CCTV Inspection Report

Reading Office
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Tel: 0118 950 4477
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<th>Defect Grade Descriptions</th>
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</thead>
<tbody>
<tr>
<td><strong>Job Number</strong></td>
</tr>
<tr>
<td>780878</td>
</tr>
</tbody>
</table>

1: Occurrences without damage. For example, laterals, joints, etc.

**NO DEFECTS WERE DETECTED.**

2: Constructional deficiencies or occurrences with insignificant influence to tightness, hydraulic or static pressure or pipe: Eg. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc.

**REHABILITATION CAN BE SCHEDULED LONG-TERM.**

3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.

**REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.**

4: Constructional damages with insufficient static safety, hydraulic or tightness: Eg. axial/radial pipe bursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities, in pipe wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc.

**REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.**

5: Pipe is already or will shortly be impermeable: Eg. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc.

**REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.**
This sketch is not to scale and does not represent the exact routing of the drainage system.
Job Number: 780878
Surveyed by (Operator): PAUL BAYNHAM
Base Unit: DDFRT6A12S
Date: 13/06/2019

Manhole / Access Point: SWMH2 Internal
Manhole / Access Point: SWMH4 Internal
Manhole / Access Point: SWMH5 Internal
Manhole / Access Point: FWMH1 Internal
Manhole / Access Point: FWMH2 Internal
Manhole / Access Point: FWMH3 Internal
<table>
<thead>
<tr>
<th>Manhole / Access Point</th>
<th>Manhole / Access Point</th>
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<tbody>
<tr>
<td>FWMH5 Internal</td>
<td>PUMP STATION Internal</td>
</tr>
<tr>
<td>FWMH1B Internal</td>
<td>FWMH1A Internal</td>
</tr>
<tr>
<td>FWMH10 Internal</td>
<td>FWMH12 Internal</td>
</tr>
<tr>
<td>Manhole / Access Point</td>
<td>Manhole / Access Point</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>FWMH11 Internal</td>
<td>FWMH13 Internal</td>
</tr>
<tr>
<td>RWP Location</td>
<td>SWMH10 Internal</td>
</tr>
<tr>
<td>SWMH12 Internal</td>
<td>SWMH14 Internal</td>
</tr>
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</table>

Job Number: 780878
Surveyed by (Operator): PAUL BAYNHAM
Base Unit: DDFRT6A12S
Date: 13/06/2019
Site Photos

Job Number: 780878
Surveyed by (Operator): PAUL BAYNHAM
Base Unit: DDFRT6A12S
Date: 13/06/2019

Manhole / Access Point: FWMH15 Internal
Manhole / Access Point: FWMH21 Internal

Manhole / Access Point: FWMH22 Internal
Manhole / Access Point: SWMH17 Internal

Manhole / Access Point: SWMH7 Internal
Manhole / Access Point: SWMH18 Internal
<table>
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<th>Manhole / Access Point</th>
<th>Manhole / Access Point</th>
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<tr>
<td>SWMH19 Internal</td>
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<td>FWMH8 Internal</td>
<td>FWMH16 Internal</td>
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<tr>
<td>FWMH18 Internal</td>
<td>FWMH25 Internal</td>
</tr>
<tr>
<td>Manhole / Access Point</td>
<td>Manhole / Access Point</td>
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<tr>
<td>------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>SWMH9 Internal</td>
<td>SWMH11 Internal</td>
</tr>
<tr>
<td>FWMH14 Internal</td>
<td>FWMH16 Internal</td>
</tr>
<tr>
<td>FWMH19 Internal</td>
<td>FWMH24 Internal</td>
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</table>

**Site Photos**
<p>| Manhole / Access Point: | FWMH23 Internal | SWMH15 Internal | SWMH3 Internal | SWMH1 Internal | FWMH4 Internal | FWMH6 Internal |</p>
<table>
<thead>
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<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>13/06/2019</td>
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</tbody>
</table>

Manhole / Access Point: FWMH9 Internal
**CCTV Inspection Report**

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** SWMH1 X  
**Date:** 13/06/2019  
**Pre Cleaned:** Flushed through to enable survey

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>1</td>
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</table>

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Division:** District  
**Location Details:**

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Duty</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface water</td>
<td>Surface water</td>
<td>Catchment</td>
<td>150mm</td>
<td>Vitrified clay</td>
<td></td>
<td>SWMH2</td>
<td>SWMH1</td>
<td>14.1 metres</td>
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**Scale:** 1:0.73  
**Direction:** Upstream

<table>
<thead>
<tr>
<th>M/H Ref:SWMH2</th>
<th>I/L : metres</th>
<th>M/H Depth: 1600 metres</th>
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<tr>
<td>Position</td>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH2</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
</tr>
</tbody>
</table>

| 14.10 | M/HF | Finish node type, manhole, reference SWMH1 | 3387455 | Comment / 0 |

M/H Ref:SWMH1 | I/L : metres | M/H Depth: 0 metres
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM

Job Number 780878

Pipe Length Reference (PLR) SWMH2 X

Date 13/06/2019

Pre Cleaned Flushed through to enable survey

Weather 3 - Light Rain

Customer Present

Service Grade/Structural Grade 0/0

Base Unit DDFRT6A12S

Section Number 2

Road BBC

Place CAVERSHAM PARK

Location PEPPARD ROAD

Weather 3 - Light Rain

Customer Present

Service Grade/Structural Grade 0/0

Base Unit DDFRT6A12S

Section Number 2

Purpose Surface water

Duty Catchment

Shape/Size 150mm

Material Vitrified clay

Category

Start MH SWMH2

End MH SWMH3

Total length 19.67 metres

Scale 1:1.00

Direction Downstream

M/H Ref: SWMH2 | I/L : metres | M/H Depth: 1600 metres

Position Code Description Photo Type/Grade

0.00 MH Start node type, manhole, reference SWMH2

0.00 WL Water level 5% height/diameter

3387480 Comment / 0

3387481 Comment / 0

M/H Ref: SWMH3 | I/L : metres | M/H Depth: 1960 metres

19.67 MHF Finish node type, manhole, reference SWMH3

3387497 Comment / 0
## CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** SWMH3 X  
**Date:** 13/06/2019  
**Pre Cleaned:** Flushed through to enable survey  

<table>
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<th>Section Number</th>
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<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
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**Survey Details:**  
- **Pipe Length Reference:** SWMH3 X  
- **Date:** 13/06/2019  
- **Pre Cleaned:** Flushed through to enable survey  

### Customer Present

- **Service Grade:** 0/0
- **Base Unit:** DDFRT6A12S
- **Section Number:** 3

### Purpose

- **Surface water**
- **Catchment:** Peppard Road

### Notes

- **Material:** Vitrified clay
- **Shape/Size:** 225mm
- **Category:**
- **Start MH:** SWMH4
- **End MH:** SWMH3
- **Total length:** 40.05 metres

### Scale

- **1:2.10**
- **Direction:** Upstream

### Position Code Description

<table>
<thead>
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<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH4</td>
<td>3387541</td>
<td>Comment / 0</td>
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<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3387542</td>
<td>Comment / 0</td>
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<tr>
<td>2.10</td>
<td>JN</td>
<td>Junction at 12 o’clock, diameter 100mm</td>
<td>3387546</td>
<td>Comment / 0</td>
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<tr>
<td>40.05</td>
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<td>Finish node type, manhole, reference SWMH3</td>
<td>3387561</td>
<td>Comment / 0</td>
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**M/H Ref:** SWMH4 | **l/L:** metres | **M/H Depth:** 2310 metres

**M/H Ref:** SWMH3 | **l/L:** metres | **M/H Depth:** 1960 metres
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** SWMH4 X  
**Date:** 13/06/2019  
**Pre Cleaned Flushed through to enable survey**

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<th>Section Number</th>
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<td></td>
<td>0 / 0</td>
<td>DDFRT6A12S</td>
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**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

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<th>Purpose</th>
<th>Duty</th>
<th>Catchment</th>
<th>Shape / Size</th>
<th>Material</th>
<th>Category</th>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
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<tr>
<td>Surface water</td>
<td></td>
<td></td>
<td>225mm</td>
<td>Vitrified clay</td>
<td></td>
<td>SWMH4</td>
<td>SWMH5</td>
<td>23.11 metres</td>
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**Location Details**

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<th>Description</th>
<th>Photo</th>
<th>Type / Grade</th>
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<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH4</td>
<td>3387584</td>
<td>Comment / 0</td>
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<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3387586</td>
<td>Comment / 0</td>
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<tr>
<td>4.11</td>
<td>JN</td>
<td>Junction at 2 o'clock, diameter 150mm</td>
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<td>Comment / 0</td>
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<tr>
<td>23.11</td>
<td>M/HF</td>
<td>Finish node type, manhole, reference SWMH5</td>
<td>3387606</td>
<td>Comment / 0</td>
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**Scale:** 1:1.21  
**Direction:** Downstream
### CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
SWMH5 X

**Date**
13/06/2019

**Pre Cleaned**
Flushed through to enable survey

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<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
<td></td>
<td>5/0</td>
<td>DDFRT6A12S</td>
<td></td>
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</tbody>
</table>

**Weather**

- 3 - Light Rain

**Customer Present**

- Yes

**Service Grade/Structural Grade**

- 5/0

**Base Unit**

- DDFRT6A12S

**Service Grade/Structural Grade**

- 5/0

**Base Unit**

- DDFRT6A12S

**Section Number**

- 5

### Road

**BBC**

**Place**
CAVERSHAM PARK

**Location**
PEPPARD ROAD

### Purpose

- Surface water

### Duty

- Catchment

### Shape/Size

- 225mm

### Material

- Vitrified clay

### Start MH

- SWMH5

### End MH

- SWMH18

### Total length

- 25.89 metres

**Scale**
1:1.31

**Direction**
Downstream

### Position Code Description

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<tr>
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<th>Code</th>
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<th>Photo</th>
<th>Type/Grade</th>
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<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH5</td>
<td>3387753</td>
<td>Comment / 0</td>
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<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3387754</td>
<td>Comment / 0</td>
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<td>12.36</td>
<td>JN</td>
<td>Junction at 1 o'clock, diameter 100mm</td>
<td>3387758</td>
<td>Comment / 0</td>
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<tr>
<td>25.57</td>
<td>JN</td>
<td>Junction at 1 o'clock, diameter 100mm</td>
<td>3387779</td>
<td>Comment / 0</td>
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<tr>
<td>25.57</td>
<td>OBC</td>
<td>Other obstacles through connection/junction at 1 o'clock 50% cross-sectional area loss</td>
<td>3387791</td>
<td>Service / 5</td>
</tr>
<tr>
<td>25.89</td>
<td>SA</td>
<td>Survey abandoned - Remark: ABANDONED SURVEY DUE TO ROD PROTRUDING THROUGH JUNCTION UNABLE TO GET CAMERA PAST ROD.</td>
<td>3387830</td>
<td>Comment / 0</td>
</tr>
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</table>

M/H Ref: SWMH5 | I/L : metres | M/H Depth: 2410 metres

M/H Ref: SWMH18 | I/L : metres | M/H Depth: 2700 metres
<table>
<thead>
<tr>
<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>13/06/2019</td>
</tr>
</tbody>
</table>

Other obstacles through connection/junction at 1 o'clock 50% cross-sectional area loss

Survey abandoned - Remark: ABANDONED SURVEY DUE TO ROD PROTRUDING THROUGH JUNCTION UNABLE TO GET CAMERA PAST ROD.
## CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH1 X

**Date**
13/06/2019

**Pre Cleaned**
Flushed through to enable survey

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
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<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>6</td>
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</tbody>
</table>

**Survey Details**

- **Job Number:** 780878
- **Pipe Length Reference (PLR):** FWMH1 X
- **Date:** 13/06/2019
- **Pre Cleaned:** Flushed through to enable survey

**Survey Location**
- **Road:** BBC
- **Place:** CAVERSHAM PARK
- **Location:** PEPPARD ROAD
- **Base Unit:** DDRT6A12S
- **Section Number:** 6
- **Scale:** 1:1.15
- **Direction:** Upstream

**Survey Details**

- **Pipe Length:** 22.02 metres
- **Material:** Cast iron
- **Category:**
- **Start MH:** FWMH2
- **End MH:** FWMH1
- **Total Length:** 22.02 metres

### Position Details

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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</thead>
<tbody>
<tr>
<td>0.00 MH</td>
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<td>Start node type, manhole, reference FWMH2</td>
<td>3388119</td>
<td>Comment / 0</td>
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<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3388120</td>
<td>Comment / 0</td>
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<tr>
<td>22.02 MHF</td>
<td></td>
<td>Finish node type, manhole, reference FWMH1</td>
<td>3388129</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>

**Location Details**

- **Purpose:**
- **Duty:** Foul Catchment
- **Shape/Size:** 100mm
- **Material:** Cast iron
- **Category:**
- **Start MH:** FWMH2
- **End MH:** FWMH1
- **Total Length:** 22.02 metres

**Notes:**

- 

---

**Location Details cont.**

- **Location:** PEPPARD ROAD
- **District:**
- **Location Details:**

---

**Image:**

[Image of the inspection map]
# CCTV Inspection Report

**Surveyed by (Operator):** Paul Baynham  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** PUMP STATIX  
**Date:** 13/06/2019  
**Pre Cleaned:** Flushed through to enable survey

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>7</td>
</tr>
</tbody>
</table>

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foul</td>
<td>Catchment</td>
<td></td>
<td>100mm</td>
<td>Cast iron</td>
<td></td>
<td>FWMH1</td>
<td>PUMP STATION</td>
<td>36.16 metres</td>
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**Scale:** 1:1.89  
**Direction:** Upstream

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<th>Type/Grade</th>
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<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH1</td>
<td>3388219</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3388220</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>36.16 OCF</td>
<td>Finish node type, other special chamber, reference PUMP STATION</td>
<td>3388228</td>
<td>Comment / 0</td>
<td></td>
</tr>
</tbody>
</table>

M/H Ref: FWMH1 | I/L : metres | M/H Depth: 910 metres  
M/H Ref: PUMP STATION | I/L : metres | M/H Depth: 0 metres
## CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH3 X  
**Date:** 13/06/2019  
**Pre Cleared:** Flushed through to enable survey

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<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>8</td>
</tr>
</tbody>
</table>

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

**Purpose:** Duty Foul  
**Catchment:** Shape/Size: 150mm  
**Material:** Cast iron  
**Category:**  

**Start MH:** FWMH3  
**End MH:** FWMH4  
**Total length:** 22.02 metres  

**Scale:** 1:1.15  
**Direction:** Downstream

### Location Details

<table>
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<th>Type/Grade</th>
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<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference FWMH3</td>
<td>3388245</td>
<td>Comment / 0</td>
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<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3388246</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>22.02</td>
<td>M/H</td>
<td>Finish node type, manhole, reference FWMH4</td>
<td>3388257</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>
### CCTV Inspection Report

- **Surveyed by (Operator):** PAUL BAYNHAM
- **Job Number:** 780878
- **Pipe Length Reference (PLR):** FWMH2 X
- **Date:** 13/06/2019
- **Pre Cleaned Flushed through to enable survey:**

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<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
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<td>0/0</td>
<td>DDFRT6A12S</td>
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- **Base Unit:** DDFRT6A12S
- **Section Number:** 9
- **Pre Cleaned Flushed through to enable survey:**

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<th>Road</th>
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<tr>
<td>BBC</td>
<td>CAVERSHAM PARK</td>
<td>PEPPARD ROAD</td>
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- **Scale:** 1:0.31
- **Direction:** Upstream

#### Purpose
- **Duty:** Foul
- **Catchment:**

<table>
<thead>
<tr>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>150mm</td>
<td>Cast iron</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Start MH</th>
<th>End MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWMH3</td>
<td>FWMH2</td>
</tr>
</tbody>
</table>

| Total length | 6.21 metres |

#### Position

<table>
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<tr>
<th>Position</th>
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<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH3</td>
<td>3388285</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3388286</td>
<td>Comment / 0</td>
<td></td>
</tr>
</tbody>
</table>

| 6.21 MF | Finish node type, manhole, reference FWMH2 | 3388290 | Comment / 0 |

**Location Details**

- **M/H Ref:** FWMH3 | I/L: metres | M/H Depth: 1150 metres
- **M/H Ref:** FWMH2 | I/L: metres | M/H Depth: 1070 metres

<table>
<thead>
<tr>
<th>Start MH</th>
<th>End MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWMH3</td>
<td>FWMH2</td>
</tr>
</tbody>
</table>

| Total length | 6.21 metres |

- **M/H Ref:** FWMH2 | I/L: metres | M/H Depth: 1070 metres
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH4 X  
**Date:** 13/06/2019  
**Pre Cleaned:** Flushed through to enable survey

<table>
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<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>10</td>
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</table>

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

**Purpose:** Duty  
**Foul:** Catchment  
**Shape/Size:** 150mm  
**Material:** Cast iron  
**Category:**

<table>
<thead>
<tr>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWMH5</td>
<td>FWMH4</td>
<td>30.38 metres</td>
</tr>
</tbody>
</table>

**Scale:** 1:1.57  
**Direction:** Upstream

---

### Position Details

- **0.00 MH:** Start node type, manhole, reference FWMH5  
- **0.00 WL:** Water level 5% height/diameter  
- **30.38 MH:** Finish node type, manhole, reference FWMH4

---

**M/H Ref:** FWMH5 | I/L : metres | M/H Depth: 1710 metres  
**M/H Ref:** FWMH4 | I/L : metres | M/H Depth: 0 metres

---

**Photo** | **Type/Grade**  
3390997 | Comment / 0  
3390998 | Comment / 0  
3390999 | Comment / 0
CCTV Inspection Report

Surveyed by (Operator)  PAUL BAYNHAM  
Job Number  780878  
Pipe Length Reference(PLR)  FWMH5 X  
Date  13/06/2019  
Pre Cleaned  Flushed through to enable survey  

<table>
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<th>Base Unit</th>
<th>Section Number</th>
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<td>0/0</td>
<td>DDFRT6A12S</td>
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<td>PEPPARD ROAD</td>
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<th>Duty</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
<th>Start M/H</th>
<th>End M/H</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foul</td>
<td></td>
<td></td>
<td>150mm</td>
<td>Cast iron</td>
<td></td>
<td>FWMH5</td>
<td>FWMH6</td>
<td>14.34 metres</td>
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<table>
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<th>Scale</th>
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<td>1:0.73</td>
<td>Downstream</td>
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M/H Ref:FWMH5 | I/L : metres | M/H Depth: 1710 metres

<table>
<thead>
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<th>Type/Grade</th>
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<tbody>
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<td>0.00</td>
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<td>Start node type, manhole, reference FWMH5</td>
<td>3391000</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3391001</td>
<td>Comment / 0</td>
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<thead>
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<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
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<tbody>
<tr>
<td>14.34</td>
<td>REM</td>
<td>NOW AT RUNNING TRAP AT FWMH6</td>
<td>3391002</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>14.34</td>
<td>WRF</td>
<td>Finish node type, Winser trap, reference FWMH6</td>
<td>3391003</td>
<td>Comment / 0</td>
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M/H Ref:FWMH6 | I/L : metres | M/H Depth: 0 metres
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<th>Surveyed by (Operator)</th>
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<th>Date</th>
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<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>13/06/2019</td>
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NOW AT RUNNING TRAP AT FWMH6
# CCTV Inspection Report

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<th>Pipe Length Reference (PLR)</th>
<th>Date</th>
<th>Pre Cleaned</th>
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<tbody>
<tr>
<td>PAUL BAYNHAM</td>
<td>780878</td>
<td>FWMH1B X</td>
<td>14/06/2019</td>
<td>Flushed through to enable survey</td>
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</tbody>
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<table>
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<tr>
<th>Weather</th>
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<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<td>3 - Light Rain</td>
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<table>
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<tr>
<td>Date</td>
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<td>3 - Light Rain</td>
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<td>DDFRT6A12S</td>
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<tr>
<th>Purpose</th>
<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>150mm</td>
<td>Vitrified clay</td>
<td></td>
<td>FWMH1B</td>
<td>PUMP STATION</td>
<td>1.67 metres</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scale</th>
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<tr>
<td>1:0.05</td>
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<th>Type/Grade</th>
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<tr>
<td>0.00 MH</td>
<td></td>
<td>Start node type, manhole, reference FWMH1B</td>
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<td>Comment / 0</td>
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<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3391012</td>
<td>Comment / 0</td>
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<tr>
<td>0.44 CM</td>
<td></td>
<td>Cracks multiple from 1 to 5 o'clock</td>
<td>3391031</td>
<td>Structural / 3</td>
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<tr>
<td>1.67 ICF</td>
<td></td>
<td>Finish node type, inspection chamber, reference PUMP STATION</td>
<td>3391043</td>
<td>Comment / 0</td>
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M/H Ref:FWMH1B | I/L : metres | M/H Depth: 1180 metres

M/H Ref:PUMP STATION | I/L : metres | M/H Depth: 0 metres
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<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>14/06/2019</td>
</tr>
</tbody>
</table>

Cracks multiple from 1 to 5 o'clock

![Image of cracks](image-url)
### CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH1A X  
**Date:** 14/06/2019  
**Pre Cleaned:** Flushed through to enable survey  

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**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

<table>
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<th>Purpose</th>
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<th>Catchment</th>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
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<td></td>
<td></td>
<td></td>
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### Details

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

<table>
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<tr>
<td>1:0.84</td>
<td>Downstream</td>
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**M/H Ref:** FWMH1A | **I/L:** metres | **M/H Depth:** 1500 metres

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<th>Type/Grade</th>
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<tr>
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<td></td>
<td>Start node type, manhole, reference FWMH1A</td>
<td>3391087</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3391088</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>1.13 CL (S1)</td>
<td></td>
<td>Crack longitudinal at 7 o'clock, Start</td>
<td>3391094</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>3.09 CL (F1)</td>
<td></td>
<td>Crack longitudinal at 7 o'clock, Start, Finished</td>
<td>3391095</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>3.09 CL (S2)</td>
<td></td>
<td>Crack longitudinal at 3 o'clock, Start</td>
<td>3391096</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>4.95 CL (F2)</td>
<td></td>
<td>Crack longitudinal at 3 o'clock, Start, Finished</td>
<td>3391098</td>
<td>Structural / 2</td>
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<tr>
<td>5.01 CL (S3)</td>
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<td>Crack longitudinal at 7 o'clock, Start</td>
<td>3391099</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>6.76 CL (F3)</td>
<td></td>
<td>Crack longitudinal at 7 o'clock, Start, Finished</td>
<td>3391101</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>6.76 CL (S4)</td>
<td></td>
<td>Crack longitudinal at 5 o'clock, Start</td>
<td>3391102</td>
<td>Structural / 2</td>
</tr>
<tr>
<td>7.01 CL (S5)</td>
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<td>Crack longitudinal at 9 o'clock, Start</td>
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<td>Structural / 2</td>
</tr>
<tr>
<td>8.79 CL (F4)</td>
<td></td>
<td>Crack longitudinal at 5 o'clock, Start, Finished</td>
<td>3391106</td>
<td>Structural / 2</td>
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<td>5.79 CL (F5)</td>
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<td>Crack longitudinal at 9 o'clock, Start, Finished</td>
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<td>Structural / 2</td>
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<tr>
<td>16.49 ICF</td>
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<td>Finish node type, inspection chamber, reference PUMP STATION</td>
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<td>Comment / 0</td>
</tr>
</tbody>
</table>

**M/H Ref:** PUMP STATION | **I/L:** metres | **M/H Depth:** 0 metres

---

30
Job Number: 780878
Surveyed by (Operator): PAUL BAYNHAM
Base Unit: DDFRT6A12S
Date: 14/06/2019

- Crack longitudinal at 7 o'clock, Start
- Crack longitudinal at 7 o'clock, Start, Finished
- Crack longitudinal at 3 o'clock, Start
- Crack longitudinal at 3 o'clock, Start, Finished
- Crack longitudinal at 7 o'clock, Start
- Crack longitudinal at 7 o'clock, Start, Finished
<table>
<thead>
<tr>
<th>From: FWMH1A / To: PUMP STATION</th>
<th>From: FWMH1A / To: PUMP STATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crack longitudinal at 5 o'clock, Start</td>
<td>Crack longitudinal at 9 o'clock, Start</td>
</tr>
<tr>
<td>Size: 150</td>
<td>Size: 150</td>
</tr>
<tr>
<td>6.76 M</td>
<td>7.01 M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>From: FWMH1A / To: PUMP STATION</th>
<th>From: FWMH1A / To: PUMP STATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crack longitudinal at 5 o'clock, Start, Finished</td>
<td>Crack longitudinal at 9 o'clock, Start, Finished</td>
</tr>
<tr>
<td>Size: 150</td>
<td>Size: 150</td>
</tr>
<tr>
<td>8.79 M</td>
<td>8.79 M</td>
</tr>
</tbody>
</table>
### CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH11 X

**Date**
14/06/2019

**Pre Cleaned/Flushed through to enable survey**

**Weather**
3 - Light Rain

**Customer Present**

**Service Grade/Structural Grade**
0/0

**Base Unit**
DDFR6A12S

**Section Number**
14

**Road**
BBC

**Place**
CAVERSHAM PARK

**Location**
PEPPARD ROAD

**Purpose**

**Duty**
Foul

**Catchment**

**Shape/Size**
100mm

**Material**
Vitrified clay

**Category**

**Start MH**
FWMH10

**End MH**
FWMH11

**Total length**
10.04 metres

**Scale**
1:0.52

**Direction**
Upstream

---

### Location Details

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
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<th>Photo</th>
<th>Type/Grade</th>
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</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td></td>
<td>Start node type, manhole, reference FWMH10</td>
<td>3391531</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3391532</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>10.04 M HF</td>
<td></td>
<td>Finish node type, manhole, reference FWMH11</td>
<td>3391533</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>

M/H Ref: FWMH10 | I/L : metres | M/H Depth: 1360 metres
M/H Ref: FWMH11 | I/L : metres | M/H Depth: 1000 metres
**CCTV Inspection Report**

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH12 X

**Date**
14/06/2019

**Pre Cleaned**
Flushed through to enable survey

<table>
<thead>
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<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
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<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>15</td>
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</table>

**Survey Details**

- **Job Number**: 780878
- **Pipe Length Reference**: FWMH12 X
- **Date**: 14/06/2019
- **Pre Cleaned**: Yes, flushed through to enable survey

**Location Details**

- **Road**: BBC
- **Place**: CAVERSHAM PARK
- **Location**: PEPPARD ROAD
- **Division**: District
- **Location Details**: Location Details

**Purpose**
Foul

**Duty**
Foul

**Catchment**

- **Shape/Size**: 100mm
- **Material**: Vitrified clay

**Start MH**: FWMH11
**End MH**: FWMH12
**Total length**: 7.07 metres

**Scale**: 1:0.37
**Direction**: Upstream

**Position Code Description**

- **0.00 MH**: Start node type, manhole, reference FWMH11
- **0.00 WL**: Water level 5% height/diameter
- **7.07 MHF**: Finish node type, manhole, reference FWMH12

**Photo**

- 3391534 Comment / 0
- 3391535 Comment / 0
- 3391536 Comment / 0

**M/H Ref**: FWMH12 | **I/L**: metres | **M/H Depth**: 840 metres
## CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH10 X

**Date**
14/06/2019

**Pre Cleaned**
Flushed through to enable survey

<table>
<thead>
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<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/3</td>
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</tr>
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</table>

**Pipe Length Reference (PLR)**
FWMH10 X

**Weather**
3 - Light Rain

**Customer Present**

**Service Grade/Structural Grade**
0/3

**Base Unit**
DDFRT6A12S

**Section Number**
16

---

**Road**
BBC

**Place**
CAVERSHAM PARK

**Location**
PEPPARD ROAD

**Division**

**District**

**Location Details**

**Purpose**

**Duty**
Foul

**Catchment**

**Shape/Size**
100mm

**Material**
Vitrified clay

**Category**

**Start MH**
FWMH10

**End MH**
FWMH9

**Total length**
10.73 metres

**Scale**
1:52

**Direction**
Downstream

### M/H Ref: FWMH10

Position | Code | Description                                | Photo   | Type/Grade |
---------|------|--------------------------------------------|---------|------------|
0.00     | MH   | Start node type, manhole, reference FWMH10 | 3391537 | Comment / 0 |
0.00     | WL   | Water level 5% height/diameter             | 3391538 | Comment / 0 |

### M/H Ref: FWMH9

Position | Code | Description                                | Photo   | Type/Grade |
---------|------|--------------------------------------------|---------|------------|
9.09     | CC   | Crack circumferential from 1 to 11 o'clock | 3391540 | Structural / 2 |
10.21    | CM   | Cracks multiple from 9 to 5 o'clock        | 3391541 | Structural / 3 |
10.73    | MHF  | Finish node type, manhole, reference FWMH9 | 3391542 | Comment / 0 |

---

M/H Ref: FWMH9 | I/L : metres | M/H Depth: 0 metres

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### CCTV Inspection Photos

<table>
<thead>
<tr>
<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>14/06/2019</td>
</tr>
</tbody>
</table>

- Crack circumferential from 1 to 11 o'clock
- Cracks multiple from 9 to 5 o'clock
# CCTV Inspection Report

Surveyed by (Operator)  PAUL BAYNHAM  
Job Number  780878  
Pipe Length Reference (PLR)  FWMH13 X  
Date  14/06/2019  
Pre Cleaned  Flushed through to enable survey  
Weather  3 - Light Rain  
Customer Present  Service Grade/Structural Grade  0/0  
Base Unit  DDFRT6A12S  
Section Number  17  

<table>
<thead>
<tr>
<th>Road</th>
<th>BBC</th>
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</thead>
<tbody>
<tr>
<td>Place</td>
<td>CAVERSHAM PARK</td>
</tr>
<tr>
<td>Location</td>
<td>PEPPARD ROAD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Foul</td>
<td></td>
<td>100mm</td>
<td>Vitrified clay</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Start MH</th>
<th>FWMH12</th>
</tr>
</thead>
<tbody>
<tr>
<td>End MH</td>
<td>FWMH13</td>
</tr>
<tr>
<td>Total length</td>
<td>6.36 metres</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH12</td>
<td>3391543</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3391544</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>6.36 MHF</td>
<td>Finish node type, manhole, reference FWMH13</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

M/H Ref: FWMH13 | I/L : metres | M/H Depth: 750 metres
**CCTV Inspection Report**

Surveyed by (Operator)  
PAUL BAYNHAM  

Job Number  
780878  

Pipe Length Reference (PLR)  
SWMH9 X  

Date  
17/06/2019  

Pre Cleaned  
Flushed through to enable survey  

Weather  
3 - Light Rain  

Customer Present  
Service Grade/Structural Grade  
0/4  

Base Unit  
DFRT6A12S  

Section Number  
18  

---

**Road**  
BBC  

**Place**  
CAVERSHAM PARK  

**Location**  
PEPPARD ROAD  

**Division**  
District  

**Location Details**  

**Purpose**  
Surface water  

**Duty**  
Catchment  

**Shape/Size**  
150mm  

**Material**  
Vitrified clay  

**Category**  

**Start MH**  
SWMH10  

**End MH**  
SWMH9  

**Total length**  
11.36 metres  

**Scale**  
1:58  

**Direction**  
Upstream  

---

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference SWMH10</td>
<td>3394644</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3394645</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>8.57 B</td>
<td>Broken pipe from 8 to 4 o'clock</td>
<td>3394653</td>
<td>Structural / 4</td>
<td></td>
</tr>
<tr>
<td>11.36 MHF</td>
<td>Finish node type, manhole, reference SWMH9</td>
<td>3394654</td>
<td>Comment / 0</td>
<td></td>
</tr>
</tbody>
</table>

---

M/H Ref:SWMH10 | I/L : metres | M/H Depth: 640 metres  
M/H Ref:SWMH9 | I/L : metres | M/H Depth: 0 metres  

---

38
Broken pipe from 8 to 4 o'clock
**CCTV Inspection Report**

Surveyed by (Operator)  
PAUL BAYNHAM  
Job Number 780878  
Pipe Length Reference (PLR) SWMH10 X  
Date 17/06/2019  
Pre Cleaned Flushed through to enable survey  

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>19</td>
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</table>

**Position Code Description**

<table>
<thead>
<tr>
<th>Code</th>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH</td>
<td>0.00</td>
<td>Start node type, manhole, reference SWMH10</td>
</tr>
<tr>
<td>WL</td>
<td>0.00</td>
<td>Water level 5% height/diameter</td>
</tr>
<tr>
<td>JN</td>
<td>9.08</td>
<td>Junction at 10 o'clock, diameter 100mm</td>
</tr>
<tr>
<td>JN</td>
<td>9.44</td>
<td>Junction at 10 o'clock, diameter 100mm</td>
</tr>
<tr>
<td>M/H</td>
<td>26.41</td>
<td>Finish node type, manhole, reference SWMH11</td>
</tr>
</tbody>
</table>

**Scale** 1:1.36  
**Direction** Downstream

**Purpose** Surface water  
**Catchment** Shape/Size 150mm  
**Material** Vitrified clay  
**Category** Start MH SWMH10  
**End MH** SWMH11  
**Total length** 26.41 metres

**Location Details**

- **Road**: BBC  
- **Place**: CAVERSHAM PARK  
- **Location**: PEPPARD ROAD  

**Scale** 1:1.36  
**Direction** Downstream

**Position Code Description**

<table>
<thead>
<tr>
<th>Code</th>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH</td>
<td>0.00</td>
<td>Start node type, manhole, reference SWMH10</td>
</tr>
<tr>
<td>WL</td>
<td>0.00</td>
<td>Water level 5% height/diameter</td>
</tr>
<tr>
<td>JN</td>
<td>9.08</td>
<td>Junction at 10 o'clock, diameter 100mm</td>
</tr>
<tr>
<td>JN</td>
<td>9.44</td>
<td>Junction at 10 o'clock, diameter 100mm</td>
</tr>
<tr>
<td>M/H</td>
<td>26.41</td>
<td>Finish node type, manhole, reference SWMH11</td>
</tr>
</tbody>
</table>

**M/H Ref:** SWMH10 | **| L : metres | **M/H Depth:** 640 metres

**M/H Ref:** SWMH11 | **| L : metres | **M/H Depth:** 0 metres
**CCTV Inspection Report**

**Surveyed by (Operator):** PAUL BAYNHAM

**Job Number:** 780878

**Pipe Length Reference (PLR):** SWMH11 X

**Date:** 17/06/2019

**Pre Cleaned:** Flushed through to enable survey

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>20</td>
</tr>
</tbody>
</table>

- **Road:** BBC
- **Place:** CAVERSHAM PARK
- **Location:** PEPPARD ROAD

**Pipe Details:**

- **Purpose:** Surface Water Catchment
- **Shape/Size:** 150mm
- **Material:** Vitrified clay
- **Category:**
- **Start MH:** SWMH12
- **End MH:** SWMH11
- **Total length:** 9.44 metres

<table>
<thead>
<tr>
<th>Position Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference SWMH12</td>
<td>3394840</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3394842</td>
<td>Comment / 0</td>
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<td>9.44 M/H</td>
<td>Finish node type, manhole, reference SWMH11</td>
<td>3394848</td>
<td>Comment / 0</td>
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**Location Details:**

- **Scale:** 1:0.47
- **Direction:** Upstream

**County:** Berkshire

**Survey Details:**

- **Pre Cleaned:** Yes
- **Flushed through to enable survey:** Yes
- **Surveyed by:** PAUL BAYNHAM
- **Job Number:** 780878
- **Pipe Length Reference (PLR):** SWMH11 X
- **Date:** 17/06/2019

**Notes:**

- Weather: 3 - Light Rain
- Customer Present: No
- Service Grade/Structural Grade: 0/0
- Base Unit: DDFRT6A12S
- Section Number: 20

**Scaling:**

- **Scale:** 1:0.47
- **Direction:** Upstream

**Position Code Description:**

- 0.00 MH: Start node type, manhole, reference SWMH12
- 0.00 WL: Water level 5% height/diameter
- 9.44 M/H: Finish node type, manhole, reference SWMH11

**Photo:**

- 3394840: Comment / 0
- 3394842: Comment / 0

**Comments:**

- M/H Ref: SWMH12 | I/L : metres | M/H Depth: 1320 metres
- M/H Ref: SWMH11 | I/L : metres | M/H Depth: 0 metres
**CCTV Inspection Report**

Surveyed by (Operator)  
PAUL BAYNHAM

Job Number  
780878

Pipe Length Reference (PLR)  
SWMH12 X

Date  
17/06/2019

Pre Cleaned  
Flushed through to enable survey

<table>
<thead>
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<td>Base Unit</td>
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<tr>
<td>Section Number</td>
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**Weather**  
3 - Light Rain

**Customer Present**

**Pipe Length Reference (PLR)**  
SWMH12 X

**Date**  
17/06/2019

**Pre Cleaned**  
Flushed through to enable survey

**Service Grade/Structural Grade**  
0/0

**Base Unit**  
DDFRT6A12S

**Section Number**  
21

**Road**  
BBC

**Place**  
CAVERSHAM PARK

**Location**  
PEPPARD ROAD

**Division**

**District**

**Location Details**

**Purpose**

**Duty**

**Catchment**

**Shape/Size**

**Material**

**Category**

**Start MH**

**End MH**

**Total length**

---

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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<tbody>
<tr>
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<td>Start node type, manhole, reference SWMH12</td>
<td>3394917</td>
<td>Comment / 0</td>
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<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3395141</td>
<td>Comment / 0</td>
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</table>

---

1.87 OFF  
Finish node type, outfall, reference RWP

---

M/H Ref: RWP  
| I/L : metres | M/H Depth: 0 metres |

---

Scale 1:0.05  
Direction Downstream
## CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
SWMH15 X

**Date**
17/06/2019

**Pre Cleaned Flushed through to enable survey**

<table>
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<th>Base Unit</th>
<th>Section Number</th>
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<td>0/0</td>
<td>DDFRT6A12S</td>
<td>22</td>
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</tbody>
</table>

**Survey Details**

- **Pre Cleaned**: Flushed through to enable survey
- **Date**: 17/06/2019
- **Weather**: 3 - Light Rain

**Location Details**

- **Road**: BBC
- **Place**: CAVERSHAM PARK
- **Location**: PEPPARD ROAD
- **Distance**: 20.52 metres

**Pipe Details**

- **Shape/Size**: 225mm
- **Material**: Vitrified clay
- **Category**: Start MH: SWMH14, End MH: SWMH15
- **Total length**: 20.52 metres

**M/H Start/End Reference**

- **M/H Ref**: SWMH14, **I/L** 2360 metres
- **M/H Ref**: SWMH15, **I/L** 0 metres

---

**Position Code Description**

- **0.00 MH**: Start node type, manhole, reference SWMH14
- **0.00 WL**: Water level 5% height/diameter
- **20.52 MHF**: Finish node type, manhole, reference SWMH15

---

**Photos**

- **0.00 MH**: Photo ID 3395219, Comment / 0
- **0.00 WL**: Photo ID 3395220, Comment / 0
- **20.52 MHF**: Photo ID 3395222, Comment / 0
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM

Job Number 780878

Pipe Length Reference (PLR) SWMH14 X

Date 17/06/2019

Pre Cleaned Flushed through to enable survey

Weather 3 - Light Rain

Customer Present

Service Grade/Structural Grade 0/0

Base Unit DDFRT6A12S

Section Number 23

Road BBC

Place CAVERSHAM PARK

Location PEPPARD ROAD

Purpose Surface water

Catchment

Shape/Size 225mm

Material Vitrified clay

Category

Start MH SWMH14

End MH SWMH16

Total length 32.75 metres

Scale 1:1.68

Direction Downstream

M/H Ref: SWMH14 | I/L: metres | M/H Depth: 2360 metres

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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<tbody>
<tr>
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<td>Water level 5% height/diameter</td>
<td>3395248</td>
<td>Comment / 0</td>
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<tr>
<td>1.49 LL</td>
<td></td>
<td>Line of drain/sewer deviates left</td>
<td>3395252</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>2.77 JN</td>
<td></td>
<td>Junction at 11 o'clock, diameter 100mm</td>
<td>3395253</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>8.46 JN</td>
<td></td>
<td>Junction at 9 o'clock, diameter 100mm</td>
<td>3395257</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>28.51 JN</td>
<td></td>
<td>Junction at 3 o'clock, diameter 100mm</td>
<td>3395269</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>32.75 M/HF</td>
<td></td>
<td>Finish node type, manhole, reference SWMH16</td>
<td>3395270</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>

M/H Ref: SWMH16 | I/L: metres | M/H Depth: 0 metres
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH14 X  
**Date:** 17/06/2019  
**Pre Cleaned:** Flushed through to enable survey  

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td>0/0</td>
<td></td>
</tr>
</tbody>
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**Base Unit:** DDFRT6A12S  
**Section Number:** 24

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Division:**  
**District:**  
**Location Details:**

### Purpose

<table>
<thead>
<tr>
<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Start MH</th>
<th>End MH</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foul</td>
<td>Foul</td>
<td>Foul</td>
<td>FWMH15</td>
<td>FWMH14</td>
<td>27.49 metres</td>
</tr>
</tbody>
</table>

### Scale

1:1.42  
**Direction:** Upstream

### M/H Reference:

- **M/H Ref:** FWMH15  
  - **I/L:** metres  
  - **M/H Depth:** 1050 metres

### Position

<table>
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<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference FWMH15</td>
<td>3395425</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3395428</td>
</tr>
<tr>
<td>23.56</td>
<td>LR</td>
<td>Line of drain/sewer deviates right</td>
<td>3395458</td>
</tr>
<tr>
<td>27.49</td>
<td>M/HF</td>
<td>Finish node type, manhole, reference FWMH14</td>
<td>3395486</td>
</tr>
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</table>
#### CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH15 X  
**Date:** 17/06/2019  
**Pre Cleaned:** Flushed through to enable survey  
**Weather:** 3 - Light Rain  
**Customer Present:**  
**Service Grade/Structural Grade:** 0/0  
**Base Unit:** DDFRT6A12S  
**Section Number:** 25  
**Pipe Length Reference (PLR):** FWMH15 X  
**Date:** 17/06/2019

<table>
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<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tbody>
<tr>
<td>BBC</td>
<td>CAVERSHAM PARK</td>
<td>PEPPARD ROAD</td>
<td>3 - Light Rain</td>
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<td>0/0</td>
<td>DDFRT6A12S</td>
<td>25</td>
</tr>
</tbody>
</table>

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Purpose:**  
**Duty:** Foul  
**Catchment:**  
**Shape/Size:** 100mm  
**Material:** Cast iron  
**Category:**  
**Start MH:** FWMH15  
**End MH:** FWMH3  
**Total length:** 36.31 metres

**Scale:** 1:1.89  
**Direction:** Downstream

<table>
<thead>
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<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH15</td>
<td>3395685</td>
<td>Comment / 0</td>
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</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3395686</td>
<td>Comment / 0</td>
<td></td>
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<tr>
<td>2.56 LL</td>
<td>Line of drain/sewer deviates left</td>
<td>3395687</td>
<td>Comment / 0</td>
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</tr>
<tr>
<td>3.63 REM</td>
<td>JOINING ANOTHER PIPE</td>
<td>3395688</td>
<td>Comment / 0</td>
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<tr>
<td>3.95 LR</td>
<td>Line of drain/sewer deviates right</td>
<td>3395689</td>
<td>Comment / 0</td>
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</tr>
<tr>
<td>36.31 MHF</td>
<td>Finish node type, manhole, reference FWMH3</td>
<td>3395726</td>
<td>Comment / 0</td>
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</table>

M/H Ref:FWMH15 | I/L : metres | M/H Depth: 1050 metres

M/H Ref:FWMH3 | I/L : metres | M/H Depth: 1150 metres
<table>
<thead>
<tr>
<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>17/06/2019</td>
</tr>
</tbody>
</table>

**JOINING ANOTHER PIPE**
**Surveyed by (Operator):** PAUL BAYNHAM
**Job Number:** 780878
**Pipe Length Reference (PLR):** FWMH22 X
**Date:** 17/06/2019
**Pre Cleaned:** Flushed through to enable survey

<table>
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<th>Weather</th>
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<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
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</table>

**Weather:** 3 - Light Rain
**Customer Present:**

**Pipe Length Reference (PLR):** FWMH22 X
**Date:** 17/06/2019
**Pre Cleaned:** Flushed through to enable survey

**Base Unit:** DDFRT6A12S
**Section Number:** 26

**Road:** BBC
**Place:** CAVERSHAM PARK
**Location:** PEPPARD ROAD

**Purpose:**
**Duty:** Foul
**Catchment:**

**Shape/Size:** 100mm
**Material:** Polyvinyl chloride

**Start MH:** FWMH21
**End MH:** FWMH22
**Total length:** 4.95 metres

**Scale:** 1:0.21
**Direction:** Upstream

### Location Details

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH21</td>
<td>3395852</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3395853</td>
<td>Comment / 0</td>
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</tr>
<tr>
<td>4.95 MHF</td>
<td>Finish node type, manhole, reference FWMH22</td>
<td>3395856</td>
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</table>

M/H Ref:FWMH21 | I/L : metres | M/H Depth: 850 metres

M/H Ref:FWMH22 | I/L : metres | M/H Depth: 740 metres
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM
Job Number 780878
Pipe Length Reference (PLR) FWMH21 X
Date 17/06/2019
Pre Cleaned Flushed through to enable survey

<table>
<thead>
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<th>Section Number</th>
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<th>Purpose</th>
<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Material</th>
<th>Category</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Liner</td>
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<table>
<thead>
<tr>
<th>Shape/Size</th>
<th>Material Category</th>
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<tr>
<td>100mm</td>
<td>Liner</td>
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<tr>
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</thead>
<tbody>
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<tr>
<th>M/H Ref: FWMH21</th>
<th>I/L : metres</th>
<th>M/H Depth: 850 metres</th>
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<tbody>
<tr>
<td>Position</td>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>0.00 MH</td>
<td></td>
<td>Start node type, manhole, reference FWMH21</td>
</tr>
<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
</tr>
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<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.81 MHF</td>
<td></td>
<td>Finish node type, manhole, reference FWMH20</td>
<td>3395882</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>

M/H Ref: FWMH20 | I/L : metres | M/H Depth: 1170 metres
## CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** SWMH17 X  
**Date:** 17/06/2019  
**Pre Cleaned:** Flushed through to enable survey  

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>28</td>
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</tbody>
</table>

**Weather:** 3 - Light Rain  
**Customer Present:** No  
**Service Grade/Structural Grade:** 0/0  
**Base Unit:** DDFRT6A12S  
**Section Number:** 28

**Weather:** 3 - Light Rain  
**Customer Present:** No  
**Service Grade/Structural Grade:** 0/0  
**Base Unit:** DDFRT6A12S  
**Section Number:** 28

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

**Purpose:** Surface water  
**Duty:** Catchment  
**Catchment:** Shape/Size: 100mm  
**Material:** Polyvinyl chloride  
**Category:**

**Start MH:** SWMH17  
**End MH:** SWMH6  
**Total length:** 12.69 metres

**Scale:** 1:0.63  
**Direction:** Downstream

### M/H Ref: SWMH17 | I/L: metres | M/H Depth: 1100 metres

<table>
<thead>
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<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td></td>
<td>Start node type, manhole, reference SWMH17</td>
<td>3395911</td>
<td>Comment / 0</td>
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<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3395912</td>
<td>Comment / 0</td>
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12.69 MHF Finish node type, manhole, reference SWMH6  
**Photo:** 3395913  
**Type/Grade:** Comment / 0

### M/H Ref: SWMH6 | I/L: metres | M/H Depth: 0 metres

<table>
<thead>
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<th>Position</th>
<th>Code</th>
<th>Description</th>
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<th>Type/Grade</th>
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<tr>
<td>12.69 MHF</td>
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<td>Finish node type, manhole, reference SWMH6</td>
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<td>Comment / 0</td>
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</table>

M/H Ref: SWMH6 | I/L: metres | M/H Depth: 0 metres

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## CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
SWMH16 X

**Date**
17/06/2019

**Pre Cleaned Flushed through to enable survey**

<table>
<thead>
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<th>Base Unit</th>
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<tr>
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**Weather**
3 - Light Rain

**Pre Cleaned**
Flushed through to enable survey

**Customer Present**

<table>
<thead>
<tr>
<th>Road BBC</th>
<th>Place</th>
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<tbody>
<tr>
<td></td>
<td>CAVERSHAM P</td>
<td>PEPPARD ROAD</td>
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<table>
<thead>
<tr>
<th>Division</th>
<th>District</th>
<th>Location Details</th>
</tr>
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</table>

**Purpose**
Surface water

**Duty**
Catchment

<table>
<thead>
<tr>
<th>Scale</th>
<th>Direction</th>
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</thead>
<tbody>
<tr>
<td>1:0.00</td>
<td>Upstream</td>
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</tbody>
</table>

**Shape/Size**
225mm

**Material**
Vitrified clay

**Category**

<table>
<thead>
<tr>
<th>Start MH</th>
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</thead>
<tbody>
<tr>
<td>SWMH7</td>
<td>SWMH16</td>
<td>0 metres</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
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<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH7</td>
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<td>Comment / 0</td>
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<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3395981</td>
<td>Comment / 0</td>
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</table>

**M/H Ref:** SWMH7 | **I/L:** metres | **M/H Depth:** 2490 metres

**M/H Ref:** SWMH16 | **I/L:** metres | **M/H Depth:** 0 metres

---

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CCTV Inspection Report

Surveyed by (Operator) | Job Number | Pipe Length Reference (PLR) | Date | Pre Cleaned
PAUL BAYNHAM | 780878 | SWMH7 X | 18/06/2019 | Flushed through to enable survey

Weather | Customer Present | Service Grade/Structural Grade | Base Unit | Section Number
3 - Light Rain | | 0/0 | DDFRT6A12S | 30

Road | Place | Location
BBC | CAVERSHAM PARK | PEPPARD ROAD

Purpose | Duty | Catchment | Shape/Size | Material | Category | Start MH | End MH | Total length | Scale | Direction
Surface water | | | 300mm | Vitrified clay | | SWMH7 | SWMH8 | 8.95 metres | 1:0.42 | Downstream

Position | Code | Description | Photo | Type/Grade
0.00 | MH | Start node type, manhole, reference SWMH7 | 3397159 | Comment / 0
0.00 | WL | Water level 5% height/diameter | 3397161 | Comment / 0
8.95 | M/F | Finish node type, manhole, reference SWMH8 | 3397163 | Comment / 0
# CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BAYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
SWMH8 X

**Date**
18/06/2019

**Pre Cleaned Flushed through to enable survey**

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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</tbody>
</table>

**Survey Details**

- **Location:** CAVERSHAM PARK, PEPPARD ROAD
- **Road:** BBC
- **Place:** CAVERSHAM PARK
- **Division:** District
- **Location Details:** Location

**Purpose:** Surface water

**Catchment:** Shape/Size 300mm, Material: Vitrified Clay, Category:

**Start MH:** SWMH8
**End MH:** SWMH18
**Total length:** 26.43 metres

**Scale:** 1:1.36
**Direction:** Downstream

**Position Code Description**

- **0.00 MH:** Start node type, manhole, reference SWMH8
- **0.00 WL:** Water level 5% height/diameter
- **26.43 MHF:** Finish node type, manhole, reference SWMH18

**Photo Type/Grade**

- **3397174 Comment / 0**
- **3397175 Comment / 0**
- **3397211 Comment / 0**

M/H Ref: SWMH8 | I/L : metres | M/H Depth: 2660 metres

M/H Ref: SWMH18 | I/L : metres | M/H Depth: 0 metres

---

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CCTV Inspection Report

Surveyed by (Operator) P.AUL BAYNHAM
Job Number 780878
Pipe Length Reference (PLR) SWMH18 X
Date 18/06/2019
Pre Cleaned Flushed through to enable survey

Weather 3 - Light Rain
Customer Present
Service Grade/Structural Grade 0/0
Base Unit DDFRT6A12S
Section Number 32

Road BBC
Place CAVERSHAM PARK
Location PEPPARD ROAD

Purpose Duty Surface water
Catchment Shape/Size 300mm
Material Vittrified clay
Category

Start MH SWMH18
End MH SWMH19
Total length 28.02 metres

Scale 1:1.47
Direction Downstream

M/H Ref:SWMH18 | I/L : metres | M/H Depth: 2700 metres

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Start node type, manhole, reference SWMH18</td>
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<td>Comment / 0</td>
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<td>0.00 WL</td>
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<td>Water level 5% height/diameter</td>
<td>3397609</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>7.51 REM</td>
<td></td>
<td>HIDDEN MANHOLE UNDER GRAVEL ACCESS ROAD</td>
<td>3397613</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>28.02 REM</td>
<td></td>
<td>NOW AT BACK DROP INTO SWMH19</td>
<td>3397627</td>
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<tr>
<td>28.02 MHF</td>
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<td>Finish node type, manhole, reference SWMH19</td>
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</tr>
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</table>

M/H Ref:SWMH19 | I/L : metres | M/H Depth: 0 metres
CCTV Inspection Photos

Job Number
780878

Surveyed by (Operator)
PAUL BAYNHAM

Base Unit
DDFRT6A12S

Date
18/06/2019

HIDDEN MANHOLE UNDER GRAVEL ACCESS ROAD

NOW AT BACK DROP INTO SWMH19
## CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM
**Job Number:** 780878
**Pipe Length Reference (PLR):** SWMH19 X
**Date:** 18/06/2019
**Pre Cleaned:** Flushed through to enable survey

<table>
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<th>Base Unit</th>
<th>Section Number</th>
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</table>

**Survey Details:**
- **Road:** BBC
- **Place:** CAVERSHAM PARK
- **Location:** PEPPARD ROAD
- **Purpose:** Surface water
- **Catchment:** Shape/Size: 300mm, Material: Vitrified clay
- **Material:** Category
- **Start MH:** SWMH19
- **End MH:** LAKE
- **Total length:** 49.11 metres
- **Scale:** 1:2.57
- **Direction:** Downstream

### M/H Ref: SWMH19 | I/L: metres | M/H Depth: 3250 metres

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference SWMH19</td>
<td>3397864</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3397865</td>
</tr>
</tbody>
</table>

### M/H Ref: LAKE | I/L: metres | M/H Depth: 0 metres

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.25</td>
<td>REM</td>
<td>HIDDEN MANHOLE</td>
<td>3397889</td>
</tr>
<tr>
<td>48.11</td>
<td>REM</td>
<td>HIGH WATER LEVELS DUE TO LAKE LEVELS UNABLE TO SURVEY FURTHER</td>
<td>3397891</td>
</tr>
<tr>
<td>48.11</td>
<td>OFF</td>
<td>Finish node type, outfall, reference LAKE</td>
<td>3397893</td>
</tr>
</tbody>
</table>
Hidden Manhole

High water levels due to lake levels unable to survey further

Metadata:
- Job Number: 780878
- Surveyed by (Operator): PAUL BAYNHAM
- Base Unit: DDFRT6A12S
- Date: 18/06/2019
## CCTV Inspection Report

### Surveyed by (Operator):
**PAUL BAYNHAM**

### Job Number:
**780878**

### Pipe Length Reference (PLR):
**FWMH6 X**

### Date:
**18/06/2019**

### Pre Cleaned Flushed through to enable survey

### Weather
- **3 - Light Rain**

### Customer Present

### Service Grade / Structural Grade
- **0 / 0**

### Base Unit
**DDFR6A12S**

### Section Number
**34**

---

### Road
**BBC**

### Place
**CAVERSHAM PARK**

### Location
**PEPPARD ROAD**

---

### Purpose

### Duty
**Foul**

### Catchment

### Shape/Size
**150mm**

### Material
**Cast iron**

### Category

### Start MH Reference
**FWMH7**

### End MH Reference
**FWMH6**

### Total Length
**7.13 metres**

### Scale
**1:0.37**

### Direction
**Upstream**

---

### M/H Reference FWMH7
- **I/L**: metres
- **M/H Depth**: 1580 metres

### Position Code Description
- **0.00 MH**: Start node type, manhole, reference FWMH7
- **0.00 WL**: Water level 5% height/diameter

### Photo Type / Grade
- **3398047**: Comment / 0
- **3398054**: Comment / 0

---

### M/H Reference FWMH6
- **I/L**: metres
- **M/H Depth**: 1560 metres

### Position Code Description
- **7.13 MHF**: Finish node type, manhole, reference FWMH6

### Photo Type / Grade
**3398065**: Comment / 0

---

58
CCTV Inspection Report

Surveyed by (Operator):
PAUL BAYNHAM
Job Number:
780878
Pipe Length Reference (PLR):
FWMH7 X
Date:
18/06/2019
Pre Cleaned:
Flushed through to enable survey

Weather:
3 - Light Rain
Customer Present:

Service Grade/Structural Grade:
0/0
Base Unit:
DDFRT6A12S
Section Number:
35

Road:
BBC
Place:
CAVERSHAM PARK
Location:
PEPPARD ROAD

Purpose:
Duty:
Foul
Catchment:

Shape/Size:
150mm
Material:
Cast iron
Category:

Start MH:
FWMH7
End MH:
FWMH9
Total length:
42.9 metres

Scale: 1:20
Direction: Downstream

Position | Code | Description | Photo | Type/Grade |
---|---|---|---|---|
0.00 | MH | Start node type, manhole, reference FWMH7 | 3398118 | Comment / 0 |
0.00 | WL | Water level 5% height/diameter | 3398119 | Comment / 0 |
42.90 | M/H | Finish node type, manhole, reference FWMH9 | 3398175 | Comment / 0 |
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH8 X  
**Date:** 18/06/2019  
**Pre Cleaned Flushed Through to enable survey:** Yes

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>36</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Road</th>
<th>Place</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBC</td>
<td>CAVERSHAM PARK</td>
<td>PEPPARD ROAD</td>
</tr>
</tbody>
</table>

## Purpose
- **Duty:** Foul  
- **Catchment:** Shape/Size: 100mm  
- **Material:** Liner  
- **Category:**

<table>
<thead>
<tr>
<th>Start MH (Ref: FWMH8)</th>
<th>End MH (Ref: FWMH7)</th>
<th>Total Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start MH</td>
<td>End MH</td>
<td>6.23 metres</td>
</tr>
</tbody>
</table>

**Scale:** 1:0.31  
**Direction:** Downstream

### M/H Reference Points
- **M/H Ref: FWMH8 | I/L: metres | M/H Depth: 1400 metres**
  - **Position Code Description**
    - **0.00 MH:** Start node type, manhole, reference FWMH8
    - **0.00 WL:** Water level 5% height/diameter

- **M/H Ref: FWMH7 | I/L: metres | M/H Depth: 1580 metres**
  - **Position Code Description**
    - **6.23 MHF:** Finish node type, manhole, reference FWMH7

**Photo:** 3398326, Comment / 0  
**Photo:** 3398328, Comment / 0  
**Photo:** 3398359, Comment / 0
### CCTV Inspection Report

<table>
<thead>
<tr>
<th>Surveyed by (Operator)</th>
<th>Job Number</th>
<th>Pipe Length Reference (PLR)</th>
<th>Date</th>
<th>Pre Cleaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAUL BAYNHAM</td>
<td>780878</td>
<td>FWMH20 X</td>
<td>18/06/2019</td>
<td>Flushed through to enable survey</td>
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</tbody>
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<table>
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<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>37</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Job Number</th>
<th>PLR</th>
<th>Date</th>
<th>Pre Cleaned</th>
</tr>
</thead>
<tbody>
<tr>
<td>780878</td>
<td>FWMH20 X</td>
<td>18/06/2019</td>
<td>Flushed through to enable survey</td>
</tr>
</tbody>
</table>

**Survey Details**

- **Road**: BBC
- **Place**: CAVERSHAM PARK
- **Location**: PEPPARD ROAD

**Surveys**

- **Distance**:
  - **Start MH**: FWMH8
  - **End MH**: FWMH20
  - **Total length**: 25.31 metres

**Purpose**

- **Duty**: Foul
- **Catchment**: Shape/Size: 100mm, Material: Liner, Category: 0/0
- **Start MH**: FWMH8
- **End MH**: FWMH20

**Weather**

- 3 - Light Rain

**Customer Present**

- Service Grade/Structural Grade: 0/0

**Base Unit**

- **Start MH**: FWMH8
- **End MH**: FWMH20

**Location Details**

- **Road**: BBC
- **Place**: CAVERSHAM PARK
- **Location**: PEPPARD ROAD

**Scale**: 1:1.31

**Direction**: Upstream

**Position Code Description**

```
<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference FWMH8</td>
<td>3398362</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3398365</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>25.31</td>
<td>M/H</td>
<td>Finish node type, manhole, reference FWMH20</td>
<td>3398376</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>
```

**Location Details**

- **Purpose**: Duty Foul
- **Catchment**: Shape/Size: 100mm, Material: Liner, Category: 0/0
- **Start MH**: FWMH8
- **End MH**: FWMH20

**Scale**: 1:1.31

**Direction**: Upstream

**Position Code Description**

```
<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>MH</td>
<td>Start node type, manhole, reference FWMH8</td>
<td>3398362</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00</td>
<td>WL</td>
<td>Water level 5% height/diameter</td>
<td>3398365</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>25.31</td>
<td>M/H</td>
<td>Finish node type, manhole, reference FWMH20</td>
<td>3398376</td>
<td>Comment / 0</td>
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</tbody>
</table>
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**CCTV Inspection Report**

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH19 X  
**Date:** 18/06/2019  
**Pre Cleaned:** Not Cleaned  
**Weather:** 3 - Light Rain  
**Customer Present:** Not Present  
**Service Grade/Structural Grade:** 0/0  
**Pipe Length Reference:** DDFRT6A12S  
**Section Number:** 38

- **Road:** BBC  
- **Place:** CAVERSHAM PARK  
- **Location:** PEPPARD ROAD  
- **Weather:** 3 - Light Rain  
- **Customer Present:** Not Present  
- **Service Grade/Structural Grade:** 0/0  
- **Pipe Length Reference:** DDFRT6A12S  
- **Section Number:** 38

**Purpose:** Foul  
**Shape/Size:** 100mm  
**Material:** Vitrified clay  
**Category:**

**Start MH:** FWMH16  
**End MH:** FWMH19  
**Total length:** 9.16 metres

**Scale:** 1:0.47  
**Direction:** Upstream

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH16</td>
<td>3399678</td>
<td>Comment / 0</td>
<td></td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3399679</td>
<td>Comment / 0</td>
<td></td>
</tr>
</tbody>
</table>

**M/H Ref:** FWMH16  
**I/L : metres:** 0  
**M/H Depth: 860 metres**

**M/H Ref:** FWMH19  
**I/L : metres:** 0  
**M/H Depth: 0 metres**

---

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Location Details:**

**Scale:** 1:0.47  
**Direction:** Upstream

- **M/H Ref:** FWMH16  
  - **I/L : metres:** 0  
  - **M/H Depth:** 860 metres

- **M/H Ref:** FWMH19  
  - **I/L : metres:** 0  
  - **M/H Depth:** 0 metres
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM
Job Number 780878
Pipe Length Reference (PLR) FWMH16 X
Date 18/06/2019
Pre Cleaned Not Cleaned

Weather 3 - Light Rain
Customer Present Service Grade/Structural Grade 0/0
State Unit DDFRT6A12S
Section Number 39

Road BBC Place CAVERSHAM PARK Location PEPPARD ROAD

Purpose Duty Foul Catchment
Shape/Size 100mm Material Vitrified clay
Category
Start MH FWMH16 End MH FWMH23
Total length 25.72 metres

Scale 1:1.31 Direction Downstream

<table>
<thead>
<tr>
<th>M/H Ref: FWMH16</th>
<th>I/L (metres)</th>
<th>M/H Depth: 860 metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position Code</td>
<td>Description</td>
<td>Photo</td>
</tr>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH16</td>
<td>3399682</td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3399683</td>
</tr>
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</table>

M/H Ref: FWMH23 | I/L (metres) | M/H Depth: 0 metres

<table>
<thead>
<tr>
<th>Position Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.79 REM</td>
<td>JOINS ANOTHER PIPE</td>
<td>3399684</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>15.48 REM</td>
<td>JOINS ANOTHER PIPE</td>
<td>3399685</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>25.72 M/HF</td>
<td>Finish node type, manhole, reference FWMH23</td>
<td>3399686</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>Job Number</td>
<td>Surveyed by (Operator)</td>
<td>Base Unit</td>
<td>Date</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------</td>
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</tr>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>18/06/2019</td>
</tr>
</tbody>
</table>

CCTV Inspection Photos

JOINS ANOTHER PIPE

From: FWM116 / To: FWM210
Size: 100

8.07 M

JOINS ANOTHER PIPE

From: FWM116 / To: FWM210
Size: 100

15.48 M
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM
Job Number 780878
Pipe Length Reference (PLR) FWMH17 X
Date 18/06/2019
Pre Cleaned Not Cleaned
Weather 3 - Light Rain
Customer Present
Service Grade / Structural Grade 3 / 0
State Unit DDFRT6A12S
Section Number 40

Road BBC
Place CAVERSHAM PARK
Location PEPPARD ROAD

Weather 3 - Light Rain
Customer Present
Service Grade / Structural Grade 3 / 0
State Unit DDFRT6A12S
Section Number 40

Purpose Foul
Duty Catchment
Shape / Size 100mm
Material Vitrified clay
Category

Start MH FWMH16
End MH FWMH17
Total length 14.52 metres

M/H Ref: FWMH16 | I/L: metres | M/H Depth: 860 metres
M/H Ref: FWMH17 | I/L: metres | M/H Depth: 610 metres

Position Code Description Photo Type / Grade
0.00 MH Start node type, manhole, reference FWMH16 3399688 Comment / 0
0.00 WL Water level 5% height / diameter 3399690 Comment / 0

14.52 RM Roots mass 10% cross-sectional area loss 3399691 Service / 3
14.52 MHF Finish node type, manhole, reference FWMH17 3399692 Comment / 0

Scale 1:0.73
Direction Upstream
<table>
<thead>
<tr>
<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>18/06/2019</td>
</tr>
</tbody>
</table>

Roots mass 10% cross-sectional area loss

![Image of CCTV inspection with roots mass 10% cross-sectional area loss]
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH18 X  
**Date:** 18/06/2019  
**Pre Cleaned:** Flushed through to enable survey

- **Weather:** 3 - Light Rain  
- **Customer Present:**  
- **Service Grade/Structural Grade:** 0/0  
- **Base Unit:** DDFRT6A12S  
- **Section Number:** 41

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Division:**  
**Duty:**  
**Catchment:**  
**Customer Present:**  
**Service Grade/Structural Grade:** 0/0  
**Base Unit:** DDFRT6A12S  
**Section Number:** 41

**Pipe Details:**  
- **M/H Ref:** FWMH18  
- **I/L:** metres  
- **M/H Depth:** 450 metres  
- **Start MH:** FWMH18  
- **End MH:** FWMH17  
- **Total length:** 11.75 metres  
- **Scale:** 1:0.58  
- **Direction:** Downstream

**Location Details:**  
- **Scale:** 1:0.58  
- **Direction:** Downstream

**Position** | **Code** | **Description** | **Photo** | **Type/Grade**
--- | --- | --- | --- | ---
0.00 | MH | Start node type, manhole, reference FWMH18 | 3399695 | Comment / 0
0.00 | WL | Water level 5% height/diameter | 3399696 | Comment / 0
3.23 | REM | HIDDEN MANHOLE | 3399698 | Comment / 0
11.75 | MHF | Finish node type, manhole, reference FWMH17 | 3401454 | Comment / 0

M/H Ref: FWMH17 | I/L: metres | M/H Depth: 610 metres
<table>
<thead>
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<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>18/06/2019</td>
</tr>
</tbody>
</table>

**CCTV Inspection Photos**

*HIDDEN MANHOLE*
### CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH23 X  
**Date:** 20/06/2019  
**Pre Cleaned Flushed through to enable survey**

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
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<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
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<td>42</td>
</tr>
</tbody>
</table>

**Pre Cleaned Flushed through to enable survey**

**Weather:** 3 - Light Rain  
**Customer Present:**

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

**Purpose:**  
**Duty:** Foul  
**Catchment:**

**Scale:** 1:0.21  
**Direction:** Upstream

**Shape/Size:** 100mm  
**Material:** Vitrified clay  
**Category:**

**Start MH:** FWMH20  
**End MH:** FWMH23  
**Total length:** 4.51 metres

<table>
<thead>
<tr>
<th>Position</th>
<th>Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td></td>
<td>Start node type, manhole, reference FWMH20</td>
<td>3404870</td>
<td>Comment / 0</td>
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<tr>
<td>0.00 WL</td>
<td></td>
<td>Water level 5% height/diameter</td>
<td>3404871</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>4.51 REM</td>
<td></td>
<td>UNABLE TO GET CAMERA THROUGH LINER WITH SKID ON</td>
<td>3404873</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>4.51 MCZ</td>
<td></td>
<td>Material of drain/sewer changes to LINER at this point</td>
<td>3404879</td>
<td>Comment / 0</td>
</tr>
</tbody>
</table>

**M/H Ref:FWMH20 | I/L : metres | M/H Depth: 1170 metres**
<table>
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<th>Base Unit</th>
<th>Date</th>
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<tbody>
<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>20/06/2019</td>
</tr>
</tbody>
</table>

UNABLE TO GET CAMERA THROUGH LINER WITH SKID ON
CCTV Inspection Report

Surveyed by (Operator) PAUL BAYNHAM
Job Number 780878
Pipe Length Reference (PLR) FWMH23 X
Date 20/06/2019
Pre Cleaned Flushed through to enable survey

Weather 3 - Light Rain 
Customer Present
Service Grade/Structural Grade 0/0
Base Unit DDFRT6A12S
Section Number 43

Pipe Length Reference: FWMH23 X
Date: 20/06/2019
Pre Cleaned: Flushed through to enable survey

<table>
<thead>
<tr>
<th>Weather</th>
<th>Customer Present</th>
<th>Service Grade/Structural Grade</th>
<th>Base Unit</th>
<th>Section Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Light Rain</td>
<td></td>
<td>0/0</td>
<td>DDFRT6A12S</td>
<td>43</td>
</tr>
</tbody>
</table>

**Location Details**

- **Road**: BBC
- **Place**: CAVERSHAM PARK
- **Location**: PEPPARD ROAD
- **Shape/Size**: 100mm
- **Material**: Vitrified clay
- **Category**: Start MH FWMH20
- **End MH**: FWMH23
- **Total length**: 31.98 metres

**Scale**: 1:1.63
**Direction**: Upstream

**M/H Ref:** FWMH20 | **I/L : metres** | **M/H Depth:** 1170 metres

<table>
<thead>
<tr>
<th>Position Code</th>
<th>Description</th>
<th>Photo</th>
<th>Type/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00 MH</td>
<td>Start node type, manhole, reference FWMH20</td>
<td>3404889</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00 WL</td>
<td>Water level 5% height/diameter</td>
<td>3404890</td>
<td>Comment / 0</td>
</tr>
<tr>
<td>0.00 REM</td>
<td>WITHOUT CAMERA SKID</td>
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<tr>
<td>31.98 MHF</td>
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**M/H Ref:** FWMH23 | **I/L : metres** | **M/H Depth:** 0 metres

---

71
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<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<tr>
<td>780878</td>
<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
<td>20/06/2019</td>
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Without Camera Skid
### CCTV Inspection Report

**Surveyed by:** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH9 X  
**Date:** 20/06/2019  
**Pre Cleaned:** Not Cleaned

**Weather:** 3 - Light Rain  
**Customer Present:** Service Grade/Structural Grade 0/0  
**State Unit:** DDFRT6A12S  
**Section Number:** 44

**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD  
**Division:**  
**District:**  
**Location Details:**  

**Purpose:** Foul  
**Duty:** Catchment  
**Shape/Size:** 150mm  
**Material:** Cast iron  
**Shape/Category:**  

**Start MH:** FWMH25  
**End MH:** FWMH9  
**Total length:** 48 metres

**Scale:** 1:2.52  
**Direction:** Upstream

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M/H Ref:FWMH9 | I/L : metres | M/H Depth: 0 metres
### CCTV Inspection Report

**Surveyed by (Operator)**
PAUL BÄYNHAM

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH25 X

**Date**
20/06/2019

**Customer Present**
3 - Light Rain

**Weather**
Customer Present

**Service Grade/Structural Grade**
0/0

**State Unit**
DDFR7A12S

**Section Number**
45

**Pre Cleaned**
Not Cleaned

**Job Number**
780878

**Pipe Length Reference (PLR)**
FWMH25 X

**Date**
20/06/2019

**Customer Present**
3 - Light Rain

**Weather**
Customer Present

**Service Grade/Structural Grade**
0/0

**State Unit**
DDFR7A12S

**Section Number**
45

**Pre Cleaned**
Not Cleaned

---

**Road**
BBC

**Place**
CAVERSHAM PARK

**Location**
PEPPARD ROAD

**Weather**
3 - Light Rain

**Customer Present**
Not Cleaned

**Service Grade/Structural Grade**
0/0

**State Unit**
DDFR7A12S

**Section Number**
45

**Pre Cleaned**
Not Cleaned

**Purpose**
Duty

**Duty**
Foul

**Catchment**
Material

**Shape/Size**
Cast iron

**Material**
150mm

**Category**
Cast iron

**Start MH**
FWMH25

**End MH**
FWMH26

**Total length**
81.08 metres

**Scale**
1:4.25

**Direction**
Downstream

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**Position Code Description**

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**Position Code Description**

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UNABLE TO PUSH ANY FURTHER AND LOCATE MANHOLE RAN OUT OF CABLE
CCTV Inspection Report

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<td>FWMH24 X</td>
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<th>Section Number</th>
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<th>Duty</th>
<th>Foul</th>
<th>Catchment</th>
<th>Shape/Size</th>
<th>Material</th>
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<td>100mm</td>
<td>Vitrified clay</td>
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<td>FWMH24</td>
<td>FWMH19</td>
<td>11.82 metres</td>
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## CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** SWMH6 X  
**Date:** 20/06/2019  
**Pre Cleaned:** Not Cleaned  
**Customer Present:**  
**Service Grade/Structural Grade:** 0/5  
**State Unit:** DDFRT6A12S  
**Section Number:** 47

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<td>CAVERSHAM PARK</td>
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<tr>
<td>Location</td>
<td>PEPPARD ROAD</td>
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</tbody>
</table>

### Purpose
- **Surface water**

### Catchment
- **Shape/Size:** 150mm  
- **Material:** Vitrified clay  
- **Category:**  
- **Start MH:** SWMH18  
- **End MH:** SWMH6  
- **Total length:** 8.57 metres

### Scale
- **1:0.42**

### Direction
- **Upstream**

### Position Code Description Photo Type/Grade

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<th>Type/Grade</th>
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| 8.57 XP   | Collapsed drain/sewer 100% | 3406763 | Structural / 5 |
| 8.57 SA   | Survey abandoned - Remark: ABANDONED SURVEY DUE TO COLLAPSED PIPE | 3406764 | Comment / 0 |

**M/H Ref:** SWMH18 | **I/L:** metres | **M/H Depth:** 2700 metres

**M/H Ref:** SWMH6 | **I/L:** metres | **M/H Depth:** 0 metres

---

77
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<th>Job Number</th>
<th>Surveyed by (Operator)</th>
<th>Base Unit</th>
<th>Date</th>
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<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
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</table>

**Collapsed drain/sewer 100%**

Survey abandoned - Remark: ABANDONED SURVEY DUE TO COLLAPSED PIPE
# CCTV Inspection Report

**Surveyed by (Operator):** PAUL BAYNHAM  
**Job Number:** 780878  
**Pipe Length Reference (PLR):** FWMH27 X  
**Date:** 21/06/2019  
**Pre Cleaned:** No  
**Not Cleaned**  

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**Road:** BBC  
**Place:** CAVERSHAM PARK  
**Location:** PEPPARD ROAD

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<tr>
<th>Purpose</th>
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<th>Foul</th>
<th>Catchment</th>
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<table>
<thead>
<tr>
<th>Shape/Size</th>
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<tr>
<td>100mm</td>
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<tr>
<td>FWMH27</td>
<td>TANK</td>
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Scale: 1:0.84  
Direction: Downstream

### Location Details

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## Report Summary

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<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
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### Job Information
- Total Distance Surveyed: 966.1 metres
- Engineer: PAUL BAYNHAM
- Number of Surveys: 48
- Number of Surveys grade 4 or above: 2

### Section 1 Overview (13/06/2019)
- Manholes: SWMH2 to SWMH1
- Pipe Length: 14.1 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 150mm
- Use: Surface water

### Section 2 Overview (13/06/2019)
- Manholes: SWMH2 to SWMH3
- Pipe Length: 19.67 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 150mm
- Use: Surface water

### Section 3 Overview (13/06/2019)
- Manholes: SWMH4 to SWMH3
- Pipe Length: 40.05 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 225mm
- Use: Surface water

### Section 4 Overview (13/06/2019)
- Manholes: SWMH4 to SWMH5
- Pipe Length: 23.11 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 225mm
- Use: Surface water

### Section 5 Overview (13/06/2019)
- Manholes: SWMH5 to SWMH18
- Pipe Length: 25.89 metres
- Structural Grade: 0
- Service Grade: 5
- Material: Vitrified clay
- Pipe Size: 225mm
- Use: Surface water
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| **Section 6** | Manholes: FWMH2 to FWMH1  
Pipe Length: 22.02 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 100mm  
Use: Foul |
| **Section 7** | Manholes: FWMH1 to PUMP STATION  
Pipe Length: 36.16 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 100mm  
Use: Foul |
| **Section 8** | Manholes: FWMH3 to FWMH4  
Pipe Length: 22.02 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 150mm  
Use: Foul |
| **Section 9** | Manholes: FWMH3 to FWMH2  
Pipe Length: 6.21 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 150mm  
Use: Foul |
| **Section 10** | Manholes: FWMH5 to FWMH4  
Pipe Length: 30.38 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 150mm  
Use: Foul |
| **Section 11** | Manholes: FWMH5 to FWMH6  
Pipe Length: 14.34 metres  
Structural Grade: 0  
Service Grade: 0  
Material: Cast iron  
Pipe Size: 150mm  
Use: Foul |
### Section 12 Overview (14/06/2019)
- Manholes: FWMH1B to PUMP STATION
- Pipe Length: 1.67 metres
- Structural Grade: 3
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 150mm
- Use: Foul

### Section 13 Overview (14/06/2019)
- Manholes: FWMH1A to PUMP STATION
- Pipe Length: 16.49 metres
- Structural Grade: 2
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 150mm
- Use: Foul

### Section 14 Overview (14/06/2019)
- Manholes: FWMH10 to FWMH11
- Pipe Length: 10.04 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 100mm
- Use: Foul

### Section 15 Overview (14/06/2019)
- Manholes: FWMH11 to FWMH12
- Pipe Length: 7.07 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 100mm
- Use: Foul

### Section 16 Overview (14/06/2019)
- Manholes: FWMH10 to FWMH9
- Pipe Length: 10.73 metres
- Structural Grade: 3
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 100mm
- Use: Foul

### Section 17 Overview (14/06/2019)
- Manholes: FWMH12 to FWMH13
- Pipe Length: 6.36 metres
- Structural Grade: 0
- Service Grade: 0
- Material: Vitrified clay
- Pipe Size: 100mm
- Use: Foul
### Section 18 Overview (17/06/2019)
- **Manholes:** SWMH10 to SWMH9
- **Pipe Length:** 11.36 metres
- **Structural Grade:** 4
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 150mm
- **Use:** Surface water

### Section 19 Overview (17/06/2019)
- **Manholes:** SWMH10 to SWMH11
- **Pipe Length:** 26.41 metres
- **Structural Grade:** 0
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 150mm
- **Use:** Surface water

### Section 20 Overview (17/06/2019)
- **Manholes:** SWMH12 to SWMH11
- **Pipe Length:** 9.44 metres
- **Structural Grade:** 0
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 150mm
- **Use:** Surface water

### Section 21 Overview (17/06/2019)
- **Manholes:** SWMH12 to RWP
- **Pipe Length:** 1.87 metres
- **Structural Grade:** 0
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 150mm
- **Use:** Surface water

### Section 22 Overview (17/06/2019)
- **Manholes:** SWMH14 to SWMH15
- **Pipe Length:** 20.52 metres
- **Structural Grade:** 0
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 225mm
- **Use:** Surface water

### Section 23 Overview (17/06/2019)
- **Manholes:** SWMH14 to SWMH16
- **Pipe Length:** 32.75 metres
- **Structural Grade:** 0
- **Service Grade:** 0
- **Material:** Vitrified clay
- **Pipe Size:** 225mm
- **Use:** Surface water
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<th>Pipe Length:</th>
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Section 30 Overview (18/06/2019)
Manholes: SWMH7 to SWMH8
Pipe Length: 8.95 metres
Structural Grade: 0
Service Grade: 0
Material: Vitrified clay
Pipe Size: 300mm
Use: Surface water

Section 31 Overview (18/06/2019)
Manholes: SWMH8 to SWMH18
Pipe Length: 26.43 metres
Structural Grade: 0
Service Grade: 0
Material: Vitrified clay
Pipe Size: 300mm
Use: Surface water

Section 32 Overview (18/06/2019)
Manholes: SWMH18 to SWMH19
Pipe Length: 28.02 metres
Structural Grade: 0
Service Grade: 0
Material: Vitrified clay
Pipe Size: 300mm
Use: Surface water

Section 33 Overview (18/06/2019)
Manholes: SWMH19 to LAKE
Pipe Length: 49.11 metres
Structural Grade: 0
Service Grade: 0
Material: Vitrified clay
Pipe Size: 300mm
Use: Surface water

Section 34 Overview (18/06/2019)
Manholes: FWMH7 to FWMH6
Pipe Length: 7.13 metres
Structural Grade: 0
Service Grade: 0
Material: Cast iron
Pipe Size: 150mm
Use: Foul

Section 35 Overview (18/06/2019)
Manholes: FWMH7 to FWMH9
Pipe Length: 42.9 metres
Structural Grade: 0
Service Grade: 0
Material: Cast iron
Pipe Size: 150mm
Use: Foul
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**Report Summary**

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<td>PAUL BAYNHAM</td>
<td>DDFRT6A12S</td>
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**Section 48 Overview (21/06/2019)**

- Manholes: **FWMH27 to TANK**
- Pipe Length: **16 metres**
- Structural Grade: **0**
- Service Grade: **0**
- Material: **Polyvinyl chloride**
- Pipe Size: **100mm**
- Use: **Foul**