel data, only information held in the public domain. | |
| Provide a street address (including postcode) from where you consider the point of onward distribution exists. | |
| Grid reference (Easting and Northing) <i>(if available, but not essential)</i> | |
| If possible, attach a map to aid identification of the private distribution system. Confirm if a map has been attached? | |
| Do you consider this site to be a private distribution system as defined under the Private Water Supply Regulations 2009? | |
| Provide details on your decision? <i>(continue on a separate sheet, if necessary)</i> | |

1

PDS Notification Form

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PDS Notification Form

Table B to be completed by the Public Water Supplier.

| INFORMATION TO BE SUPPLIED BY THE PUBLIC WATER SUPPLIER | |
|---|--|
| Identify and confirm the customers on the potential private distribution system using a public water supply and who are currently paying a water bill to the public supplier? | |
| Is the area identified as a potential private distribution system by the Local Authority managed by an agent? | |
| Detail the number of meters identified on the site (single or multiple). | |
| Detail the location of the meter(s). If possible, attach a map showing the exact location in relation to the Private Distribution System. | |
| Provide water usage of the customer's identified? (average use for a domestic property is 500 litres a day) | |
| Provide details on whether a water fittings inspection has been carried out at any of the locations identified and if a compliance certificate has been issued? | |
| PROVIDE ANY ADDITIONAL INFORMATION RELEVANT TO THE NOTIFICATION | |
| <i>Include any water quality information deemed relevant to the supply?</i> | |
| | |

Once completed, please send the notification form back to the Local Authority to enable a permanent record to be kept on file. Please note that notifications must be completed by the Public Water Supplier within **28 days** upon receipt from the Local Authority.

PDS Notification Form

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PDS Notification Form

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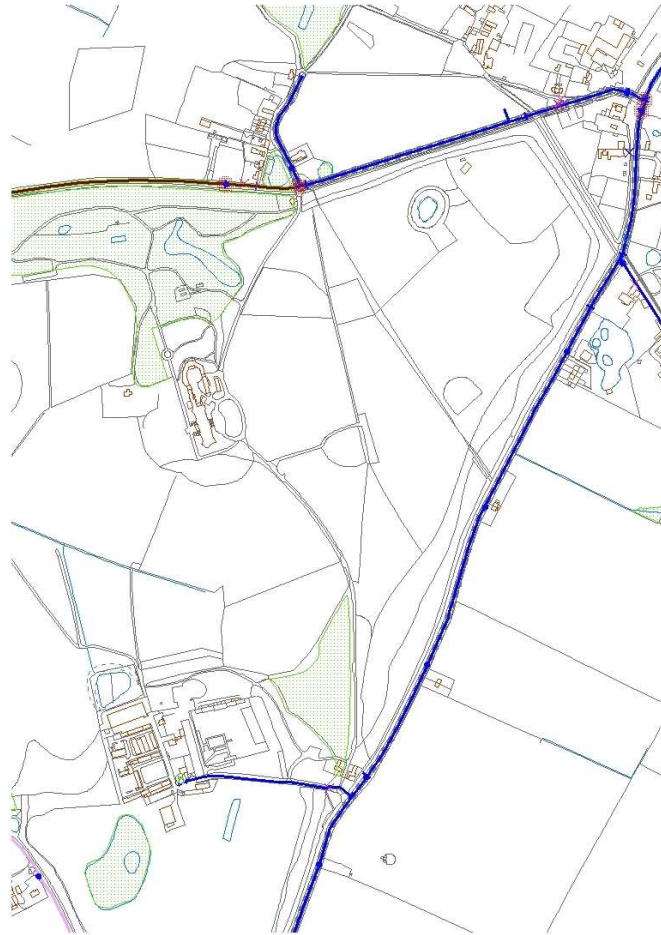
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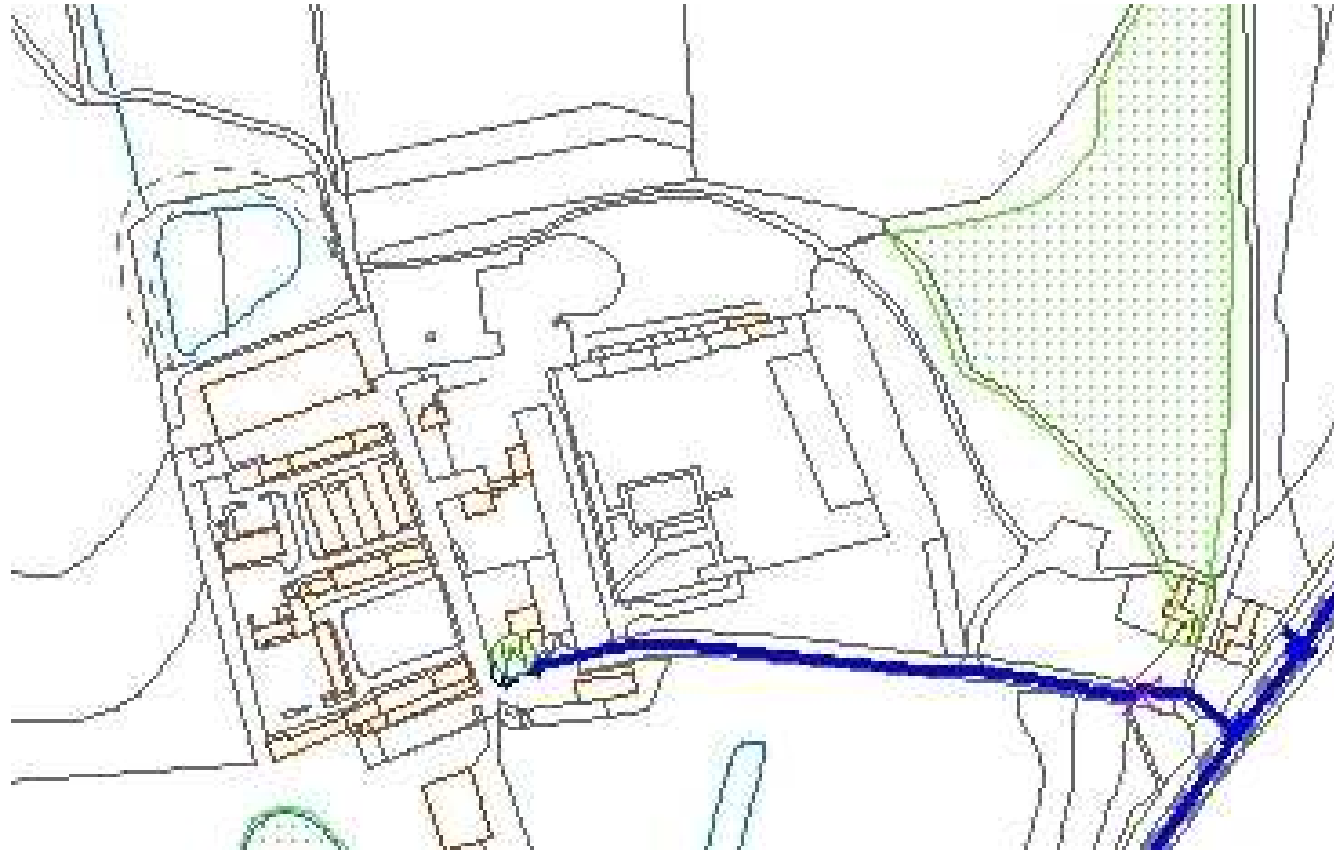
PDS - Hertsmere Borough Council

- Private or public estates where water is distributed to other buildings , including domestic dwellings
 - Private mansion on a large country estate (Approximately 2500 acres)
 - Hold large temporary events
 - 24 self-contained office units (available to rent)
 - Various houses on the estate (rented to workers)
 - Only mains water on the site

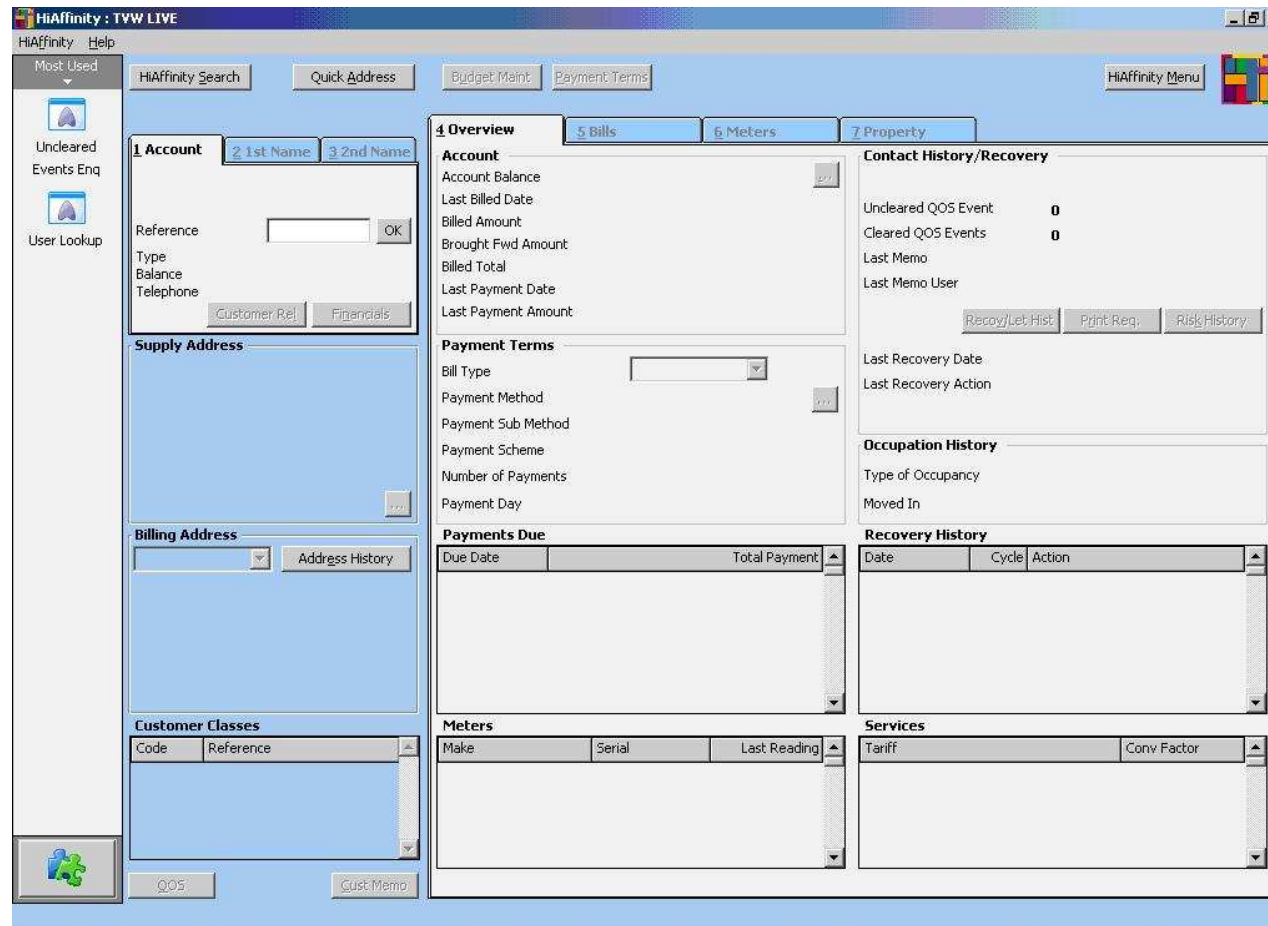
Country estate – GIS Diagram



Country estate – Detailed GIS Diagram



Affinity Water – Customer Billing Database



Customer Billing Database – Meter details

Budget Maint Payment Terms HiAffinity D

4 Overview 5 Bills **6 Meters** 7 Property

Meters

| Make | Serial | Book | Walk | Seq | Size | Pit Reference |
|----------|-----------|------|------|-----|------|---------------|
| INVENSYS | 06-592833 | 230 | 23D2 | 31 | 012 | W/M0685967 |

Outreader Attached Prop Meter Memo Meter Pit Details

Pit Details

Main Or Sub
 Category **MW**
 Customer Reference **4479616**
 Location
IN PUBLIC FOOTPATH IN LINE WITH FRONT WINDOW

Meter Classes

| Code | Reference |
|------|-----------|
|------|-----------|

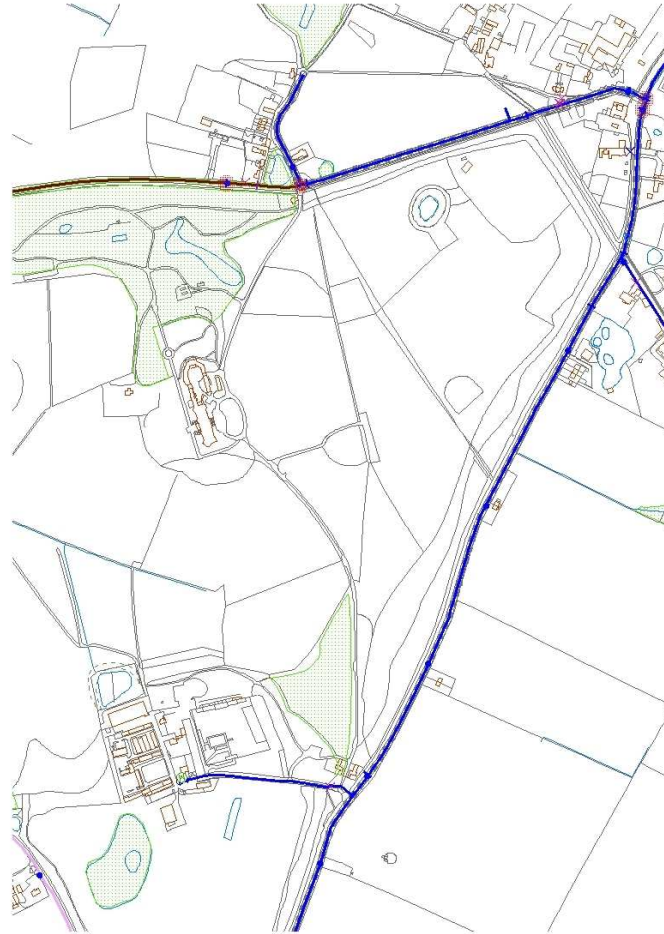
Reading Details

| Days | Band | Read Date | Time | Type | Est? | Reading * | Consumption |
|------|------|------------|------|-------------------------|------|-----------|-------------|
| 181 | S | 28/02/2013 | 1341 | 01 Normal Periodic Read | no | 1,587 | 115 |
| 197 | S | 31/08/2012 | 1418 | 01 Normal Periodic Read | no | 1,472.5 | 125 |
| 164 | S | 16/02/2012 | 1210 | 01 Normal Periodic Read | no | 1,347 | 122 |
| 188 | S | 05/09/2011 | 1059 | 01 Normal Periodic Read | no | 1,225 | 125 |
| 187 | S | 01/03/2011 | 1200 | 01 Normal Periodic Read | yes | 1,100 | 146 |
| 184 | S | 26/08/2010 | 1049 | 01 Normal Periodic Read | no | 954 | 149 |

PDS - Hertsmere Borough Council

- 3 metered customer accounts
 - Farm house
 - Mansion House and associated domestic properties
 - Office units and nearby domestic properties
- Approximate locations of meters
- Water usage for customers identified
- Fittings inspection requested
- Water quality information relevant to the supply
 - Undertakings in place for certain parameters in certain areas (water supply zones)

Country estate – GIS Diagram



PDS – Runnymede BC - Caravan sites



Address search on Customer database

The screenshot shows the HiAffinity Search application interface. The search criteria are set to 'Street Name' and 'Town'. The search results table lists 9 properties in Row Town, Addlestone, Surrey, with their respective property references, supply addresses, postcodes, and customer references.

| Property Ref | Supply Address | Postcode | Cust. Ref |
|------------------|--|----------|-----------|
| 824/0/28120/0010 | 1 ROWTOWN ADDLESTONE WEYBRIDGE SURREY KT15 1EF | KT15 1EF | 6179466 |
| 824/0/28120/0020 | 2 ROW TOWN ADDLESTONE WEYBRIDGE KT15 1EN | KT15 1EN | 6188559 |
| 824/0/28120/0030 | 3 ROW TOWN ADDLESTONE WEYBRIDGE KT15 1EF | KT15 1EF | 6188560 |
| 824/0/28120/0040 | 4 ROWTOWN ADDLESTONE SURREY KT15 1EN | KT15 1EN | 6344353 |
| 824/0/28120/0050 | 5 ROW TOWN ADDLESTONE WEYBRIDGE KT15 1EF | KT15 1EF | 6338583 |
| 824/0/28120/0060 | 6 ROWTOWN ADDLESTONE SURREY KT15 1EN | KT15 1EN | 6423361 |
| 824/0/28120/0070 | 7 ROW TOWN ADDLESTONE WEYBRIDGE KT15 1EF | KT15 1EF | 6188565 |
| 824/0/28120/0080 | 8 ROWTOWN ADDLESTONE WEYBRIDGE SURREY KT15 1EN | KT15 1EN | 3879869 |
| 824/0/28120/0090 | 9 ROWTOWN ADDLESTONE SURREY KT15 1EF | KT15 1EF | 6188568 |

The detailed view for the selected property (824/0/28120/0110) shows the following information:

- Supply Address:** 11 ROW TOWN, ADDLESTONE WEYBRIDGE, KT15 1EF
- Property Reference:** 824/0/28120/0110
- Meter Details:** Pit Reference, Meter Make, Meter Serial No., Book/Walk/Sequence
- Services on Customer:**
 - Tariff: AAHZ - S/C SOUTHERN
 - BAAZ - S/C DOM
 - A05Z - RV CHG SOUTHERN
 - B04Z - RV THAMES SOUTH

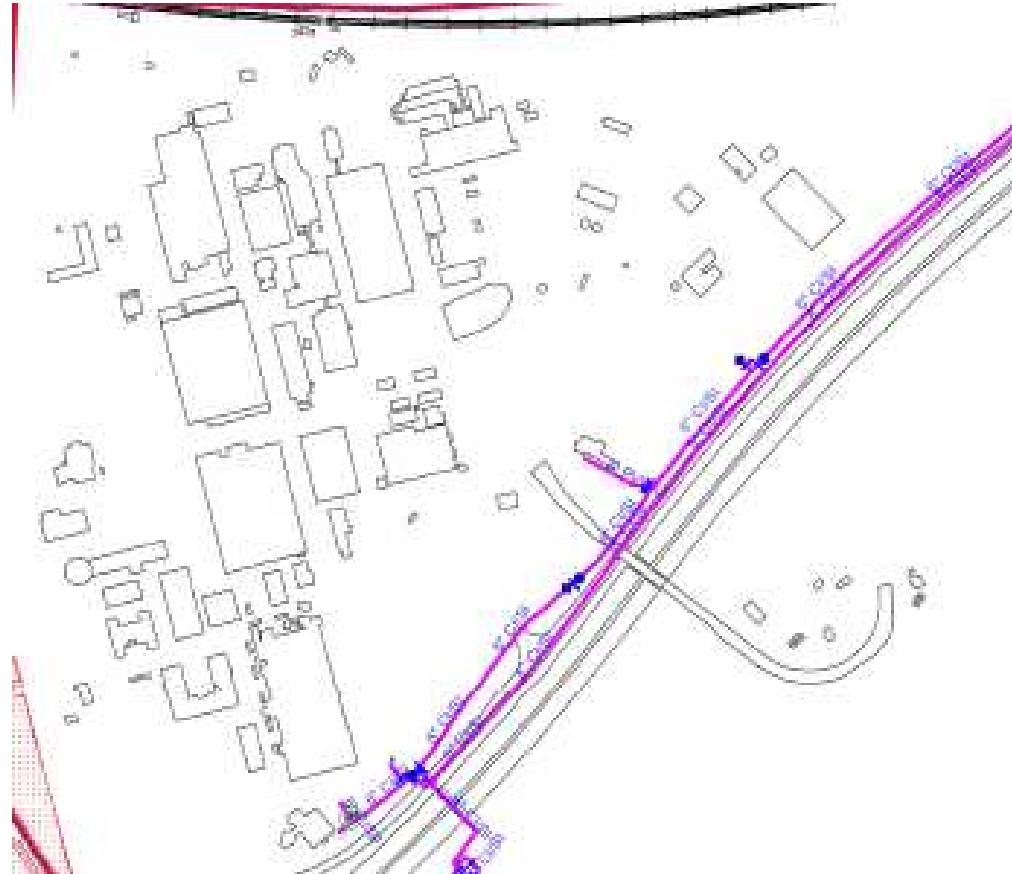
PDS – Runnymede BC – Caravan sites



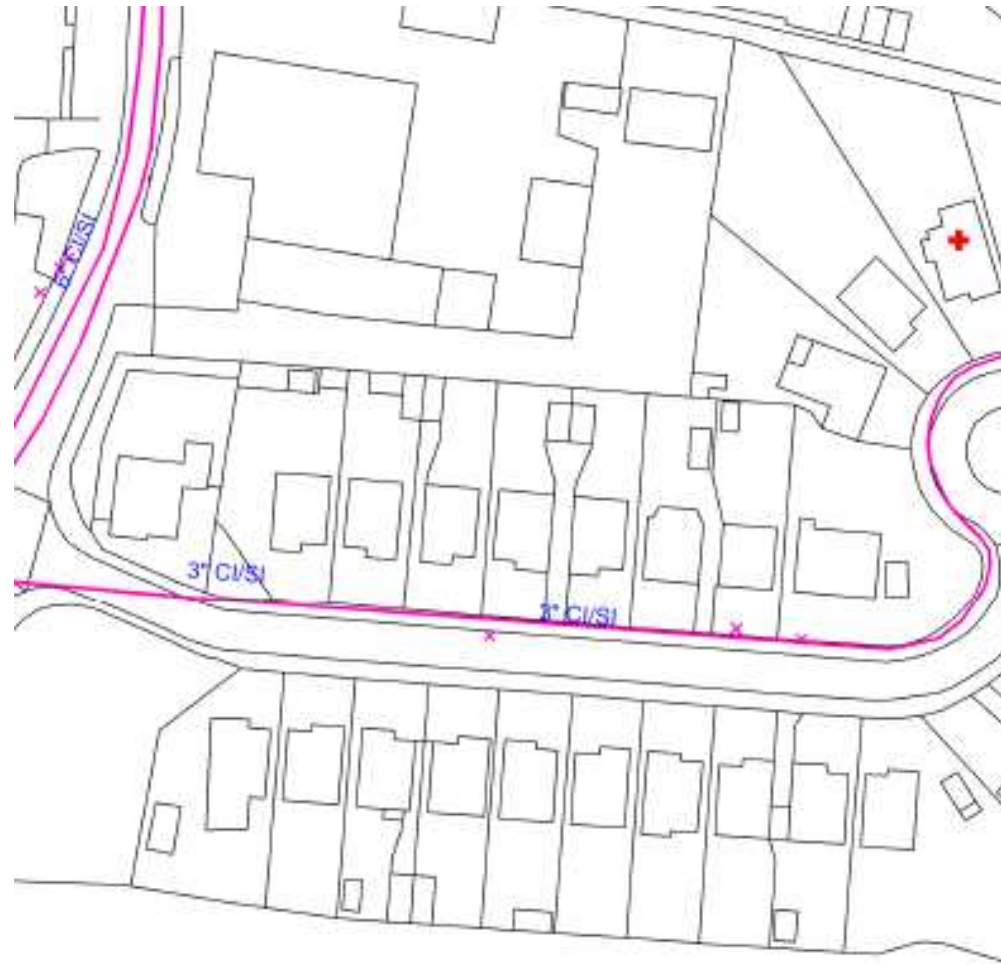
PDS - Runnymede BC – Industrial estates



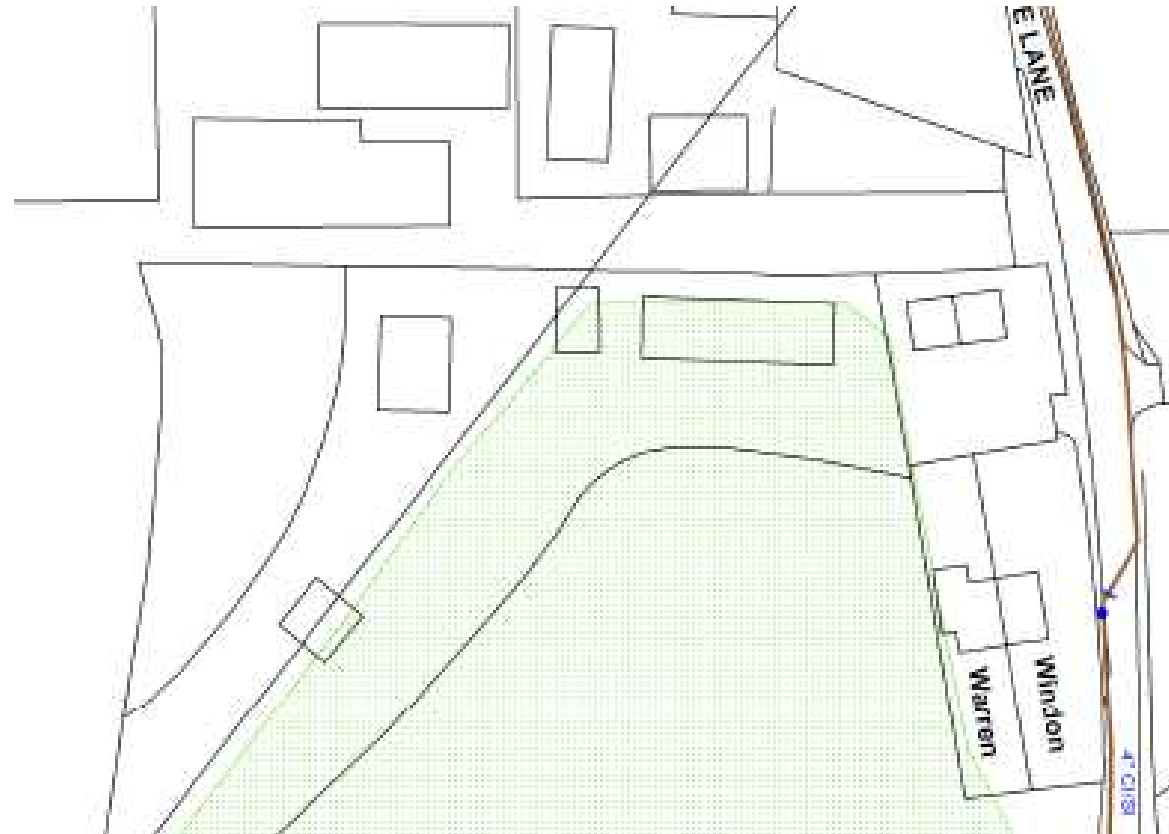
PDS - Runnymede BC – Industrial estates



PDS - Runnymede BC



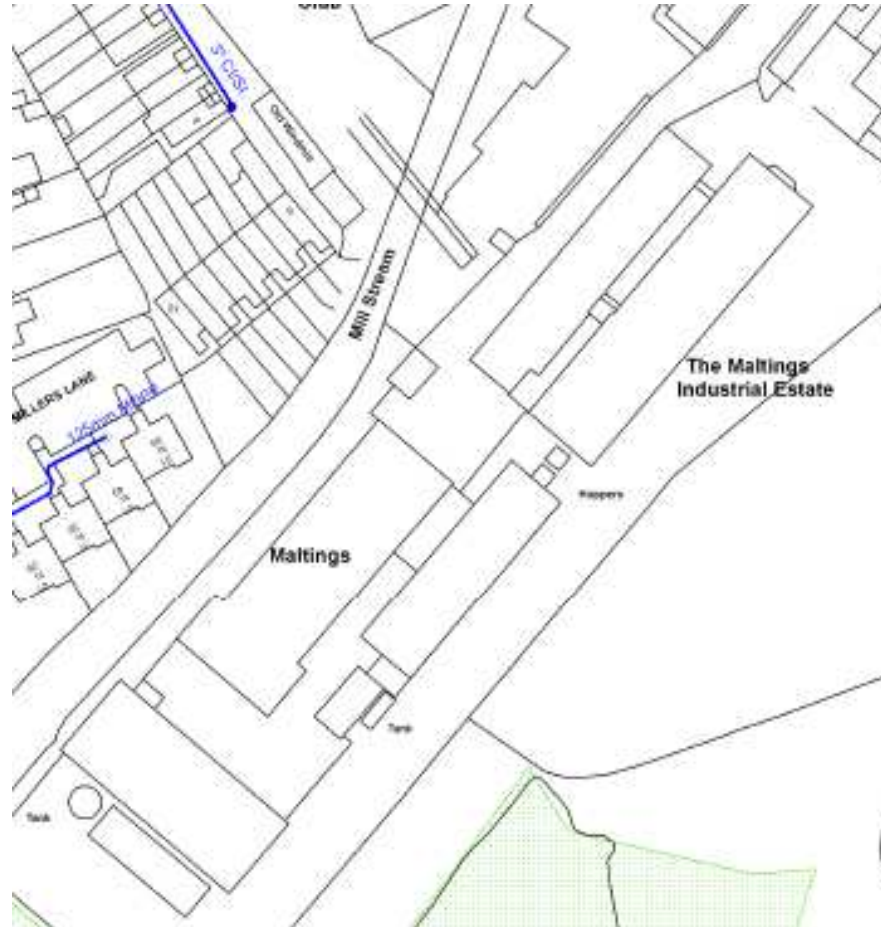
PDS – Runnymede BC



PWS – East Herts – Fittings Inspection

- Water Fittings Regulations apply to every fitting and appliance which conveys, or could convey, water from the public supply
- Ingress
- Stagnation
- Contamination
 - Cross-connection
 - Backflow

PWS – East Herts – Fittings Inspection



PWS – East Herts – Fittings inspection

- Most units were offices and were low risk
- Examples of good practice
 - Water softener in laboratory (Single check valve)
 - Soup making machine (Air gap)
 - Washing machine in vets – Fluid category 5, supplied from a storage cistern (Air gap)
- Risks identified:
- Stagnation
 - Unoccupied units
- Contamination – Back-siphonage
 - Washing machine test rig
 - Hand-held showers in the hairdressers

Commercial services

- Analytical services
- Risk Assessment services

- Any questions?