

## Drainage Investigation Report

### For Subsidence Management Services

**Policy Holder:** Mr M Campling

**Risk Address:** The Yews, Jarvis' Gate, Lincolnshire, Spalding, PE12 OEP

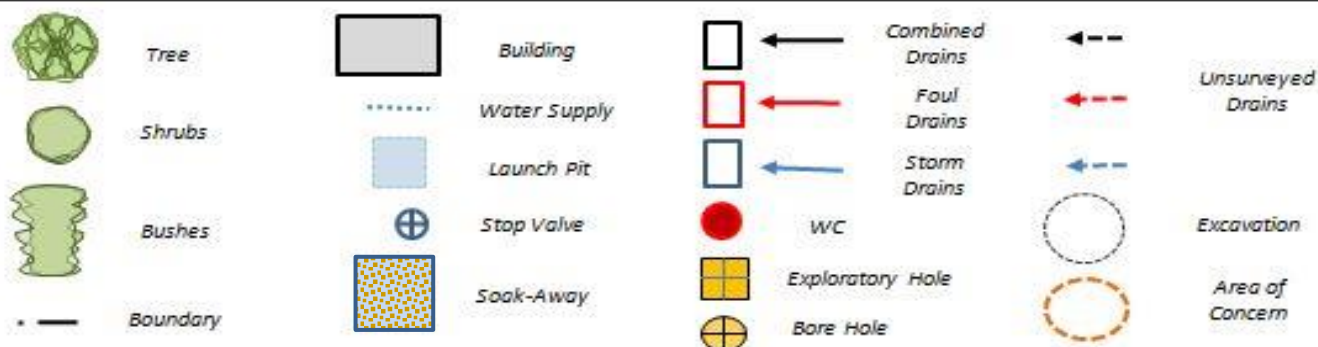
**Visit Date:** 25/07/2017

**Client Reference:** IFS-AVI-SUB-17-0068560

**Our Reference:** C34945D12402

**Report Date:** 17/08/2017 REV 1

**Report Content:** Front Page  
Site Plan  
CCTV Coding  
Drain Overview



The Yews, Jarvis' Gate, Lincolnshire, Spalding, PE12 0EP

|            |                   |                                     |                   |            |                 |            |
|------------|-------------------|-------------------------------------|-------------------|------------|-----------------|------------|
| RUN<br>A   | Start From :      | FMH 1                               | Finish at :       | FMH 3      | Pipe Ø:         | 100mm      |
|            | Invert Level (m): | 0.25                                | Invert Level (m): | N/A        | Material:       | Plastic    |
| FOUL       | Condition grade:  | A                                   | Direction:        | Upstream   | Responsibility: | Home Owner |
| Distance   | Code              | Remarks                             |                   |            |                 |            |
| 0.00       | SN                | Start Node from FMH1                |                   |            |                 |            |
| 0.00       | WL                | Water Level 0%                      |                   |            |                 |            |
| 2.80       | FN                | Finish Node: FMH 3                  |                   |            |                 |            |
| RUN<br>B   | Start From :      | FMH 1                               | Finish at :       | FMH 4      | Pipe Ø:         | 100mm      |
|            | Invert Level (m): | 0.25                                | Invert Level (m): | N/A        | Material:       | Plastic    |
| FOUL       | Condition grade:  | A                                   | Direction:        | Upstream   | Responsibility: | Home Owner |
| Distance   | Code              | Remarks                             |                   |            |                 |            |
| 0.00       | SN                | Start Node from FMH1                |                   |            |                 |            |
| 0.00       | WL                | Water Level 0%                      |                   |            |                 |            |
| 5.00       | FN                | Finish Node: FMH 4                  |                   |            |                 |            |
| RUN<br>C   | Start From :      | FWG 1                               | Finish at :       | Junction   | Pipe Ø:         | 100mm      |
|            | Invert Level (m): | N/A                                 | Invert Level (m): | N/A        | Material:       | Plastic    |
| FOUL       | Condition grade:  | A                                   | Direction:        | Downstream | Responsibility: | Home Owner |
| Distance   | Code              | Remarks                             |                   |            |                 |            |
| 0.00       | SN                | Start Node from FWG 1               |                   |            |                 |            |
| 0.00       | WL                | Water Level 0%                      |                   |            |                 |            |
| 0.50       | FN                | Finish Node: Junction               |                   |            |                 |            |
| RUN<br>D   | Start From :      | FMH 4                               | Finish at :       | SVP 1      | Pipe Ø:         | 100mm      |
|            | Invert Level (m): | 0.5                                 | Invert Level (m): | N/A        | Material:       | Plastic    |
| FOUL       | Condition grade:  | A                                   | Direction:        | Upstream   | Responsibility: | Home Owner |
| Distance   | Code              | Remarks                             |                   |            |                 |            |
| 0.00       | SN                | Start Node from FMH 4               |                   |            |                 |            |
| 0.00       | WL                | Water Level 0%                      |                   |            |                 |            |
| 1.00       | FN                | Finish Node: SVP 1                  |                   |            |                 |            |
| RUN<br>E   | Start From :      | RWG 1                               | Finish at :       | Soak Away  | Pipe Ø:         | 100mm      |
|            | Invert Level (m): | N/A                                 | Invert Level (m): | N/A        | Material:       | Plastic    |
| STORM      | Condition grade:  | A                                   | Direction:        | Downstream | Responsibility: | Home Owner |
| Distance   | Code              | Remarks                             |                   |            |                 |            |
| 0.00       | SN                | Start Node from RWG 1               |                   |            |                 |            |
| 0.00       | WL                | Water Level 0%                      |                   |            |                 |            |
| 0.87       | JN                | Junction at 9 o'clock to RWP 1      |                   |            |                 |            |
| 2.07       | CN                | Connection at 12 o'clock to unknown |                   |            |                 |            |
| 3.0 - 4.9  | DES               | Settled Deposits (fine) 20%         |                   |            |                 |            |
| 7.0 - 10.0 | DES               | Settled Deposits (fine) 20%         |                   |            |                 |            |
| 12.57      | FN                | Finish Node: Soak Away              |                   |            |                 |            |
|            |                   |                                     |                   |            |                 |            |
|            |                   |                                     |                   |            |                 |            |
|            |                   |                                     |                   |            |                 |            |
|            |                   |                                     |                   |            |                 |            |
|            |                   |                                     |                   |            |                 |            |

Address:

The Yews, Jarvis' Gate, Lincolnshire, Spalding, PE12 0EP

Following the receipt of your instruction, we attended site to carry out a CCTV survey.

The CCTV survey was undertaken in general accordance with the Manual of Sewer Classification and the WRc Drain Repair Book.

All runs were cleaned by high pressure water jetting prior to the CCTV survey.

The following presents a summary of the findings with recommendations to repair and/ or return the drains to a serviceable state, where necessary.

**Drain Run A: FMH 1 Upstream to FMH 3**

**Pipe Diameter:** 100mm

**Responsibility:** Home Owner

**Hydraulic Pressure Test:** PASS

**CCTV Survey Result:** No Structural Damage

**Recommended Repair:** No repairs have been recommended as the drain line was found to be free from defects.

**Drain Run B: FMH 1 Downstream to FMH 4**

**Pipe Diameter:** 100mm

**Responsibility:** Home Owner

**Hydraulic Pressure Test:** PASS

**CCTV Survey Result:** No Structural Damage

**Recommended Repair:** No repairs have been recommended as the drain line was found to be free from defects.

**Drain Run C: FWG 1 Downstream to Junction**

**Pipe Diameter:** 100mm

**Responsibility:** Home Owner

**Hydraulic Pressure Test:** PASS

**CCTV Survey Result:** No Structural Damage

**Recommended Repair:** No repairs have been recommended as the drain line was found to be free from defects.

**Drain Run D: FMH 4 Upstream to SVP 1**

**Pipe Diameter:** 100mm

**Responsibility:** Home Owner

**Hydraulic Pressure Test:** PASS

**CCTV Survey Result:** No Structural Damage

**Recommended Repair:** No repairs have been recommended as the drain line was found to be free from defects.

A visual inspection of the manholes revealed them to be in a good condition.

| Water Main Test | Result | Acoustic Test                                                 |
|-----------------|--------|---------------------------------------------------------------|
|                 | PASS   | No noise could be heard which indicates that there is no leak |

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**Drain Run E: RWG 1 Downstream to Soak Away****Pipe Diameter:** 100mm**Responsibility:** Home Owner**Hydraulic Pressure Test:** Not tested**CCTV Survey Result:** No Structural Damage**Recommended Repair:** No repairs have been recommended as the drain line was found to be free from defects.