

# Drainage Report

Prepared For

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Site

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**BLOCK AID LIMITED**

**admin@blockaidltd.co.uk**  
**01612733133**

Total Observation Grades for Project



Total DRB Grades for Project



## - CCTV Survey Report : 09/04/19

Name : BLOCK AID LIMITED  
 Contact : Theresa Cox  
 Location : Longsight  
 Town : Manchester  
 Region : Lancs  
 Postcode : M124HW  
 Email : admin@blockaidltd.co.uk  
 Contact Number : 01612733133  
 Surveyor :  
 Valid Certification No :

### Client Information

Name :   
 Contact :   
 Location :   
 Town :   
 Region :   
 Postcode :   
 Tel : 0161 431 1190 Estate Agent  
 Mobile :   
 Email :   
 Fax : N/A

### Site Information

Name :   
 Contact :   
 Location :   
 Town :   
 Region :   
 Postcode :   
 Tel : 0161 431 1190 Estate Agent  
 Mobile :   
 Email :   
 Fax : N/A

Total Observation Grades for Project



Total DRB Grades for Project



## Report Interpretation

### Overview

Each section of the drainage system is allocated a score indicating areas that require attention. These areas are detailed in the overview section. We use colour coding as an additional indicator of severity. Additional information concerning rehabilitation is also included in this area. This can be used as an 'at a glance' indication of condition.

**Grade A:** Drain is serviceable, no recommendations required.

**Grade B:** There is an issue that might require remedial works.

**Grade C:** There is a defect that requires remedial works. The drain is not serviceable.

### Observations

Each section of drainage reported on (manhole to manhole for example) contains header information about that drain. Any observations made concerning condition are then detailed below the header section.

The observations are colour coded and given a graded score. More significant defects are given a higher score, using a scale from 1 to 5.

**Grade 1-2:** These defects may require remedial repair or monitoring.

**Grade 3-4:** These defects probably require some form of remedial works.

**Grade 5:** Defects that will require remedial repair or replacement.

Images of individual defects are attached to each section.

The information provided is relevant to the time of survey. The coding system used for this report is based on the MSCC5 domestic codes (BS 13508, the standard for the drainage industry). The grading system is based on the Drainage Repair Book recommendations provided by the Wrc. The total number of graded defects for the project are detailed at the bottom of each page.

Total Observation Grades for Project



Total DRB Grades for Project



## Overview

|   |   |   |
|---|---|---|
| <b>Section: 1</b><br><br>From: MH1<br>To: MHF | Grade A   | DRB Grade: <b>A</b><br>Pipe Size: 100<br>Material: Polypropylene<br>Use: Combined |
| <b>Section: 2</b><br><br>From: MH<br>To: OCF  | Buried manhole under decking with debris in, no access from this buried manhole back fall on pipework. this would need to be corrected. | DRB Grade: <b>C</b><br>Pipe Size: 100<br>Material: Polypropylene<br>Use: Combined |
| <b>Section: 3</b><br><br>From: MH1<br>To: 6.1 | Grade B   | DRB Grade: <b>B</b><br>Pipe Size: 100<br>Material: Polypropylene<br>Use: Combined |

Total Observation Grades for Project



Total DRB Grades for Project



## Site: 5 St Hilda View , Audenshaw


## Section 1

|         |                         |                   |               |                 |            |
|---------|-------------------------|-------------------|---------------|-----------------|------------|
| Client: | Location (Street Name): | City/Town/Village | Cust Job Ref. | Surveyors Name: | Date:      |
|         |                         |                   |               | GRAHAM SLATE    | 09/04/2019 |

|                        |      |                         |      |            |    |             |     |
|------------------------|------|-------------------------|------|------------|----|-------------|-----|
| Start Node Ref:        | MH1  | Finish Node Ref:        | MHF  | Direction: | U  | Height/Dia: | 100 |
| Start Node Depth:      | 3.00 | Finish Node Depth:      | 3.00 | Use:       | C  | Shape:      | C   |
| Start Node Coordinate: |      | Finish Node Coordinate: |      | Material:  | PP | Cleaned     | N   |

| Drain Type | Lining Type | Lining Mat. | Year Const. | Weather | Flow Cont. | Length | Remarks |
|------------|-------------|-------------|-------------|---------|------------|--------|---------|
| A          |             |             |             | D       | N          | 6.6    |         |

| Position | Code | Description                              | CD | Pic  | Grade |
|----------|------|--|----|------|-------|
| 00.00m   | MH   | Start node type, manhole                 |    | 0_0  | 0     |
| 00.00m   | WL   | Water level 5%                           |    |      | 0     |
| 04.50m   | LLH  | Line of drain/sewer deviates left [half] |    | 0_2  | 0     |
| 05.00m   | WL   | Water level 10%                          |    | 0_3  | 0     |
| 06.60m   | MHF  | Finish node type, manhole                |    | 0_99 | 0     |




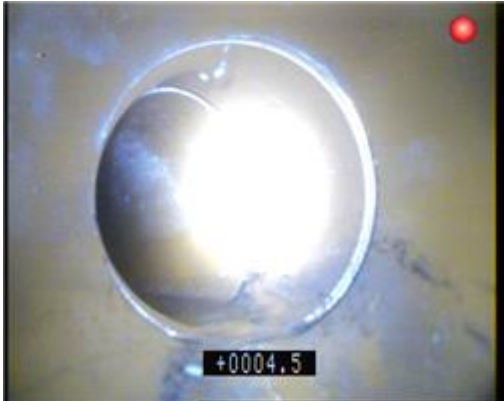

Total Graded Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

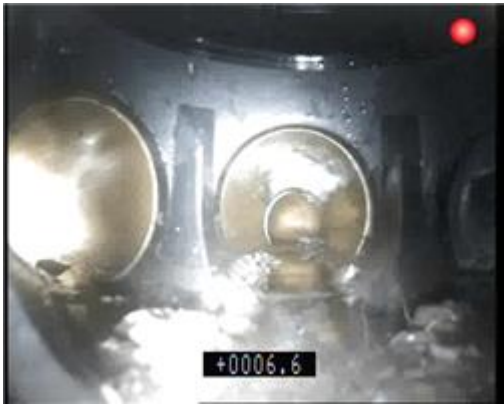
| Pos    | Code | Description  | Image   |
|--------|------|--|---|
| 00.00m | MH   | Start node type, manhole MH1   | Image Provided - Ref: 0_0<br>   |
| 00.00m | WL   | Water level: 5% Height/Diameter  |   |
| 04.50m | LLH  | Line of drain/sewer deviates left [half]<br>Line of Drain deviates to the left | Image Provided - Ref: 0_2<br>  |
| 05.00m | WL   | Water level: 10% Height/Diameter   | Image Provided - Ref: 0_3<br> |

Total Graded Defects for section



DRB Grade for Section



| Pos    | Code | Description   | Image  |
|--------|------|---|--|
| 06.60m | MHF  | Finish node type, manhole<br>MHF line of drain finishes at at burried man<br>hold (Back Fall) | <p>Image Provided - Ref: 0_9999</p>  |

Total Graded Defects for section



DRB Grade for Section



## Site: 5 St Hilda View , Audenshaw

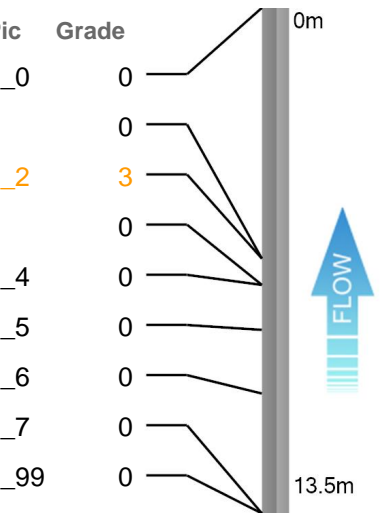
## Section 2

|            |                         |                   |               |                 |            |
|------------|-------------------------|-------------------|---------------|-----------------|------------|
| Client:    | Location (Street Name): | City/Town/Village | Cust Job Ref. | Surveyors Name: | Date:      |
| [REDACTED] | [REDACTED]              | [REDACTED]        |               | GRAHAM SLATE    | 09/04/2019 |

|                        |      |                         |      |            |    |             |     |
|------------------------|------|-------------------------|------|------------|----|-------------|-----|
| Start Node Ref:        | MH   | Finish Node Ref:        | OCF  | Direction: | U  | Height/Dia: | 100 |
| Start Node Depth:      | 3.00 | Finish Node Depth:      | 3.00 | Use:       | C  | Shape:      | C   |
| Start Node Coordinate: |      | Finish Node Coordinate: |      | Material:  | PP | Cleaned     | N   |

| Drain Type | Lining Type | Lining Mat. | Year Const. | Weather | Flow Cont. | Length | Remarks                                   |
|------------|-------------|-------------|-------------|---------|------------|--------|---|
| A          |             |             |             | D       | N          | 13.5   | This is from the buried manhole to the WC |

| Position | Code | Description                              | CD | Pic  | Grade |
|----------|------|--|----|------|-------|
| 00.00m   | MH   | Start node type, manhole                 |    | 1_0  | 0     |
| 06.70m   | WL   | Water level 5%                           |    |      | 0     |
| 06.70m   | DER  | Settled deposits coarse 5%               |    | 1_2  | 3     |
| 07.40m   | LLH  | Line of drain/sewer deviates left [half] |    |      | 0     |
| 07.40m   | WL   | Water level 20%                          |    | 1_4  | 0     |
| 08.60m   | CUW  | Loss of vision, camera under water       |    | 1_5  | 0     |
| 10.30m   | WL   | Water level 40%                          |    | 1_6  | 0     |
| 13.50m   | WL   | Water level 5%                           |    | 1_7  | 0     |
| 13.50m   | OCF  | Finish node type, other special chamber  |    | 1_99 | 0     |



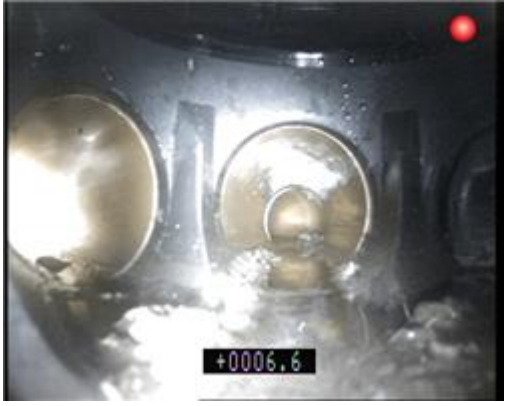
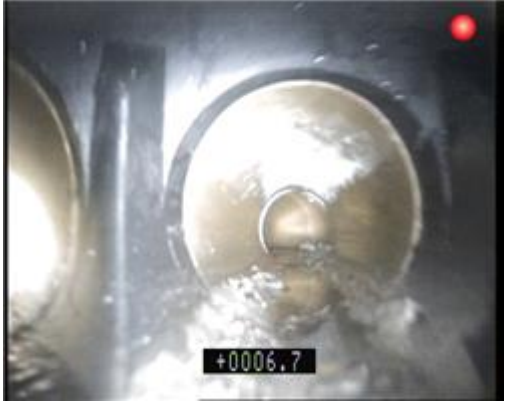

Total Graded Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 2

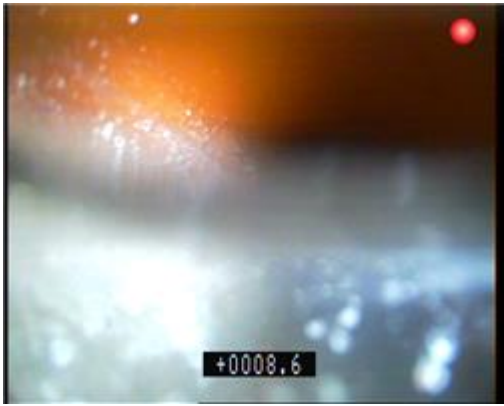
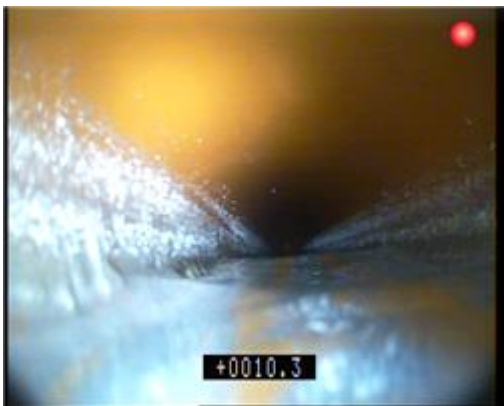

| Pos    | Code | Description   | Image   |
|--------|------|---|---|
| 00.00m | MH   | Start node type, manhole MH   | Image Provided - Ref: 1_0<br>   |
| 06.70m | WL   | Water level: 5% Height/Diameter   |   |
| 06.70m | DER  | Settled deposits coarse: 5% Cross sectional area loss - Grade 3 settled deposits    | Image Provided - Ref: 1_2<br>  |
| 07.40m | LLH  | Line of drain/sewer deviates left [half]<br>Line of drain then deviates to the left |   |
| 07.40m | WL   | Water level: 20% Height/Diameter<br>Increase in water level at this point           | Image Provided - Ref: 1_4<br> |

Total Graded Defects for section



DRB Grade for Section

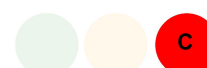



| Pos    | Code | Description   | Image   |
|--------|------|---|---|
| 08.60m | CUW  | Loss of vision, camera under water  | Image Provided - Ref: 1_5<br>   |
| 10.30m | WL   | Water level: 40% Height/Diameter  | Image Provided - Ref: 1_6<br>  |
| 13.50m | WL   | Water level: 5% Height/Diameter<br>water level decreases significantly here | Image Provided - Ref: 1_7<br> |

Total Graded Defects for section



DRB Grade for Section



| Pos    | Code | Description   | Image  |
|--------|------|---|--|
| 13.50m | OCF  | Finish node type, other special chamber<br>OCF - line finishes at the WC - this line shows a drop in pipework from the buried manhole which would need to be excavated, lifted and ground work made good. | <p>Image Provided - Ref: 1_9999</p>  |

Total Graded Defects for section



DRB Grade for Section



## Site: 5 St Hilda View , Audenshaw

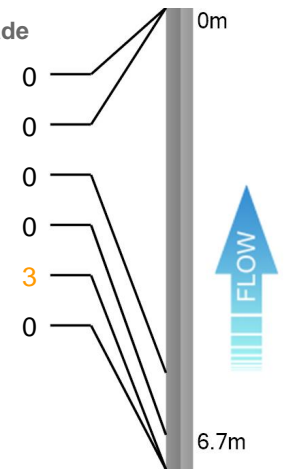
## Section 3

|         |                         |                   |               |                 |            |
|---------|-------------------------|-------------------|---------------|-----------------|------------|
| Client: | Location (Street Name): | City/Town/Village | Cust Job Ref. | Surveyors Name: | Date:      |
|         |                         |                   |               | GRAHAM SLATE    | 09/04/2019 |

|                        |      |                         |      |            |    |             |     |
|------------------------|------|-------------------------|------|------------|----|-------------|-----|
| Start Node Ref:        | MH1  | Finish Node Ref:        | 6.1  | Direction: | U  | Height/Dia: | 100 |
| Start Node Depth:      | 3.00 | Finish Node Depth:      | 3.00 | Use:       | C  | Shape:      | C   |
| Start Node Coordinate: |      | Finish Node Coordinate: |      | Material:  | PP | Cleaned     | N   |

| Drain Type | Lining Type | Lining Mat. | Year Const. | Weather | Flow Cont. | Length | Remarks                                   |
|------------|-------------|-------------|-------------|---------|------------|--------|---|
| A          |             |             |             | D       | N          | 6.7    | This is from the buried manhole to the WC |

| Position | Code | Description                               | CD | Pic | Grade |
|----------|------|---|----|-----|-------|
| 00.00m   | MH   | Start node type, manhole                  |    | 2_0 | 0     |
| 00.00m   | WL   | Water level 5%                            |    |     | 0     |
| 05.30m   | LLH  | Line of drain/sewer deviates left [half]  |    | 2_2 | 0     |
| 06.20m   | WL   | Water level 30%                           |    | 2_3 | 0     |
| 06.70m   | DEE  | Attached deposits, encrustation 04-07 30% |    | 2_4 | 3     |
| 06.70m   | MHF  | Finish node type, manhole                 |    |     | 0     |





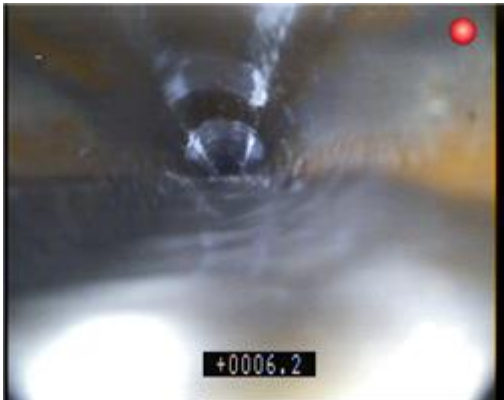
Total Graded Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3


| Pos    | Code | Description  | Image   |
|--------|------|--|---|
| 00.00m | MH   | Start node type, manhole MH1   | Image Provided - Ref: 2_0<br>   |
| 00.00m | WL   | Water level: 5% Height/Diameter<br>Manhole one surveyed to 6.1 meters - survey abandoned as camera would no go any further due to solid deposits |   |
| 05.30m | LLH  | Line of drain/sewer deviates left [half]<br>Line of drain deviates to the left at this point   | Image Provided - Ref: 2_2<br> |
| 06.20m | WL   | Water level: 30% Height/Diameter<br>water level increases here due to solid deposits   | Image Provided - Ref: 2_3<br> |

Total Graded Defects for section



DRB Grade for Section



| Pos    | Code | Description  | Image   |
|--------|------|--|---|
| 06.70m | DEE  | Attached deposits, encrustation from 04 o'clock to 07 o'clock: 30% Cross sectional area loss - Grade 3<br>attached deposits within drain preventing water from draining completely | Image Provided - Ref: 2_4<br> |
| 06.70m | MHF  | Finish node type, manhole<br>Survey abandoned at this point due to camera being unable to proceed any further.   |   |