

Site Vision Surveys

Warrender School

19 December 2016



## GRADE 3,4 & 5 Summary

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### STRUCTURAL DEFECTS

Structural defects			
Section	PLR	Grade	Fault description
6	BR 1 X	5	Deformed sewer/drain, 60%
13	BR 1 X	3	Fracture, circumferential, from 9 to 3 o'clock
20	MH007 X	5	Multiple defects at 24.3m

Grade 3; Best practice suggests consideration be given to repair in the medium term

Grade 4; Best practice suggests consideration be given to a repair to avoid potential collapse

Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to a repair to avoid collapse

### SERVICE / OPERATIONAL DEFECTS

Service defects			
Section	PLR	Grade	Fault description
2	BR 1 X	5	Multiple defects at 0.2m
3	BR 2 X	4	Multiple defects at 2.8m
8	MH003 X	4	Settled deposits, fine, 25% cross-sectional area loss
12	MH004 X	3	Settled deposits, fine, 20% cross-sectional area loss
13	BR 1 X	4	Multiple defects at 1.8m
18	BR 2 X	5	Multiple defects at 0.2m
33	BR 6 X	3	Settled deposits, fine, 20% cross-sectional area loss

Grade 3; Best practice suggests consideration be given to maintenance activities in the medium term

Grade 4; Best practice suggests consideration be given to maintenance activity to avoid potential blockage

Grade 5; Best practice suggests this pipe is at immediate risk of backing up / causing flooding

### Abandoned Surveys

Camera no access		
Section	PLR	Fault description
2	BR 1 X	Settled deposits, fine, 40% cross-sectional area loss
3	BR 2 X	Settled deposits, hard or compacted, 70% cross-sectional area loss
13	BR 1 X	Settled deposits, hard or compacted, 25% cross-sectional area loss
17	BR 1 X	Line deviates right
18	BR 2 X	Settled deposits, fine, 90% cross-sectional area loss
20	MH007 X	Deformed sewer/drain, 60%
36	MH008 X	Water level, 20% of the vertical dimension
37	MH008 X	Start node type, manhole, reference number : MH012
38	MH012 X	Water level, 0% of the vertical dimension
39	MH020 X	Start node type, manhole, reference number : MH010
41	RWP X	Start node type, manhole, reference number : MH014
47	BR1 X	Joint displaced, medium
48	BR2 X	Water level, 20% of the vertical dimension

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## Project-information

Project name :  
**Warrender School**

Project Number :

Contact :

Date :  
**08/12/2016**

Client:  
Contact Name:  
Department:  
Road:  
Town:  
County:  
Telephone:  
Fax:  
Mobile:  
E-mail:

Site: **Warrender School**  
Contact Name:  
Department:  
Road: **Warrender School**  
Town: **Ruislip**  
County: **Greater London**  
Telephone:  
Fax:  
Mobile:  
E-mail:

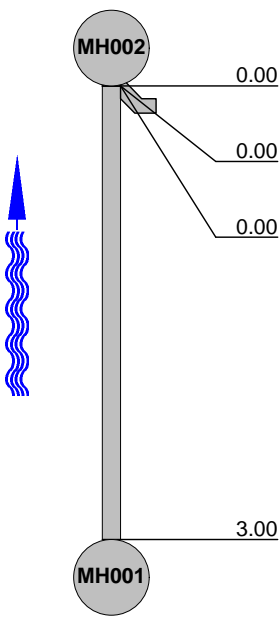
Contractor **Site Vision Surveys**  
Contact Name:  
Department:  
Road: **19 Warwick Street**  
Town: **Rugby, CV21 3DH**  
County: **Warwickshire**  
Telephone: **01788575036**  
Fax:  
Mobile:  
E-mail:

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>1</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH002 (U/S) MH001</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH001 0.3 MH002 0.3</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 3.00 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Unidentified type of plastics</b>		

Comment :

1:50 Depth: 0.3	Position	Observation	Photo						
	0.00	Start node type, manhole, reference number : MH002	1_1_1_A.JPG						
	0.00	Water level, 0% of the vertical dimension	1_1_3_A.JPG						
	0.00	Junction, at 9 o'clock, diameter 100mm	1_1_4_A.JPG						
	3.00	Finish node type, manhole reference number: MH001	1_1_5_A.JPG						
<p style="margin-top: 20px;"><b>Depth: 0.3</b></p>									
0	0	0	0	0	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**1**

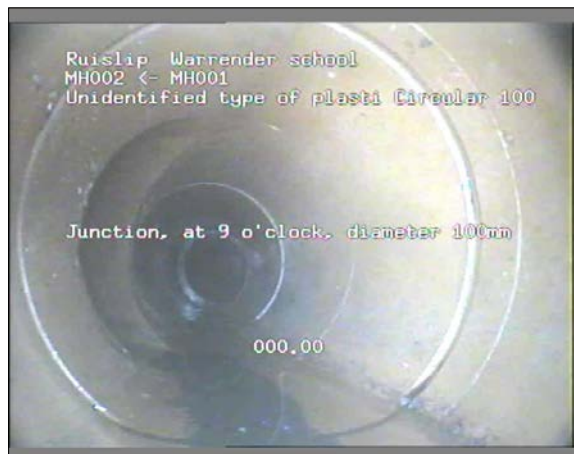
 PLR Suffix :  
**X**


Photo: 1\_1\_1\_A.JPG  
 0m, Start node type, manhole, reference number : MH002



Photo: 1\_1\_3\_A.JPG  
 0m, Water level, 0% of the vertical dimension

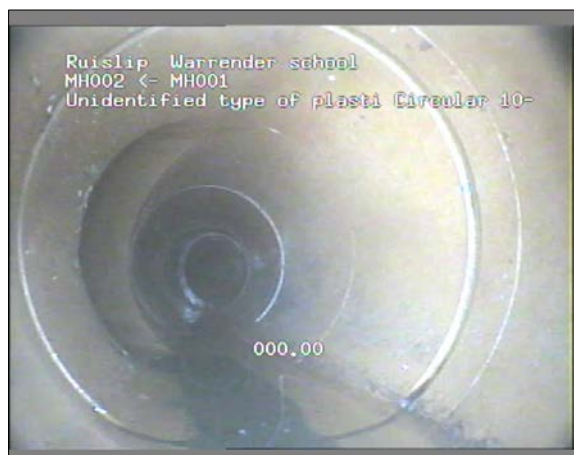


Photo: 1\_1\_4\_A.JPG  
 0m, Junction, at 9 o'clock, diameter 100mm

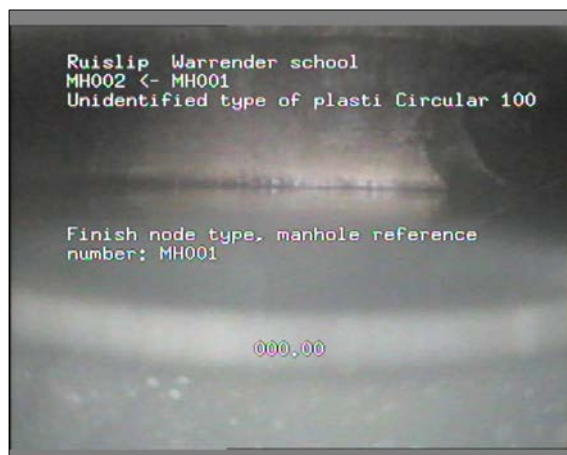


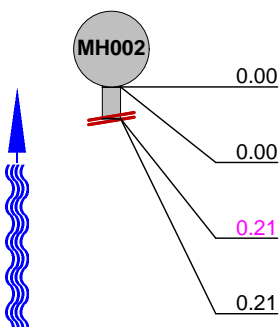
Photo: 1\_1\_5\_A.JPG  
 3m, Finish node type, manhole reference number: MH001

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>2</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH002 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1</b> <b></b> <b>MH002</b> <b>0.3</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>0.21 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Unidentified type of plastics</b> <b></b>		

Comment :

1:50 Depth: 0.3	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH002	3_3_6_A.JPG
	0.00	Water level, 0% of the vertical dimension	3_3_7_A.JPG
	0.21	Settled deposits, fine, 40% cross-sectional area loss	3_3_8_A.JPG
	0.21	Survey abandoned	3_3_9_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	5	23.81	5	5



## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>2</b>	PLR Suffix : <b>X</b>
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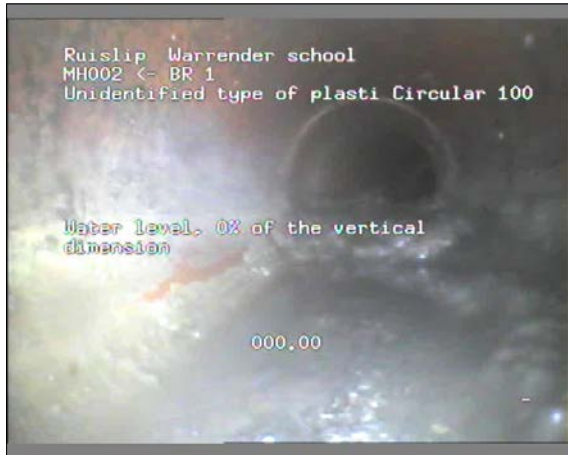


Photo: 3\_3\_6\_A.JPG  
 0m, Start node type, manhole, reference number : MH002



Photo: 3\_3\_7\_A.JPG  
 0m, Water level, 0% of the vertical dimension

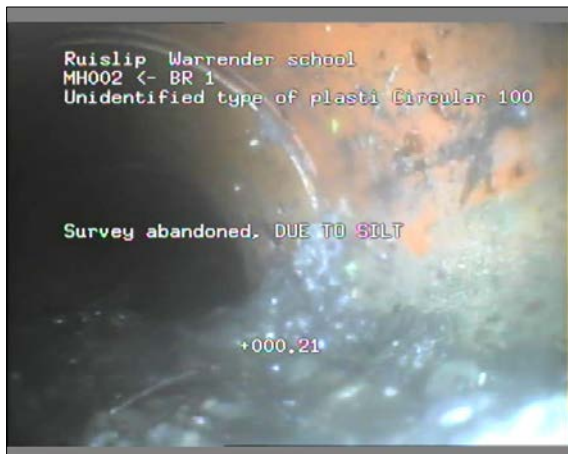


Photo: 3\_3\_8\_A.JPG  
 0.21m, Settled deposits, fine, 40% cross-sectional area loss

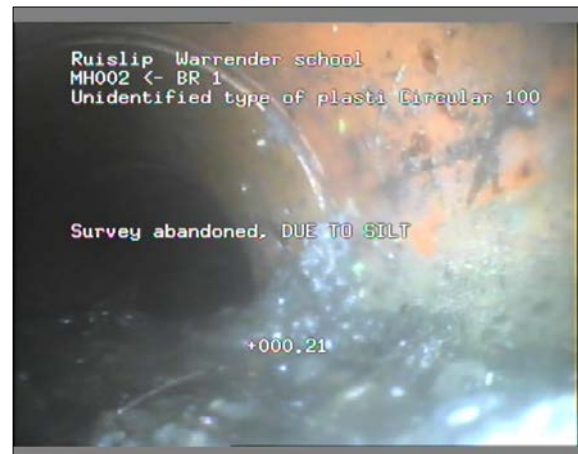


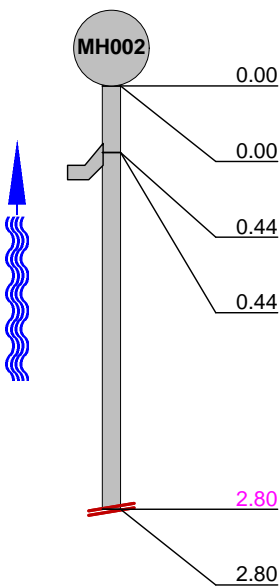
Photo: 3\_3\_9\_A.JPG  
 0.21m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>3</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH002 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2 U/S Depth : MH002 0.3</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 2.80 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Unidentified type of plastics</b>		

Comment :

1:50 Depth: 0.3	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH002	4_4_10_A.JPG
	0.00	Water level, 0% of the vertical dimension	4_4_11_A.JPG
	0.44	Water level, 40% of the vertical dimension	4_4_12_A.JPG
	0.44	Junction, at 3 o'clock, diameter 100mm	4_4_13_A.JPG
	2.80	Settled deposits, hard or compacted, 70% cross-sectional area loss	4_4_14_A.JPG
2.80	Survey abandoned	4_4_15_A.JPG	

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	8	2.86	8	4

## Inspection pictures

Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**3**PLR Suffix :  
**X**

Photo: 4\_4\_10\_A.JPG  
 0m, Start node type, manhole, reference number : MH002



Photo: 4\_4\_11\_A.JPG  
 0m, Water level, 0% of the vertical dimension

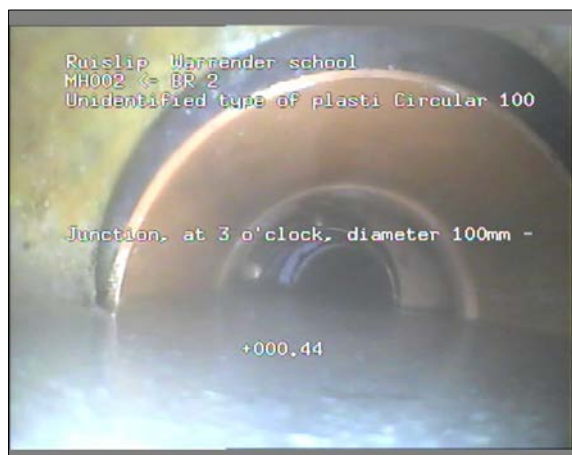


Photo: 4\_4\_12\_A.JPG  
 0.44m, Water level, 40% of the vertical dimension

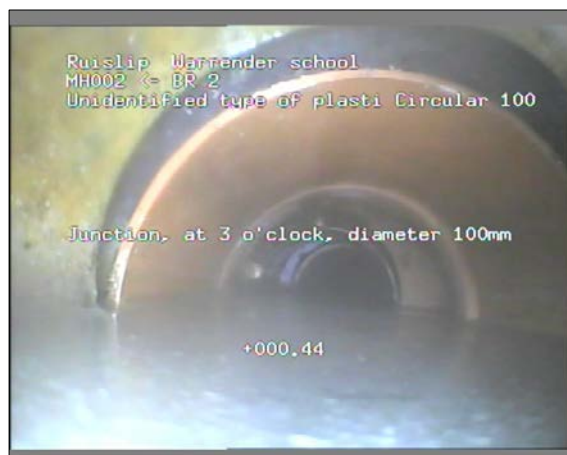


Photo: 4\_4\_13\_A.JPG  
 0.44m, Junction, at 3 o'clock, diameter 100mm

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>3</b>	PLR Suffix : <b>X</b>
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Photo: 4\_4\_14\_A.JPG  
2.8m, Settled deposits, hard or compacted, 70% cross-sectional area loss



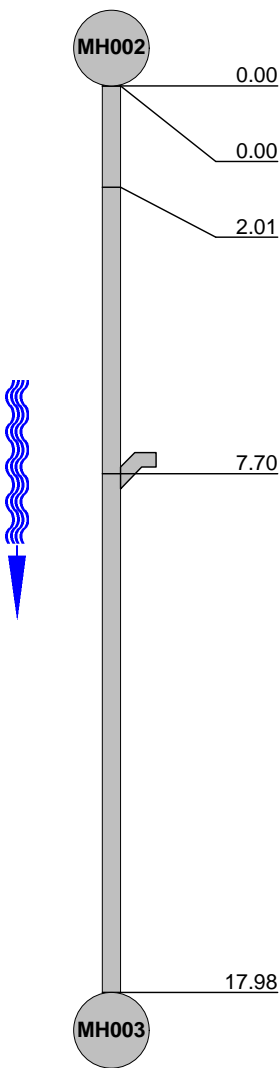
Photo: 4\_4\_15\_A.JPG  
2.8m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>4</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH002 (D/S) MH003</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH002 0.3 MH003 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 17.98 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:150 Position Depth: 0.3	Observation	Photo
	Start node type, manhole, reference number : MH002	5_5_16_A.JPG
0.00	Water level, 0% of the vertical dimension	5_5_17_A.JPG
2.01	Water level, 10% of the vertical dimension	5_5_18_A.JPG
7.70	Junction, at 9 o'clock, diameter 100mm	5_5_19_A.JPG
17.98	Finish node type, manhole reference number: MH003	5_5_20_A.JPG
Depth: 0.7		

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**4**

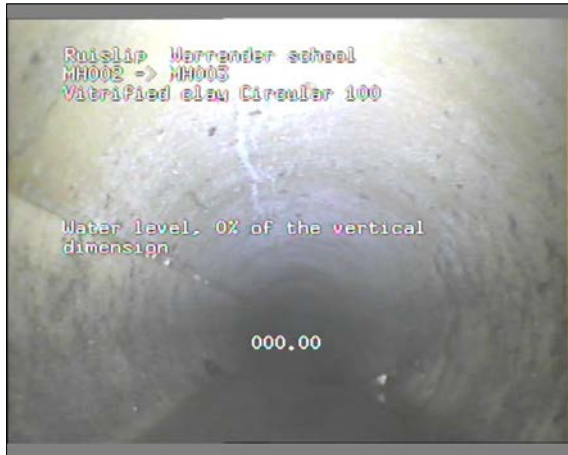
 PLR Suffix :  
**X**


Photo: 5\_5\_16\_A.JPG  
 0m, Start node type, manhole, reference number : MH002



Photo: 5\_5\_17\_A.JPG  
 0m, Water level, 0% of the vertical dimension

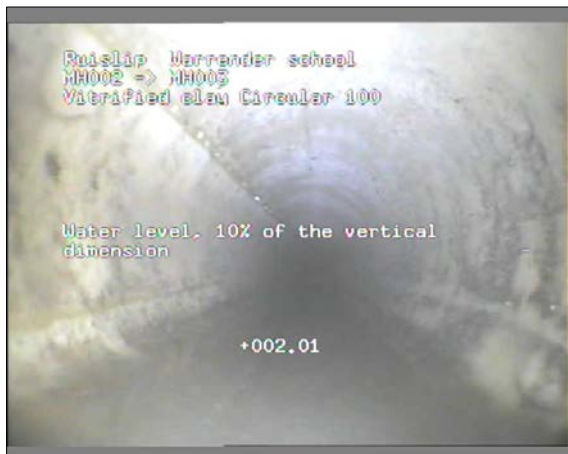


Photo: 5\_5\_18\_A.JPG  
 2.01m, Water level, 10% of the vertical dimension

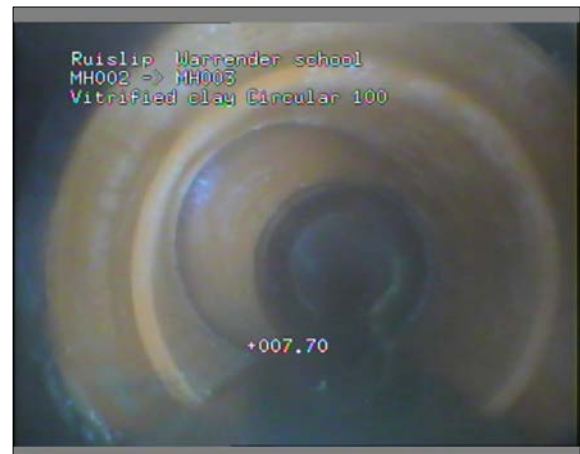


Photo: 5\_5\_19\_A.JPG  
 7.7m, Junction, at 9 o'clock, diameter 100mm

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**4**

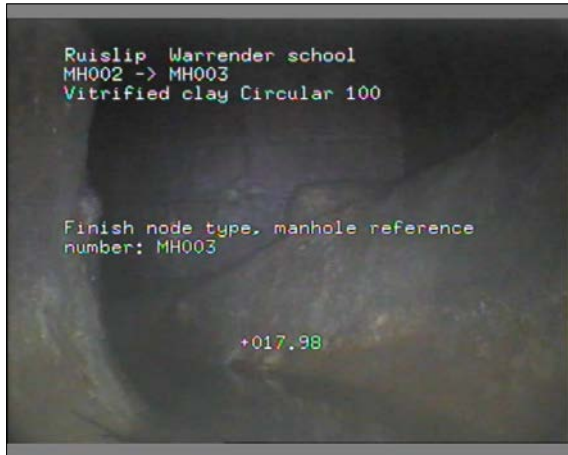
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**X**


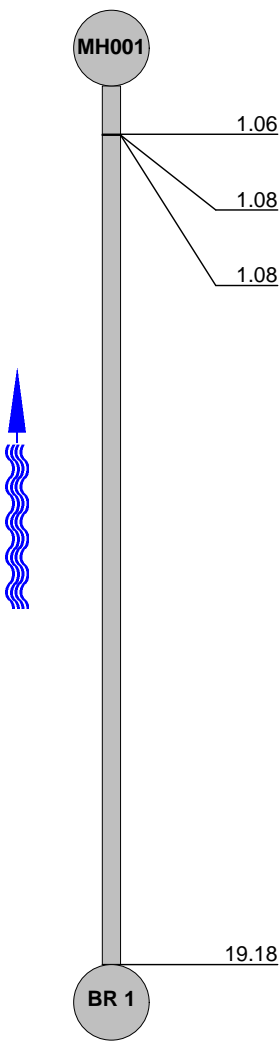
Photo: 5\_5\_20\_A.JPG  
 17.98m, Finish node type, manhole reference number: MH003

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>5</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH001 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular 19.18 m</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1 0.3 MH001 0.3</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 19.18 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Unidentified type of plastics</b>		

Comment :

1:165 Position Depth: 0.3	Observation	Photo							
	<p>Water level, 5% of the vertical dimension</p> <p>Start node type, manhole, reference number : MH001</p> <p>Water level, 0% of the vertical dimension</p> <p>Finish node type, outfall reference number: BR 1</p>	<p>6_6_23_A.JPG</p> <p>6_6_21_A.JPG</p> <p>6_6_22_A.JPG</p> <p>6_6_24_A.JPG</p>							
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**5**

 PLR Suffix :  
**X**


Photo: 6\_6\_23\_A.JPG  
 1.06m, Water level, 5% of the vertical dimension



Photo: 6\_6\_21\_A.JPG  
 1.08m, Start node type, manhole, reference number : MH001



Photo: 6\_6\_22\_A.JPG  
 1.08m, Water level, 0% of the vertical dimension

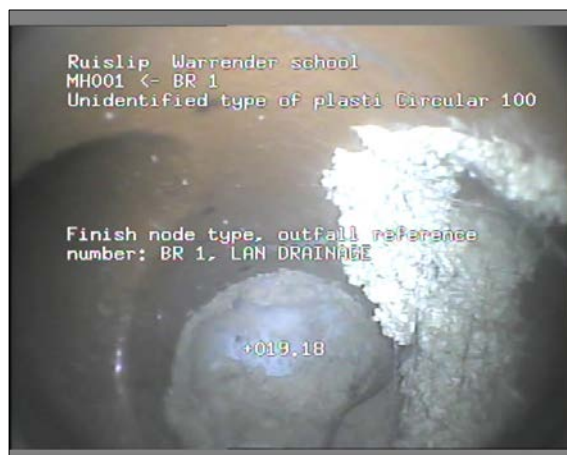


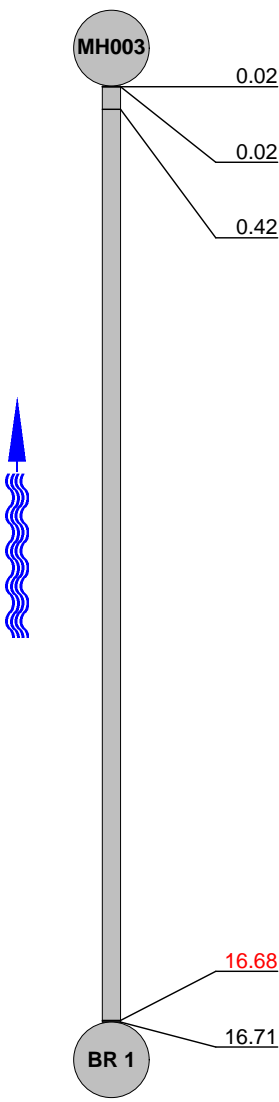
Photo: 6\_6\_24\_A.JPG  
 19.18m, Finish node type, outfall reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>6</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH003 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1 BR 1 MH003 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 16.71 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:135 Position Depth: 0.7	Observation	Photo							
	<p>Start node type, manhole, reference number : MH003</p> <p>Water level, 0% of the vertical dimension</p> <p>Material changes, pitch fibre</p> <p style="color: red;">Deformed sewer/drain, 60%</p> <p>Finish node type, outfall reference number: BR 1</p>	<p>7_7_25_A.JPG</p> <p>7_7_26_A.JPG</p> <p>7_7_27_A.JPG</p> <p style="color: red;">7_7_28_A.JPG</p> <p>7_7_29_A.JPG</p>							
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	165	9.87	165	5	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**6**

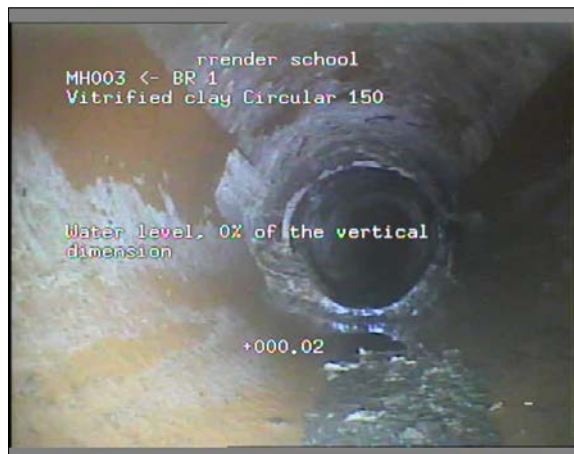
 PLR Suffix :  
**X**


Photo: 7\_7\_25\_A.JPG  
 0.02m, Start node type, manhole, reference number : MH003



Photo: 7\_7\_26\_A.JPG  
 0.02m, Water level, 0% of the vertical dimension

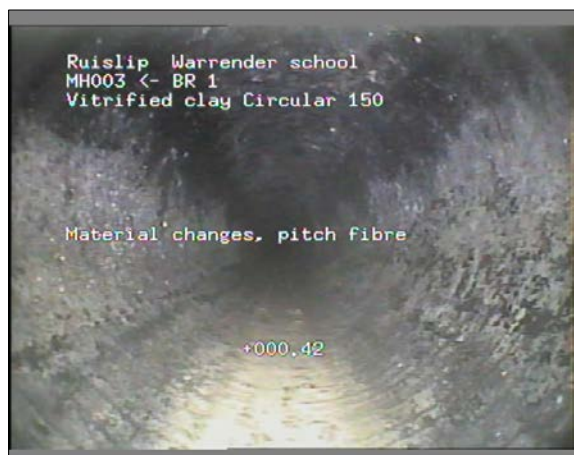


Photo: 7\_7\_27\_A.JPG  
 0.42m, Material changes, pitch fibre



Photo: 7\_7\_28\_A.JPG  
 16.68m, Deformed sewer/drain, 60%

## Inspection pictures

Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**6**PLR Suffix :  
**X**

Photo: 7\_7\_29\_A.JPG

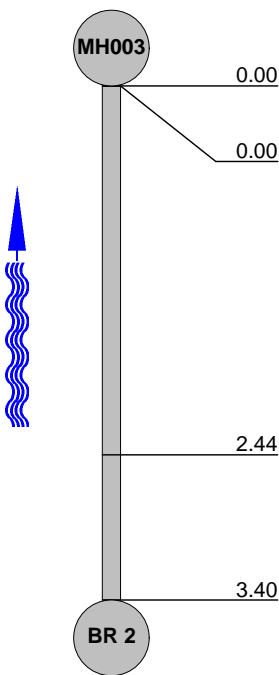
16.71m, Finish node type, outfall reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>7</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH003 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2 BR 2 MH003 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 3.40 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH003	8_8_30_A.JPG
	0.00	Water level, 0% of the vertical dimension	8_8_31_A.JPG
	2.44	Material changes, pitch fibre	8_8_32_A.JPG
	3.40	Finish node type, outfall reference number: BR 2	8_8_33_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

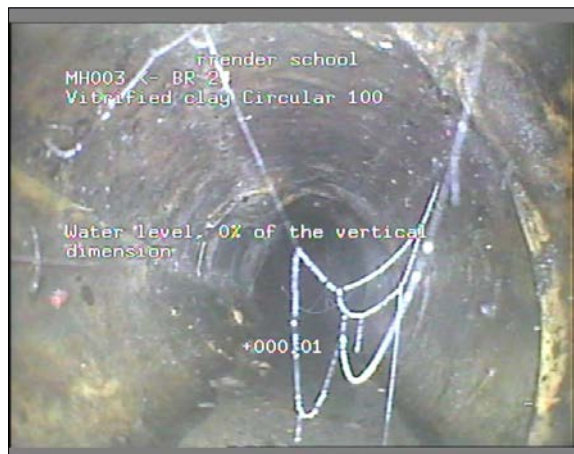
Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**7**PLR Suffix :  
**X**

Photo: 8\_8\_30\_A.JPG  
 0m, Start node type, manhole, reference number : MH003



Photo: 8\_8\_31\_A.JPG  
 0m, Water level, 0% of the vertical dimension



Photo: 8\_8\_32\_A.JPG  
 2.44m, Material changes, pitch fibre





Photo: 8\_8\_33\_A.JPG  
 3.4m, Finish node type, outfall reference number: BR 2

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>8</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH003 (D/S) MH004</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH003 0.7 MH004 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 8.26 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:75 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH003	9_9_34_A.JPG
	0.00	Water level, 20% of the vertical dimension	9_9_35_A.JPG
	2.44	Settled deposits, fine, 25% cross-sectional area loss	9_9_36_A.JPG
	7.88	Water level, 40% of the vertical dimension	9_9_37_A.JPG
	8.26	Finish node type, manhole reference number: MH004	9_9_38_A.JPG
			
Depth: 0.7			

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	5	0.61	5	4

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**8**

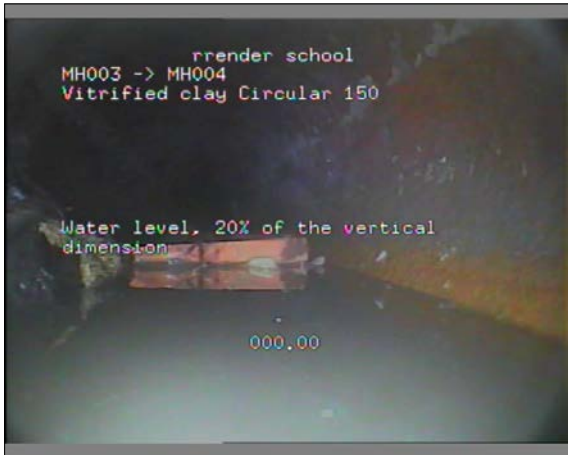
 PLR Suffix :  
**X**


Photo: 9\_9\_34\_A.JPG  
 0m, Start node type, manhole, reference number : MH003

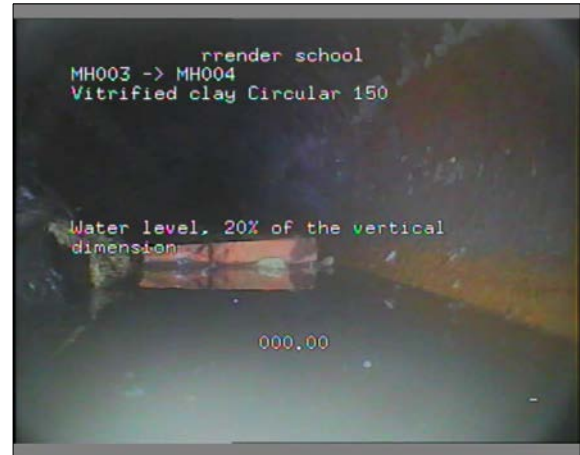


Photo: 9\_9\_35\_A.JPG  
 0m, Water level, 20% of the vertical dimension

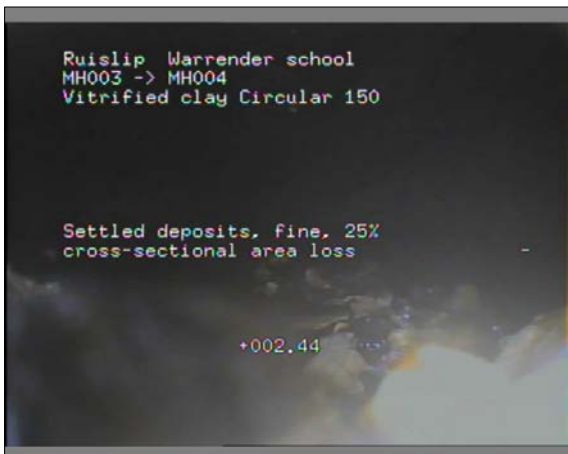


Photo: 9\_9\_36\_A.JPG  
 2.44m, Settled deposits, fine, 25% cross-sectional area loss

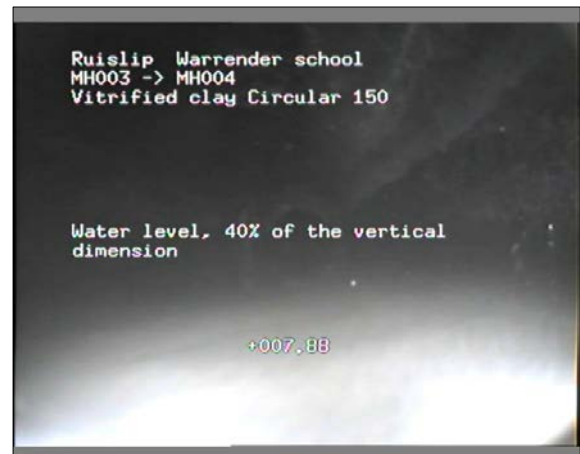


Photo: 9\_9\_37\_A.JPG  
 7.88m, Water level, 40% of the vertical dimension



## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**8**

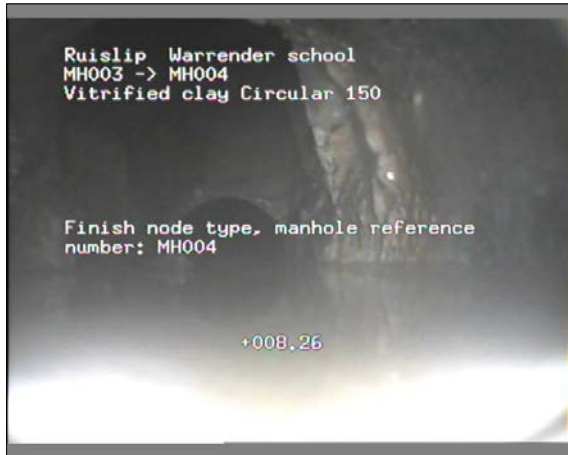
 PLR Suffix :  
**X**


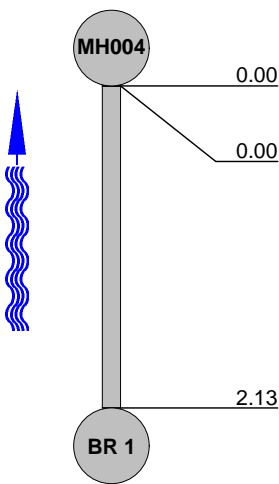
Photo: 9\_9\_38\_A.JPG  
 8.26m, Finish node type, manhole reference number: MH004

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>9</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH004 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>   	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1</b>  <b>MH004</b> <b>0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>2.13 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Unidentified type of plastics</b> 		

Comment :

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH004	10_10_39_A.JPG
	0.00	Water level, 0% of the vertical dimension	10_10_40_A.JPG
	2.13	Finish node type, gully reference number: BR 1	10_10_41_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**9**

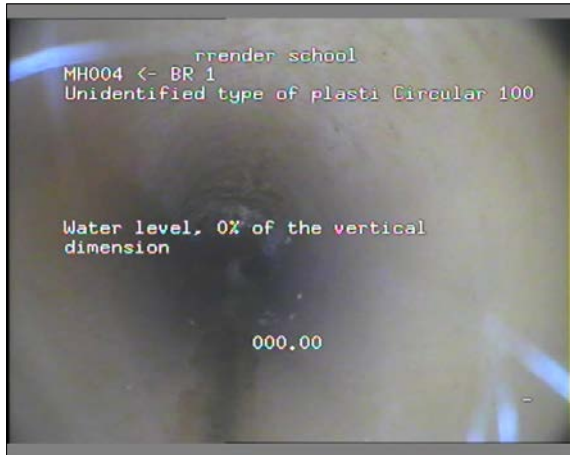
 PLR Suffix :  
**X**


Photo: 10\_10\_39\_A.JPG  
 0m, Start node type, manhole, reference number : MH004



Photo: 10\_10\_40\_A.JPG  
 0m, Water level, 0% of the vertical dimension

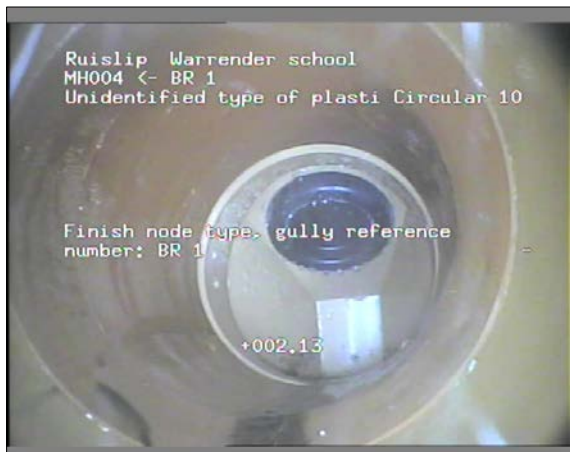


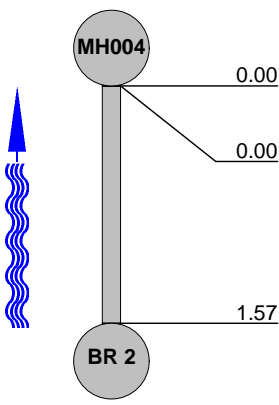
Photo: 10\_10\_41\_A.JPG  
 2.13m, Finish node type, gully reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>10</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH004 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2 MH004 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 1.57 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Unidentified type of plastics</b>		

Comment :

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH004	11_11_42_A.JPG
	0.00	Water level, 0% of the vertical dimension	11_11_43_A.JPG
	1.57	Finish node type, outfall reference number: BR 2	11_11_44_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**10**

 PLR Suffix :  
**X**


Photo: 11\_11\_42\_A.JPG  
 0m, Start node type, manhole, reference number : MH004



Photo: 11\_11\_43\_A.JPG  
 0m, Water level, 0% of the vertical dimension



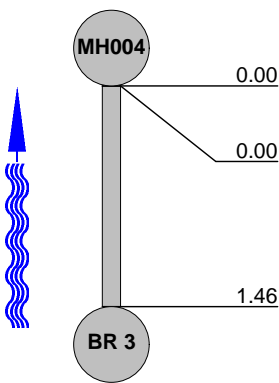
Photo: 11\_11\_44\_A.JPG  
 1.57m, Finish node type, outfall reference number: BR 2

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>11</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH004 (U/S) BR 3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>  <b>BR 3</b> U/S Depth : <b>MH004</b> D/S Depth : <b>0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>1.46 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Unidentified type of plastics</b>  

Comment :

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH004	12_12_45_A.JPG
	0.00	Water level, 0% of the vertical dimension	12_12_46_A.JPG
	1.46	Finish node type, outfall reference number: BR 3	12_12_47_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

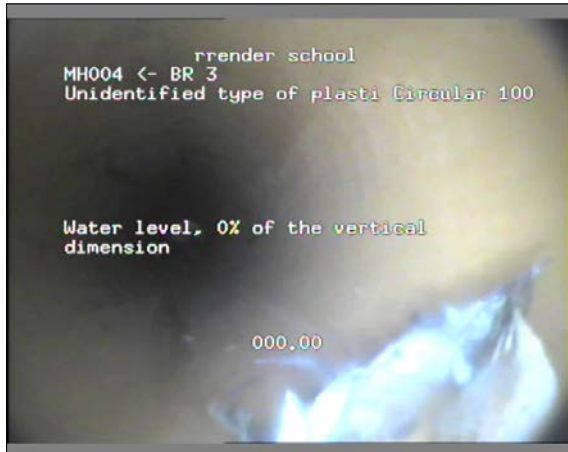
Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**11**PLR Suffix :  
**X**

Photo: 12\_12\_45\_A.JPG  
 0m, Start node type, manhole, reference number : MH004

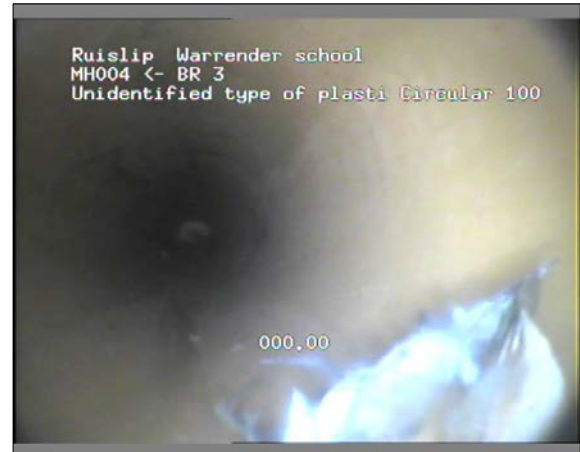


Photo: 12\_12\_46\_A.JPG  
 0m, Water level, 0% of the vertical dimension

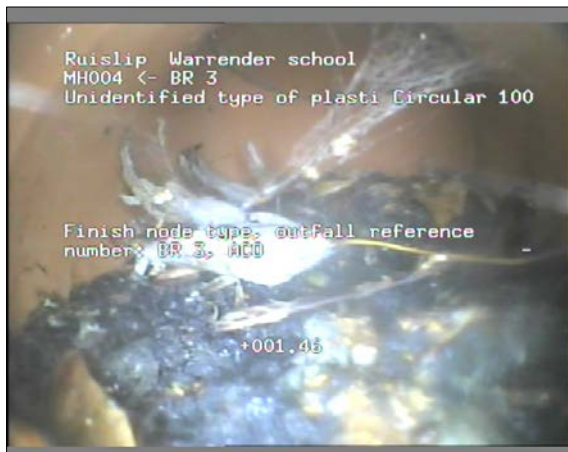


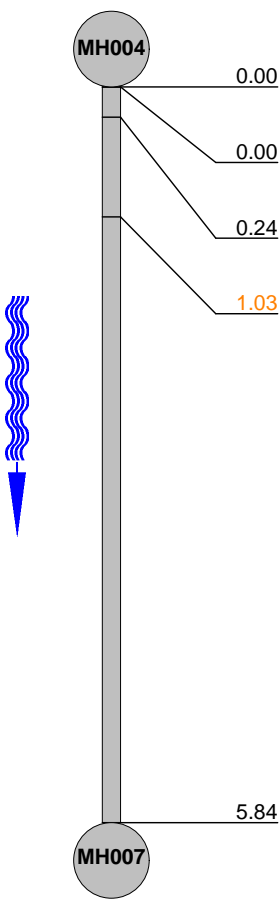
Photo: 12\_12\_47\_A.JPG  
 1.46m, Finish node type, outfall reference number: BR 3

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>12</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH004 (D/S) MH007</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>   	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH004</b> <b>0.7</b> <b>MH007</b> <b>0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>5.84 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b> 		

Comment :

1:60 Position Depth: 0.7	Observation	Photo
	Start node type, manhole, reference number : MH004	13_13_48_A.JPG
0.00	Water level, 40% of the vertical dimension	13_13_49_A.JPG
0.24	Water level, 10% of the vertical dimension	13_13_50_A.JPG
1.03	Settled deposits, fine, 20% cross-sectional area loss	13_13_51_A.JPG
5.84	Finish node type, manhole reference number: MH007	13_13_52_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	2	0.34	2	3



## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**12**

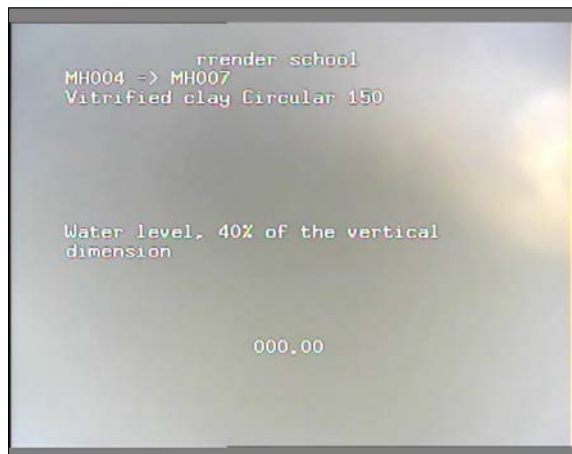
 PLR Suffix :  
**X**

 Photo: 13\_13\_48\_A.JPG  
 0m, Start node type, manhole, reference number : MH004

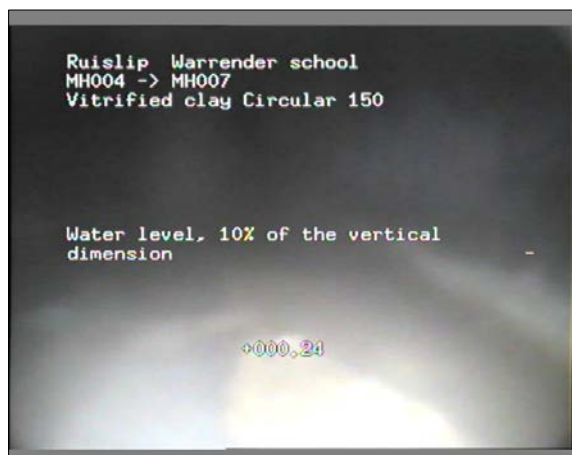
 Photo: 13\_13\_49\_A.JPG  
 0m, Water level, 40% of the vertical dimension

 Photo: 13\_13\_50\_A.JPG  
 0.24m, Water level, 10% of the vertical dimension

 Photo: 13\_13\_51\_A.JPG  
 1.03m, Settled deposits, fine, 20% cross-sectional area loss

### Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>12</b>	PLR Suffix : <b>X</b>
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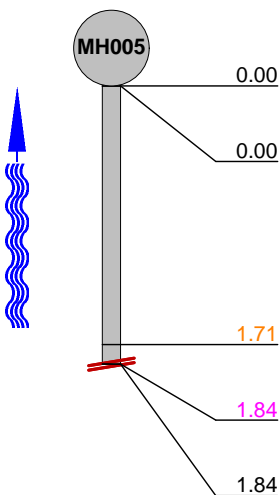
Photo: 13\_13\_52\_A.JPG  
5.84m, Finish node type, manhole reference number: MH007

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>13</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH005 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1 MH005 1.7</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 1.84 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 1.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH005	14_14_53_A.JPG
	0.00	Water level, 0% of the vertical dimension	14_14_54_A.JPG
	1.71	Fracture, circumferential, from 9 to 3 o'clock	14_14_55_A.JPG
	1.84	Settled deposits, hard or compacted, 25% cross-sectional area loss	14_14_56_A.JPG
	1.84	Survey abandoned	14_14_57_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	40	21.74	40	3	1	5	2.72	5	4

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**13**

 PLR Suffix :  
**X**


Photo: 14\_14\_53\_A.JPG  
 0m, Start node type, manhole, reference number : MH005



Photo: 14\_14\_54\_A.JPG  
 0m, Water level, 0% of the vertical dimension



Photo: 14\_14\_55\_A.JPG  
 1.71m, Fracture, circumferential, from 9 to 3 o'clock



Photo: 14\_14\_56\_A.JPG  
 1.84m, Settled deposits, hard or compacted, 25% cross-sectional area loss

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>13</b>	PLR Suffix : <b>X</b>
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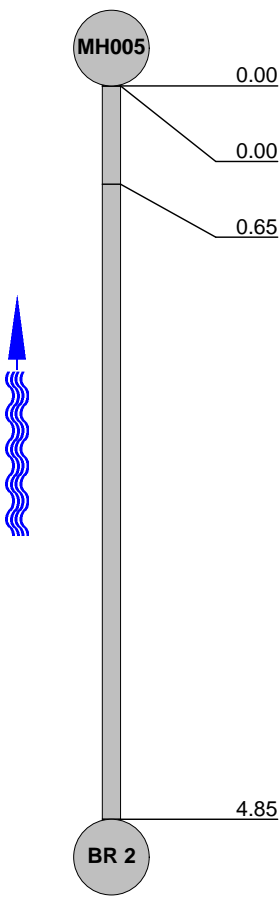
Photo: 14\_14\_57\_A.JPG  
1.84m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>14</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH005 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2 1.7 MH005 1.7</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 4.85 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 1.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH005	15_15_58_A.JPG
	0.00	Water level, 0% of the vertical dimension	15_15_59_A.JPG
	0.65	Line deviates left	15_15_60_A.JPG
	4.85	Finish node type, outfall reference number: BR 2	15_15_61_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**14**

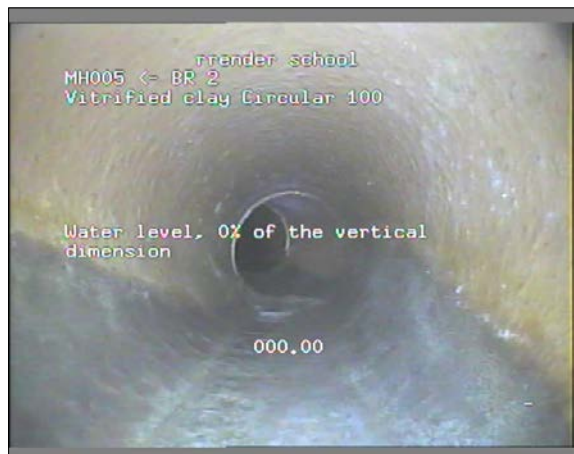
 PLR Suffix :  
**X**


Photo: 15\_15\_58\_A.JPG  
 0m, Start node type, manhole, reference number : MH005



Photo: 15\_15\_59\_A.JPG  
 0m, Water level, 0% of the vertical dimension

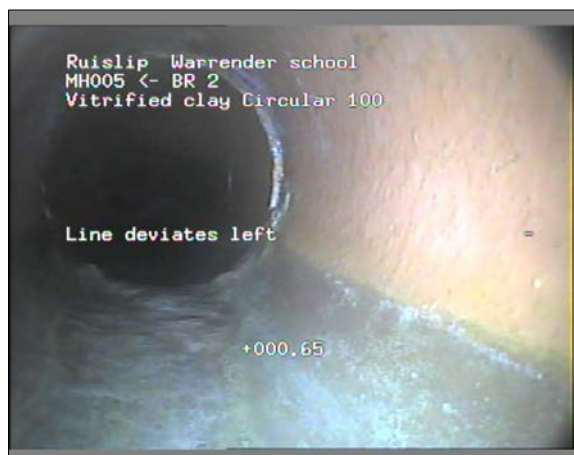


Photo: 15\_15\_60\_A.JPG  
 0.65m, Line deviates left

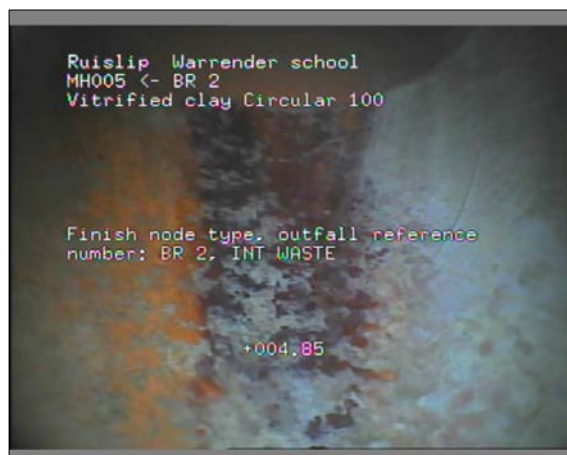


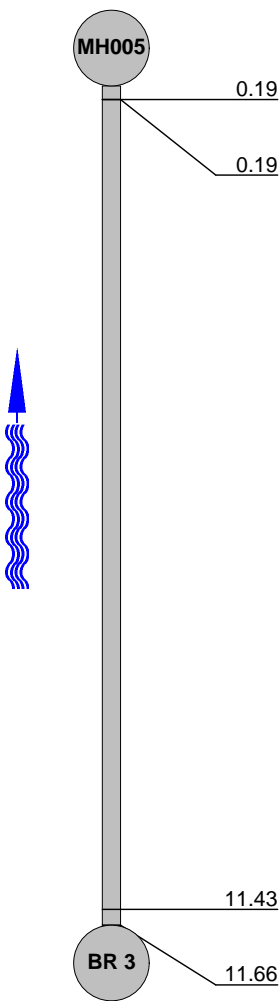



Photo: 15\_15\_61\_A.JPG  
 4.85m, Finish node type, outfall reference number: BR 2

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>15</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH005 (U/S) BR 3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>   	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 3</b>  <b>MH005</b> <b>1.7</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>11.66 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b> 		

Comment :

1:105 Position Depth: 1.7	Observation	Photo
	Start node type, manhole, reference number : MH005	16_16_62_A.JPG
	Water level, 0% of the vertical dimension	16_16_63_A.JPG
	Line deviates right	16_16_64_A.JPG
	Finish node type, outfall reference number: BR 3	16_16_65_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



## Inspection pictures

Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**15**PLR Suffix :  
**X**

Photo: 16\_16\_62\_A.JPG  
 0.19m, Start node type, manhole, reference number : MH005



Photo: 16\_16\_63\_A.JPG  
 0.19m, Water level, 0% of the vertical dimension



Photo: 16\_16\_64\_A.JPG  
 11.43m, Line deviates right




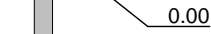
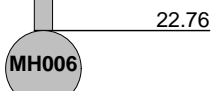
Photo: 16\_16\_65\_A.JPG  
 11.66m, Finish node type, outfall reference number: BR 3

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>16</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH005 (D/S) MH006</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH005</b> <b>1.7</b> <b>MH006</b> <b>0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>22.76 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b>		

Comment :

1:180 Position Depth: 1.7	Observation	Photo
	Start node type, manhole, reference number : MH005	17_17_66_A.JPG
	Water level, 0% of the vertical dimension	17_17_67_A.JPG
	Finish node type, manhole reference number: MH006	17_17_68_A.JPG
<b>Depth: 0.8</b>		

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**16**

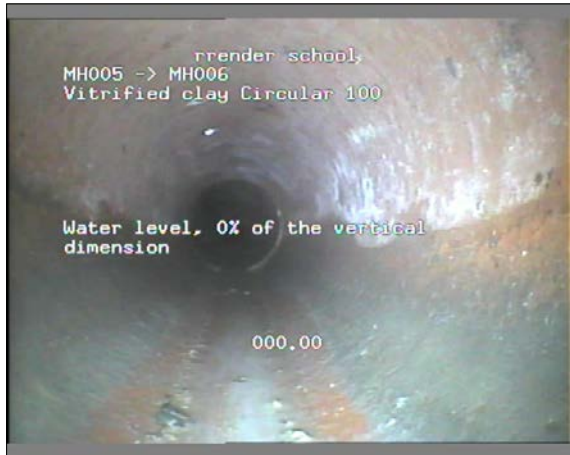
 PLR Suffix :  
**X**


Photo: 17\_17\_66\_A.JPG  
 0m, Start node type, manhole, reference number : MH005



Photo: 17\_17\_67\_A.JPG  
 0m, Water level, 0% of the vertical dimension

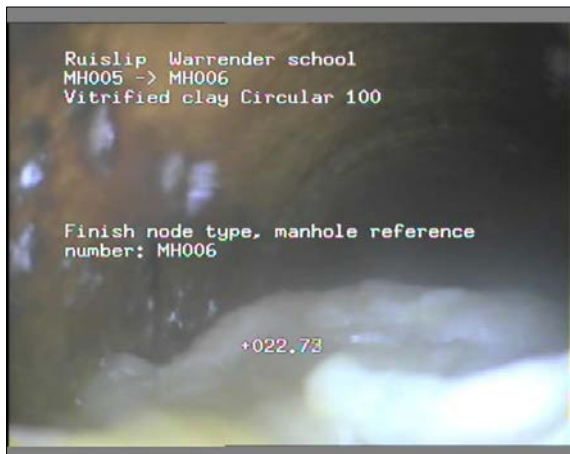


Photo: 17\_17\_68\_A.JPG  
 22.76m, Finish node type, manhole reference number: MH006

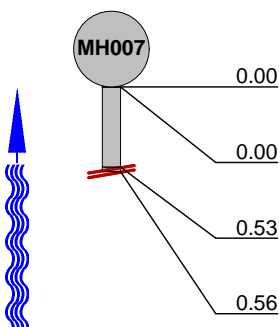
## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>17</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH007 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1</b> <b></b> <b>MH007</b> <b>0.7</b>
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Use: Year laid : Purpose : Total length :	<b>Surface water</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>0.56 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Other (state in remarks)</b> <b></b>
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Comment : **LINING MATERIAL**

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH007	18_18_69_A.JPG
	0.00	Water level, 0% of the vertical dimension	18_18_70_A.JPG
	0.53	Line deviates right	18_18_71_A.JPG
	0.56	Survey abandoned	18_18_72_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

### Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>17</b>	PLR Suffix : <b>X</b>
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Photo: 18\_18\_69\_A.JPG  
 0m, Start node type, manhole, reference number : MH007



Photo: 18\_18\_70\_A.JPG  
 0m, Water level, 0% of the vertical dimension



Photo: 18\_18\_71\_A.JPG  
 0.53m, Line deviates right



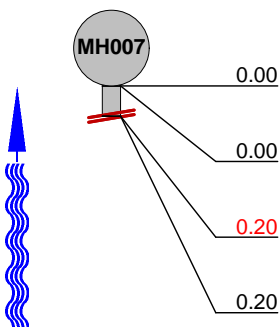
Photo: 18\_18\_72\_A.JPG  
 0.56m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>18</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH007 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2 MH007 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 0.20 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.7	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH007	19_19_73_A.JPG
	0.00	Water level, 0% of the vertical dimension	19_19_74_A.JPG
	0.20	Settled deposits, fine, 90% cross-sectional area loss	19_19_75_A.JPG
	0.20	Survey abandoned	19_19_76_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	10	50	10	5

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>18</b>	PLR Suffix : <b>X</b>
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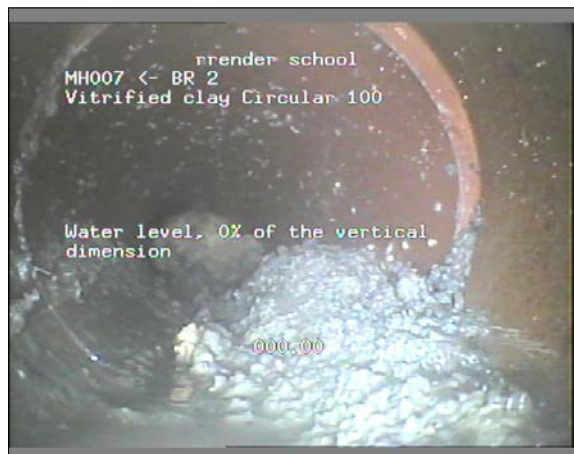


Photo: 19\_19\_73\_A.JPG  
0m, Start node type, manhole, reference number : MH007



Photo: 19\_19\_74\_A.JPG  
0m, Water level, 0% of the vertical dimension



Photo: 19\_19\_75\_A.JPG  
0.2m, Settled deposits, fine, 90% cross-sectional area loss



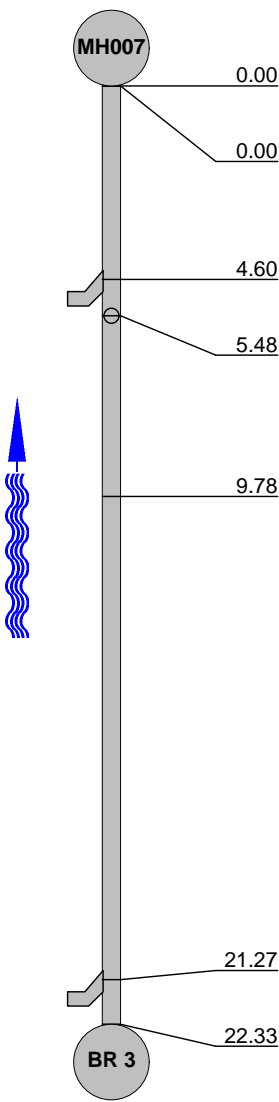
Photo: 19\_19\_76\_A.JPG  
0.2m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>19</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH007 (U/S) BR 3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 3 BR 3 MH007 0.7</b>
Use: Year laid : Purpose : Total length :	<b>Surface water 1960S Routine inspection of condition 22.33 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:180 Position Depth: 0.7	Observation	Photo
	Water level, 0% of the vertical dimension	20_20_78_A.JPG
0.00	Start node type, manhole, reference number : MH007	20_20_77_A.JPG
0.00		
4.60	Junction, at 1 o'clock, diameter 100mm	20_20_79_A.JPG
5.48	Junction, at 12 o'clock, diameter 100mm	20_20_80_A.JPG
9.78	Material changes, other (see remark)	20_20_81_A.JPG
21.27	Junction, at 3 o'clock, diameter 100mm	20_20_82_A.JPG
22.33	Finish node type, outfall reference number: BR 3	20_20_83_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**19**

 PLR Suffix :  
**X**


Photo: 20\_20\_77\_A.JPG  
 0m, Start node type, manhole, reference number : MH007

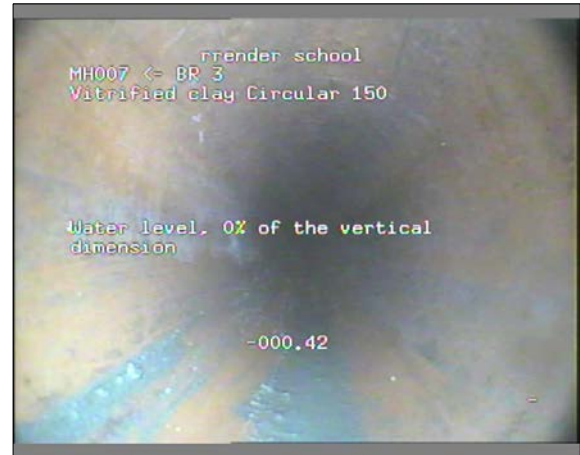


Photo: 20\_20\_78\_A.JPG  
 0m, Water level, 0% of the vertical dimension

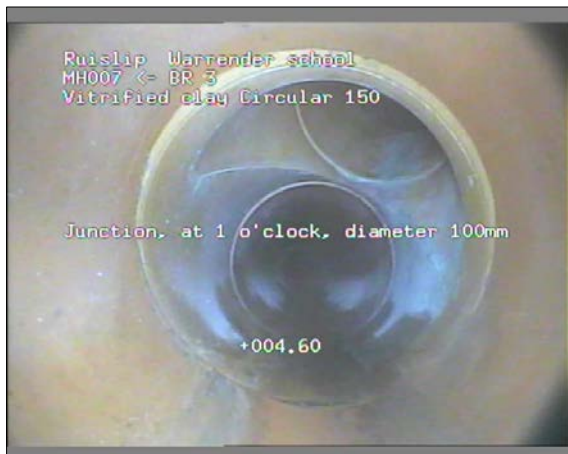


Photo: 20\_20\_79\_A.JPG  
 4.6m, Junction, at 1 o'clock, diameter 100mm

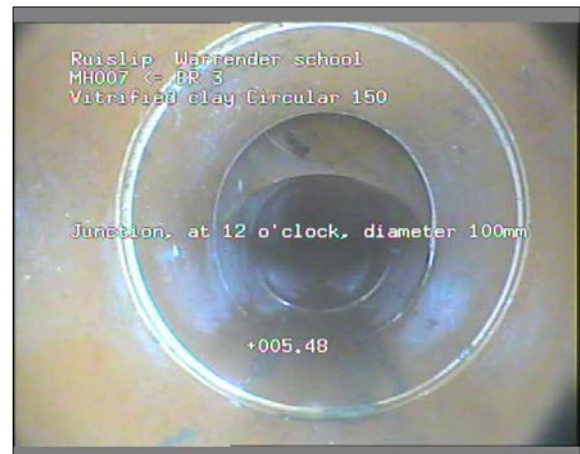


Photo: 20\_20\_80\_A.JPG  
 5.48m, Junction, at 12 o'clock, diameter 100mm

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**19**

 PLR Suffix :  
**X**


Photo: 20\_20\_81\_A.JPG  
 9.78m, Material changes, other (see remark)



Photo: 20\_20\_82\_A.JPG  
 21.27m, Junction, at 3 o'clock, diameter 100mm



Photo: 20\_20\_83\_A.JPG  
 22.33m, Finish node type, outfall reference number: BR 3

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>20</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : <b>Ruislip</b>	Location details:	U/S MH : <b>MH007</b>	U/S Depth : <b>0.7</b>
Road : <b>Warrender school</b>	Catchment:	D/S MH : <b>MH008</b>	D/S Depth : <b>1.3</b>
Location <b>Property with buildings</b>	Pipe Shape : <b>Circular</b>		
Inspection <b>MH007 (D/S) MH008</b>	Pipe Length		
Use: <b>Surface water</b>	Pipe Width : <b>150 mm</b>		
Year laid : <b>1960S</b>	Pipe Diameter : <b>150 mm</b>		
Purpose : <b>Routine inspection of condition</b>	Pipe material : <b>Vitrified clay</b>		
Total length : <b>24.72 m</b>	Lining :		

Comment :

1:195 Position Depth: 0.7	Observation	Photo
	Material changes, other (see remark)	21_21_86_A.JPG
	Deformed sewer/drain, 60%	21_21_87_A.JPG
	Survey abandoned	21_21_88_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	165	6.67	165	5	0	0	0	0	1

## Inspection pictures

Place :  
**Ruislip**

Road :  
**Warrender school**

Date :  
**08/12/2016**

Section number :  
**20**

PLR Suffix :  
**X**



Photo: 21\_21\_84\_A.JPG  
-0.4m, Start node type, manhole, reference number : MH007



Photo: 21\_21\_85\_A.JPG  
-0.4m, Water level, 0% of the vertical dimension



Photo: 21\_21\_86\_A.JPG  
0.48m, Material changes, other (see remark)



Photo: 21\_21\_87\_A.JPG  
24.32m, Deformed sewer/drain, 60%

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**20**

 PLR Suffix :  
**X**

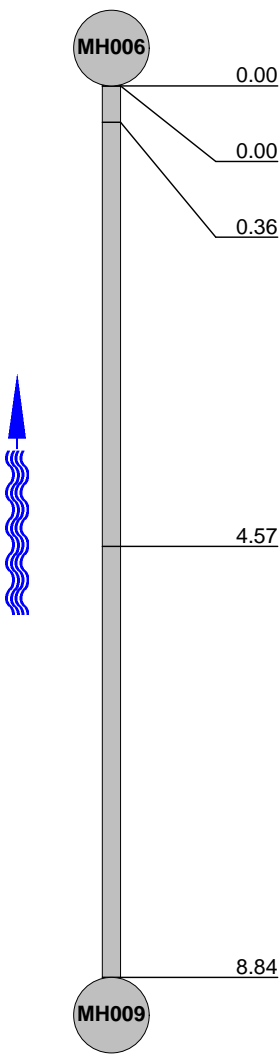

Photo: 21\_21\_88\_A.JPG  
 24.32m, Survey abandoned

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>21</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH006 (U/S) MH009</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular MH009 MH006 0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 8.84 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>

Comment :

1:75 Depth: 0.8 Position	Observation	Photo
	Start node type, manhole, reference number : MH006	22_22_89_A.JPG
0.00	Water level, 0% of the vertical dimension	22_22_90_A.JPG
0.36	Line deviates right	22_22_91_A.JPG
4.57	Line deviates left	22_22_92_A.JPG
8.84	Finish node type, manhole reference number: MH009	22_22_93_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>21</b>	PLR Suffix : <b>X</b>
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Photo: 22\_22\_89\_A.JPG  
 0m, Start node type, manhole, reference number : MH006



Photo: 22\_22\_90\_A.JPG  
 0m, Water level, 0% of the vertical dimension



Photo: 22\_22\_91\_A.JPG  
 0.36m, Line deviates right



Photo: 22\_22\_92\_A.JPG  
 4.57m, Line deviates left

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>21</b>	PLR Suffix : <b>X</b>
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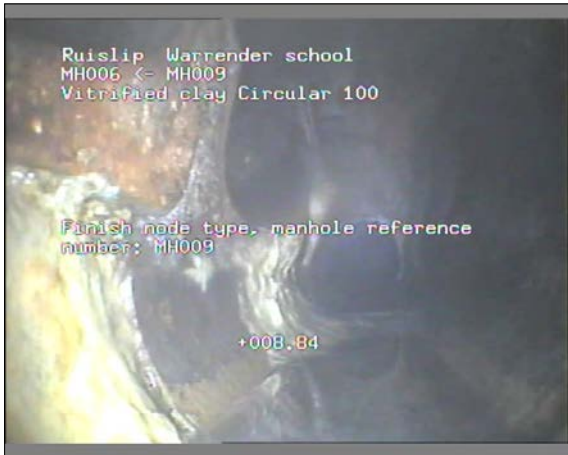


Photo: 22\_22\_93\_A.JPG  
8.84m, Finish node type, manhole reference number: MH009

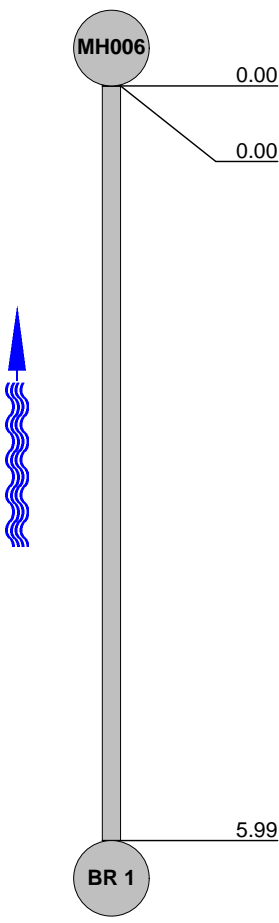


## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>22</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH006 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1 BR 1 MH006 0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 5.99 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:60 Depth: 0.8	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH006	23_23_94_A.JPG
	0.00	Water level, 0% of the vertical dimension	23_23_95_A.JPG
	5.99	Finish node type, outfall reference number: BR 1	23_23_96_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>22</b>	PLR Suffix : <b>X</b>
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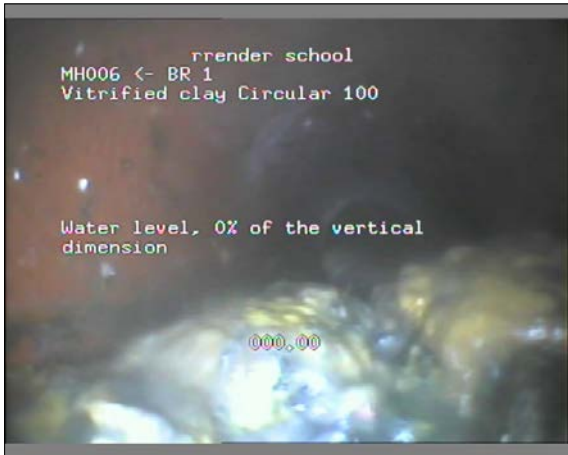


Photo: 23\_23\_94\_A.JPG  
 0m, Start node type, manhole, reference number : MH006



Photo: 23\_23\_95\_A.JPG  
 0m, Water level, 0% of the vertical dimension



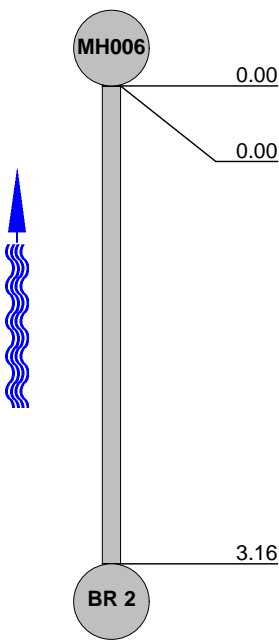
Photo: 23\_23\_96\_A.JPG  
 5.99m, Finish node type, outfall reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>23</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH006 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>   	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2</b>  <b>MH006</b> <b>0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>3.16 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b> 		

Comment :

1:50 Depth: 0.8	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH006	24_24_97_A.JPG
	0.00	Water level, 0% of the vertical dimension	24_24_98_A.JPG
	3.16	Finish node type, gully reference number: BR 2	24_24_99_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**23**

 PLR Suffix :  
**X**


Photo: 24\_24\_97\_A.JPG  
 0m, Start node type, manhole, reference number : MH006



Photo: 24\_24\_98\_A.JPG  
 0m, Water level, 0% of the vertical dimension



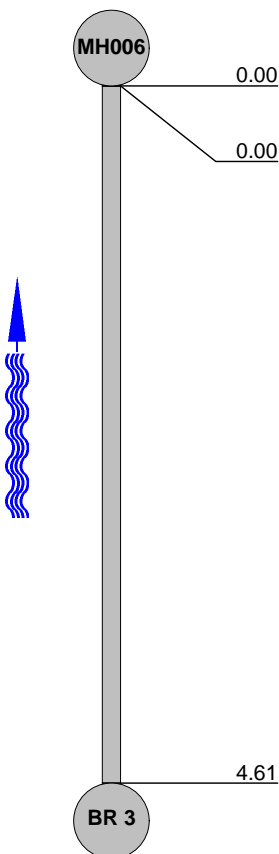
Photo: 24\_24\_99\_A.JPG  
 3.16m, Finish node type, gully reference number: BR 2

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>24</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH006 (U/S) BR 3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 3 MH006 0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 4.61 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.8	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH006	25_25_100_A.JPG
	0.00	Water level, 0% of the vertical dimension	25_25_101_A.JPG
	4.61	Finish node type, gully reference number: BR 3	25_25_102_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

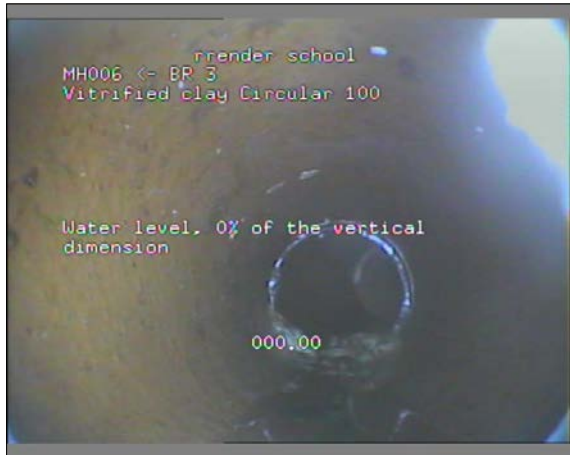
Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**24**PLR Suffix :  
**X**

Photo: 25\_25\_100\_A.JPG  
 0m, Start node type, manhole, reference number : MH006



Photo: 25\_25\_101\_A.JPG  
 0m, Water level, 0% of the vertical dimension

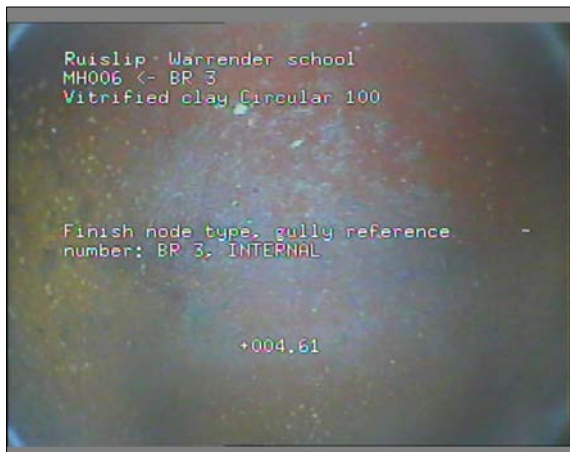


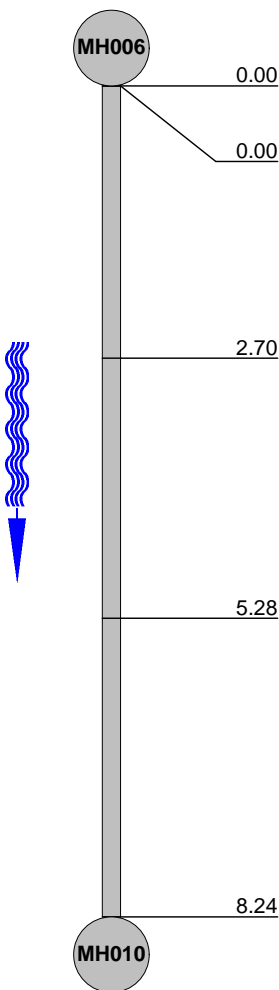
Photo: 25\_25\_102\_A.JPG  
 4.61m, Finish node type, gully reference number: BR 3

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>25</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH006 (D/S) MH010</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH006</b> <b>0.8</b> <b>MH010</b> <b>1</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>8.24 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>		

Comment :

1:75 Position Depth: 0.8	Observation	Photo
	Start node type, manhole, reference number : MH006	26_26_103_A.JPG
0.00	Water level, 0% of the vertical dimension	26_26_104_A.JPG
2.70	Water level, 40% of the vertical dimension	26_26_105_A.JPG
5.28	Water level, 40% of the vertical dimension	26_26_106_A.JPG
8.24	Finish node type, manhole reference number: MH010	26_26_107_A.JPG
<b>MH010</b> Depth: 1		

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**25**

 PLR Suffix :  
**X**


Photo: 26\_26\_103\_A.JPG  
 0m, Start node type, manhole, reference number : MH006



Photo: 26\_26\_104\_A.JPG  
 0m, Water level, 0% of the vertical dimension

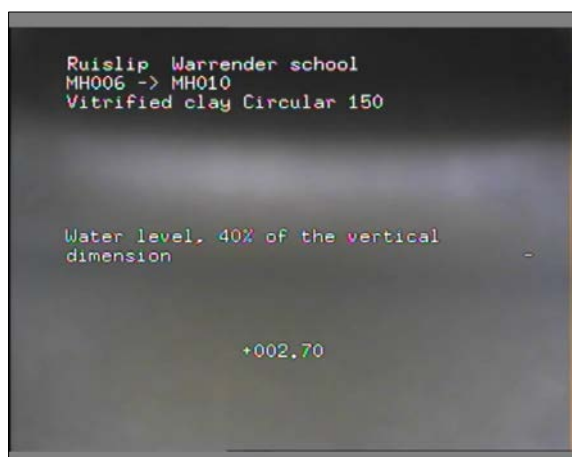


Photo: 26\_26\_105\_A.JPG  
 2.7m, Water level, 40% of the vertical dimension

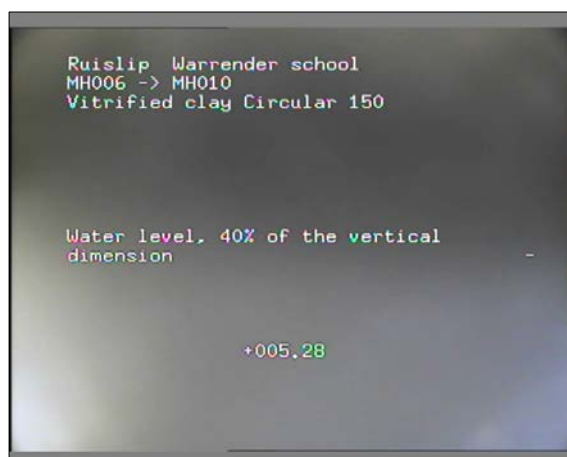


Photo: 26\_26\_106\_A.JPG  
 5.28m, Water level, 40% of the vertical dimension



## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**25**

 PLR Suffix :  
**X**

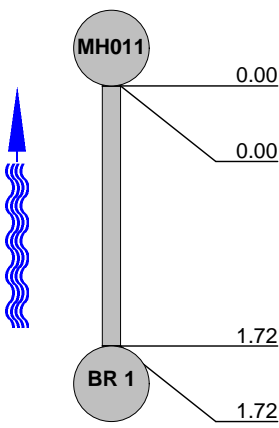

Photo: 26\_26\_107\_A.JPG  
 8.24m, Finish node type, manhole reference number: MH010

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>26</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH011 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1</b> <b></b> <b>MH011</b> <b>0.8</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>1.72 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b> <b></b>		

Comment :

1:50 Depth: 0.8	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH011	27_27_108_A.JPG
	0.00	Water level, 0% of the vertical dimension	27_27_109_A.JPG
	1.72	Line deviates up	27_27_110_A.JPG
	1.72	Finish node type, outfall reference number: BR 1	27_27_111_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**26**

 PLR Suffix :  
**X**


Photo: 27\_27\_108\_A.JPG  
 0m, Start node type, manhole, reference number : MH011



Photo: 27\_27\_109\_A.JPG  
 0m, Water level, 0% of the vertical dimension



Photo: 27\_27\_110\_A.JPG  
 1.72m, Line deviates up



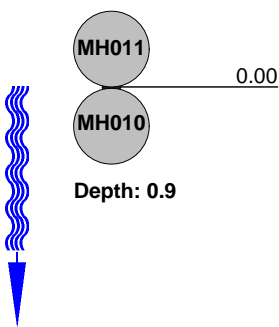
Photo: 27\_27\_111\_A.JPG  
 1.72m, Finish node type, outfall reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>27</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH011 (D/S) MH010</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH011</b> <b>0.8</b> <b>MH010</b> <b>0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>0.01 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b>		

Comment :

1:50 Depth: 0.8	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH011	28_28_112_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**27**

 PLR Suffix :  
**X**


Photo: 28\_28\_113\_A.JPG  
 -0.01m, Water level, 0% of the vertical dimension

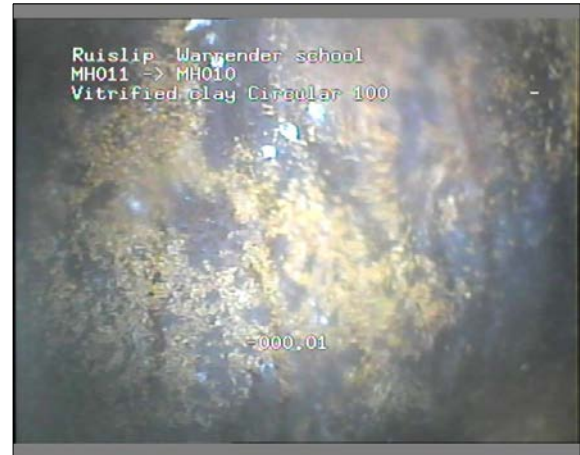


Photo: 28\_28\_114\_A.JPG  
 -0.01m, Finish node type, manhole reference number: MH010

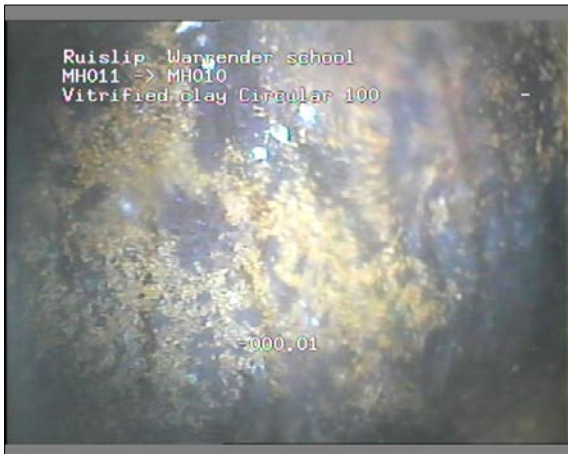


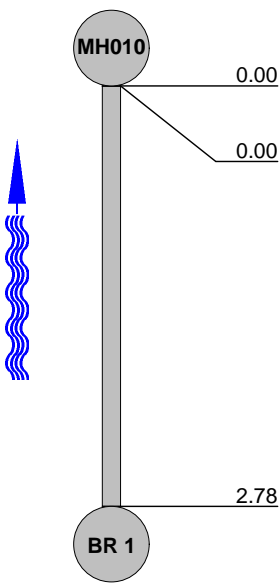
Photo: 28\_28\_112\_A.JPG  
 0m, Start node type, manhole, reference number : MH011

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>28</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH010 (U/S) BR 1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>  <b>2.78 m</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 1</b>  <b>MH010</b> <b>0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>2.78 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b>  		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	29_29_115_A.JPG
	0.00	Water level, 0% of the vertical dimension	29_29_116_A.JPG
	2.78	Finish node type, outfall reference number: BR 1	29_29_117_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**28**

 PLR Suffix :  
**X**


Photo: 29\_29\_115\_A.JPG  
 0m, Start node type, manhole, reference number : MH010



Photo: 29\_29\_116\_A.JPG  
 0m, Water level, 0% of the vertical dimension



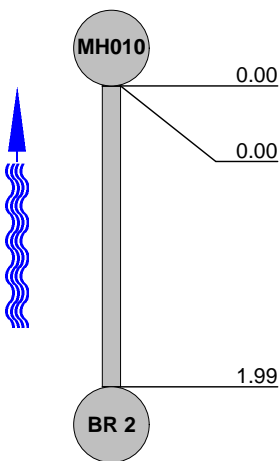
Photo: 29\_29\_117\_A.JPG  
 2.78m, Finish node type, outfall reference number: BR 1

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>29</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH010 (U/S) BR 2</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 2</b> <b>MH010</b> <b>0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>1.99 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b>		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	30_30_118_A.JPG
	0.00	Water level, 0% of the vertical dimension	30_30_119_A.JPG
	1.99	Finish node type, outfall reference number: BR 2	30_30_120_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



### Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>29</b>	PLR Suffix : <b>X</b>
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Photo: 30\_30\_118\_A.JPG  
 0m, Start node type, manhole, reference number : MH010



Photo: 30\_30\_119\_A.JPG  
 0m, Water level, 0% of the vertical dimension



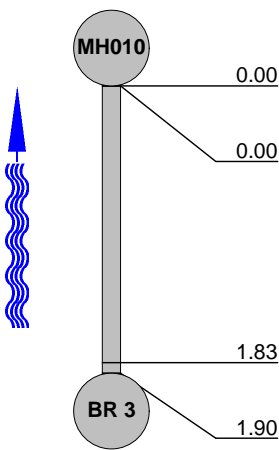
Photo: 30\_30\_120\_A.JPG  
 1.99m, Finish node type, outfall reference number: BR 2

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>30</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip</b> <b>Warrender school</b> <b>Property with buildings</b> <b>MH010 (U/S) BR 3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 3</b> <b>MH010</b> <b>0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul</b> <b>1960S</b> <b>Routine inspection of condition</b> <b>1.90 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm</b> <b>100 mm</b> <b>Vitrified clay</b>		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	31_31_121_A.JPG
	0.00	Water level, 0% of the vertical dimension	31_31_122_A.JPG
	1.83	Line deviates up	31_31_123_A.JPG
	1.90	Finish node type, outfall reference number: BR 3	31_31_124_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**Ruislip**

Road :  
**Warrender school**

Date :  
**08/12/2016**

Section number :  
**30**

PLR Suffix :  
**X**



Photo: 31\_31\_121\_A.JPG  
0m, Start node type, manhole, reference number : MH010



Photo: 31\_31\_122\_A.JPG  
0m, Water level, 0% of the vertical dimension



Photo: 31\_31\_123\_A.JPG  
1.83m, Line deviates up

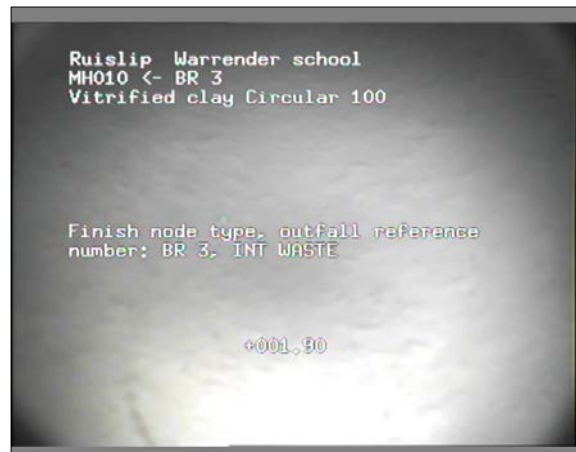


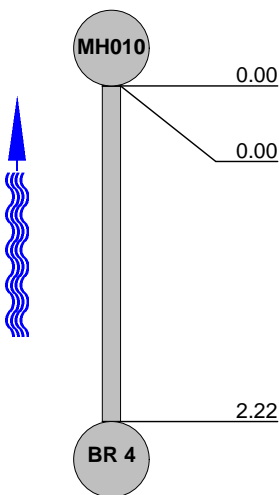
Photo: 31\_31\_124\_A.JPG  
1.9m, Finish node type, outfall reference number: BR 3

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>31</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH010 (U/S) BR 4</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 4 MH010 0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 2.22 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	32_32_125_A.JPG
	0.00	Water level, 0% of the vertical dimension	32_32_126_A.JPG
	2.22	Finish node type, outfall reference number: BR 4	32_32_127_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**Ruislip**

 Road :  
**Warrender school**

 Date :  
**08/12/2016**

 Section number :  
**31**

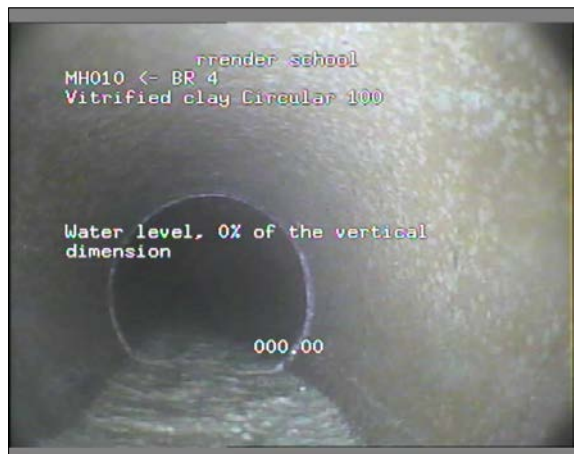
 PLR Suffix :  
**X**


Photo: 32\_32\_125\_A.JPG  
 0m, Start node type, manhole, reference number : MH010



Photo: 32\_32\_126\_A.JPG  
 0m, Water level, 0% of the vertical dimension

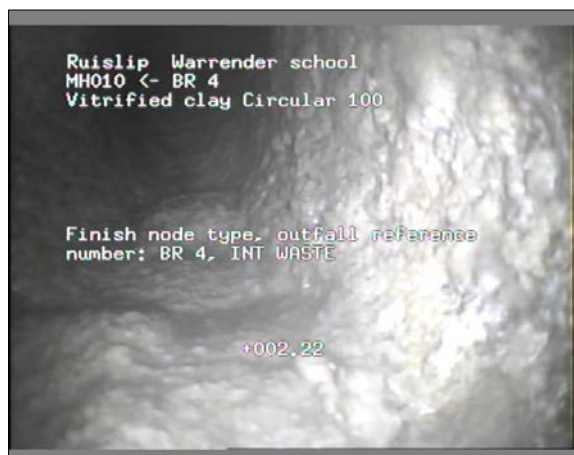


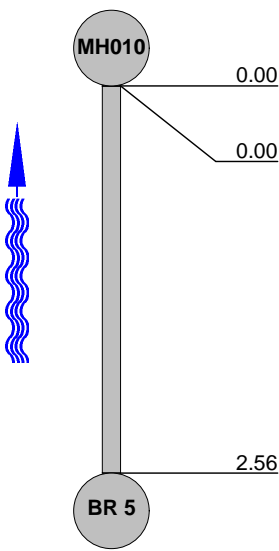
Photo: 32\_32\_127\_A.JPG  
 2.22m, Finish node type, outfall reference number: BR 4

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>32</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH010 (U/S) BR 5</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 5 BR 5 MH010 0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 2.56 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	33_33_128_A.JPG
	0.00	Water level, 0% of the vertical dimension	33_33_129_A.JPG
	2.56	Finish node type, outfall reference number: BR 5	33_33_130_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>32</b>	PLR Suffix : <b>X</b>
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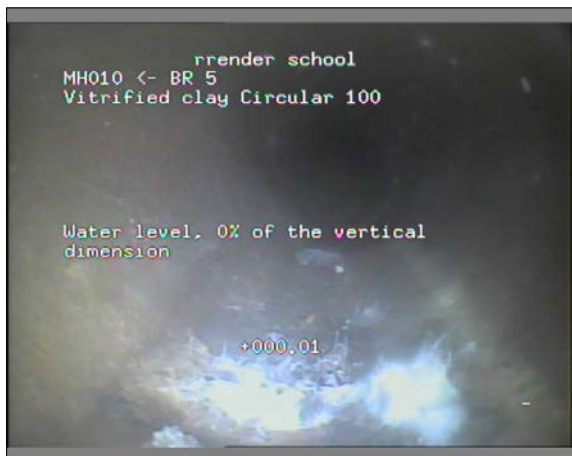


Photo: 33\_33\_128\_A.JPG  
0m, Start node type, manhole, reference number : MH010



Photo: 33\_33\_129\_A.JPG  
0m, Water level, 0% of the vertical dimension

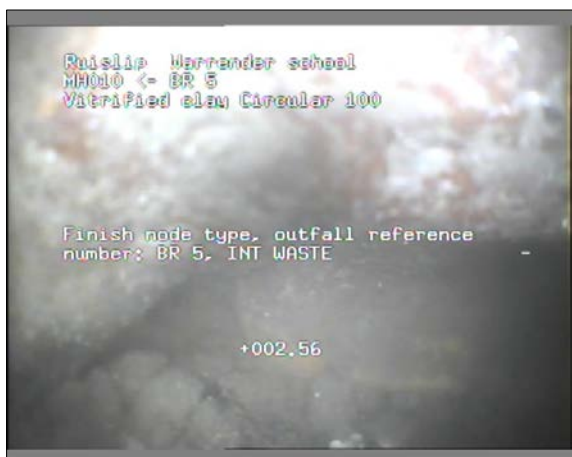


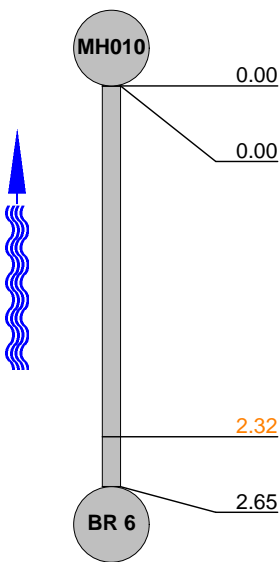
Photo: 33\_33\_130\_A.JPG  
2.56m, Finish node type, outfall reference number: BR 5

## Inspection report

Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>33</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>Ruislip Warrender school Property with buildings MH010 (U/S) BR 6</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR 6 MH010 0.9</b>
Use: Year laid : Purpose : Total length :	<b>Foul 1960S Routine inspection of condition 2.65 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>100 mm 100 mm Vitrified clay</b>		

Comment :

1:50 Depth: 0.9	Position	Observation	Photo
	0.00	Start node type, manhole, reference number : MH010	34_34_131_A.JPG
	0.00	Water level, 0% of the vertical dimension	34_34_132_A.JPG
	2.32	Settled deposits, fine, 20% cross-sectional area loss	34_34_133_A.JPG
	2.65	Finish node type, outfall reference number: BR 6	34_34_134_A.JPG

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	2	0.75	2	3



## Inspection pictures

Place :  
**Ruislip**Road :  
**Warrender school**Date :  
**08/12/2016**Section number :  
**33**PLR Suffix :  
**X**

Photo: 34\_34\_131\_A.JPG  
 0m, Start node type, manhole, reference number : MH010



Photo: 34\_34\_132\_A.JPG  
 0m, Water level, 0% of the vertical dimension

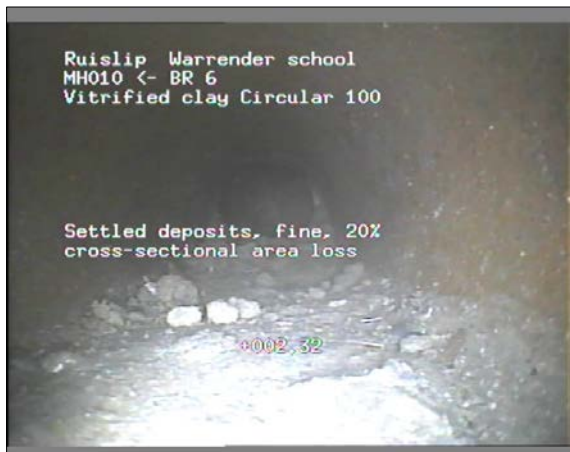


Photo: 34\_34\_133\_A.JPG  
 2.32m, Settled deposits, fine, 20% cross-sectional area loss

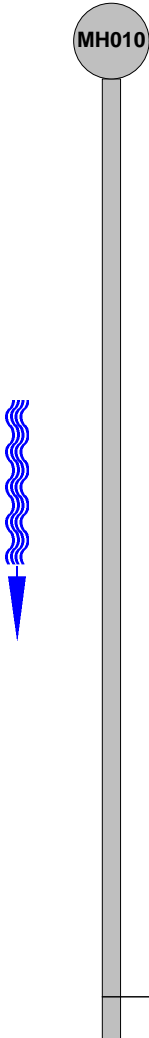


Photo: 34\_34\_134\_A.JPG  
 2.65m, Finish node type, outfall reference number: BR 6

## Inspection report



Date : <b>08/12/2016</b>	Job number :	Section Type :	Operator : <b>IAN HALE</b>	Section number : <b>34</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Location details: Catchment:	U/S MH : <b>MH010</b>
Location <b>Property with buildings</b>	Inspection <b>MH010 (D/S) MH011</b>	Pipe Shape : <b>Circular</b>	U/S Depth : <b>0.9</b>
Use: <b>Foul</b>	Year laid : <b>1960S</b>	Pipe Length	D/S MH : <b>MH011</b>
Purpose : <b>Routine inspection of condition</b>	Total length : <b>25.08 m</b>	Pipe Width : <b>150 mm</b>	D/S Depth : <b>0.8</b>
Lining : <b>Vitrified clay</b>		Comment :	

1:195 Position Depth: 0.9	Observation	Photo
	Finish node type, manhole reference number: MH011	35_35_137_A.JPG

## Inspection Report

Date : <b>08/12/2016</b>	Job number :	Weather : <b>no rain or snow</b>	Operator : <b>IAN HALE</b>	Section number : <b>34</b>	PLR : <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>no</b>	Grade:

1:195	Position	Observation	Photo						
									
<p><b>Depth: 0.8</b></p>									
STR no def <b>0</b>	STR peak <b>0</b>	STR mean <b>0</b>	STR total <b>0</b>	STR grade <b>1</b>	SER no def <b>0</b>	SER peak <b>0</b>	SER mean <b>0</b>	SER total <b>0</b>	SER grade <b>1</b>

## Inspection pictures

Place : <b>Ruislip</b>	Road : <b>Warrender school</b>	Date : <b>08/12/2016</b>	Section number : <b>34</b>	PLR Suffix : <b>X</b>
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Photo: 35\_35\_136\_A.JPG  
-1.4m, Water level, 0% of the vertical dimension



Photo: 35\_35\_135\_A.JPG  
-0.56m, Start node type, manhole, reference number : MH010



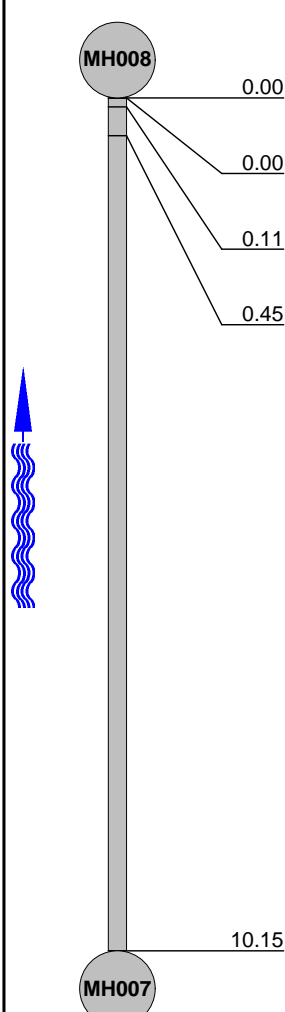
Photo: 35\_35\_137\_A.JPG  
23.68m, Finish node type, manhole reference number: MH011

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>35</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH008 (U/S) MH007</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH007  MH008</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 10.15 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:90	Position	Observation	Photo						
		Start node type, manhole, reference number : MH008	36_36_139_A.jpg						
	0.00	Water level, 0% of the vertical dimension							
	0.11	Water level, 20% of the vertical dimension							
	0.45	Water level, 10% of the vertical dimension							
	10.15	Finish node type, manhole reference number: MH007	36_36_142_A.jpg						
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**35**

PLR Suffix :  
**X**



Photo: 36\_36\_139\_A.jpg  
0m, Start node type, manhole, reference number : MH008



Photo: 36\_36\_142\_A.jpg  
10.15m, Finish node type, manhole reference number: MH007

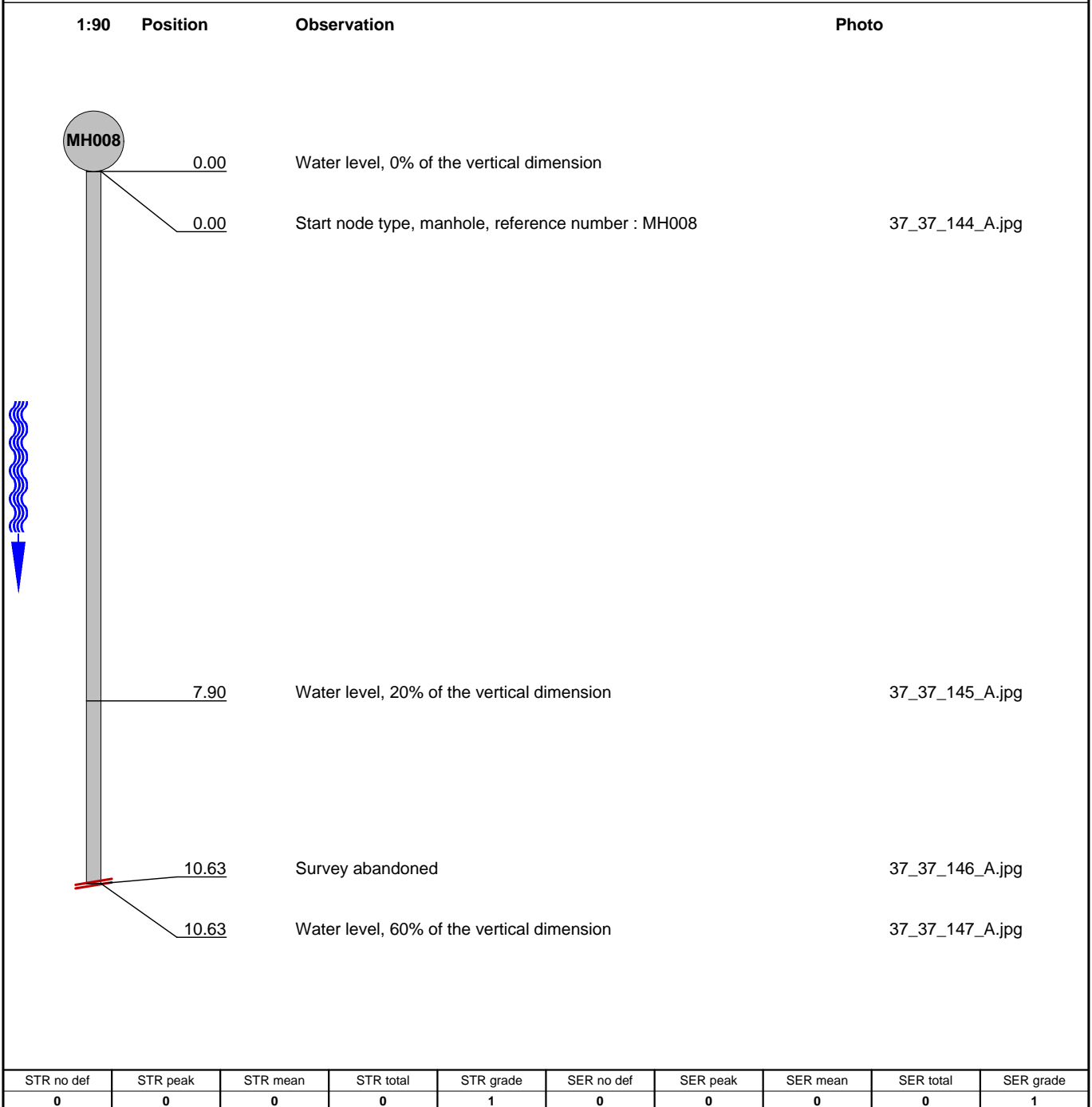
## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>36</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH008 (D/S) MH012</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>MH008</b> U/S Depth : D/S MH : <b>MH012</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>10.63 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:90	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH008	37_37_144_A.jpg
	7.90	Water level, 20% of the vertical dimension	37_37_145_A.jpg
	10.63	Survey abandoned	37_37_146_A.jpg
	10.63	Water level, 60% of the vertical dimension	37_37_147_A.jpg



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**36**

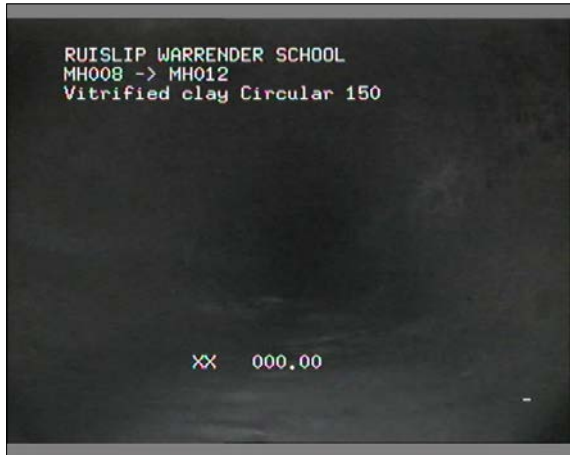
 PLR Suffix :  
**X**


Photo: 37\_37\_144\_A.jpg  
 0m, Start node type, manhole, reference number : MH008



Photo: 37\_37\_145\_A.jpg  
 7.9m, Water level, 20% of the vertical dimension

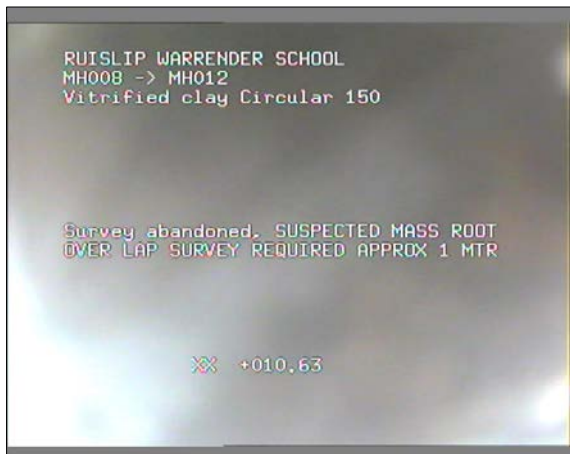


Photo: 37\_37\_146\_A.jpg  
 10.63m, Survey abandoned

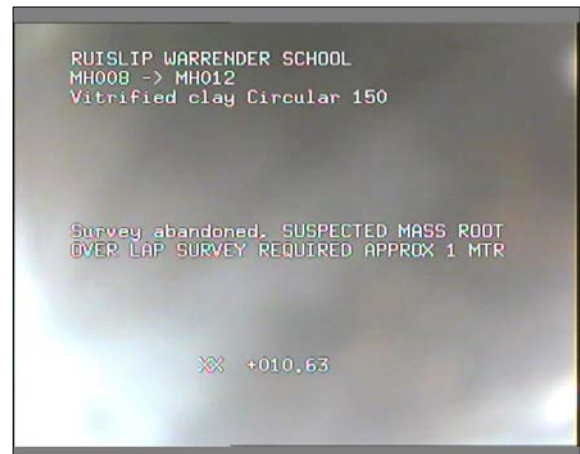


Photo: 37\_37\_147\_A.jpg  
 10.63m, Water level, 60% of the vertical dimension

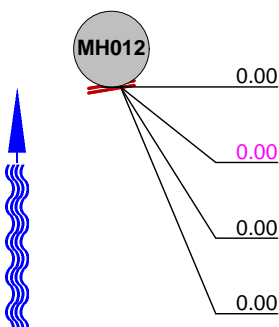


## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>37</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH012 (U/S) MH008</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH008  MH012</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 0.00 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
	0.00	Settled deposits, fine, 60% cross-sectional area loss	
	0.00	Start node type, manhole, reference number : MH012	38_38_150_A.jpg
	0.00	Survey abandoned	38_38_151_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	8	0	8	4

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**37**

PLR Suffix :  
**X**



Photo: 38\_38\_150\_A.jpg  
0m, Start node type, manhole, reference number : MH012



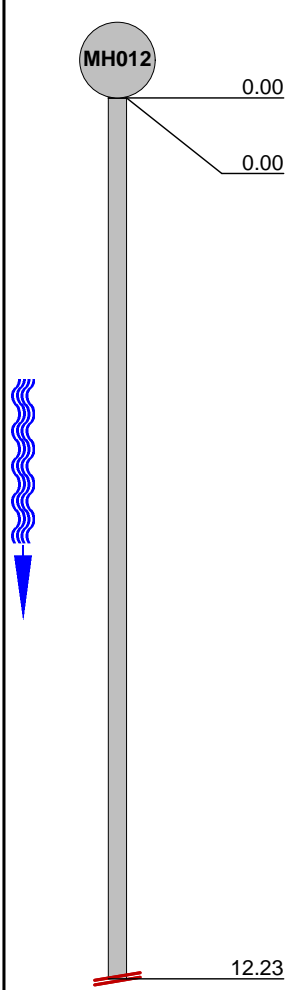
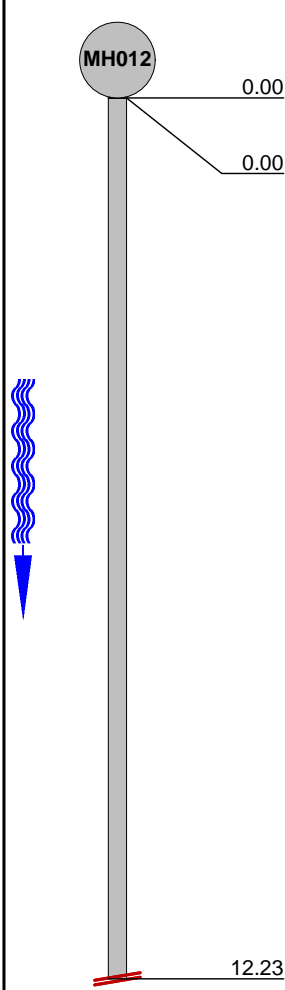
Photo: 38\_38\_151\_A.jpg  
0m, Survey abandoned

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>38</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH012 (D/S) MH017</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>MH012</b> U/S Depth : D/S MH : <b>MH017</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>45.50 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:105	Position	Observation	Photo
		Start node type, manhole, reference number : MH012  Water level, 0% of the vertical dimension	39_39_153_A.jpg
		Survey abandoned	39_39_154_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**38**

PLR Suffix :  
**X**



Photo: 39\_39\_153\_A.jpg  
0m, Start node type, manhole, reference number : MH012



Photo: 39\_39\_154\_A.jpg  
12.23m, Survey abandoned

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>39</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH020 (D/S) MH019</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH020  MH019</b>
Use: Year laid : Purpose : Total length :	<b>Foul  Sample survey to determine asset condition 45.68 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:360	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH010	40_40_156_A.jpg
	45.68	Survey abandoned	40_40_157_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**39**

 PLR Suffix :  
**X**


Photo: 40\_40\_156\_A.jpg  
 0m, Start node type, manhole, reference number : MH010



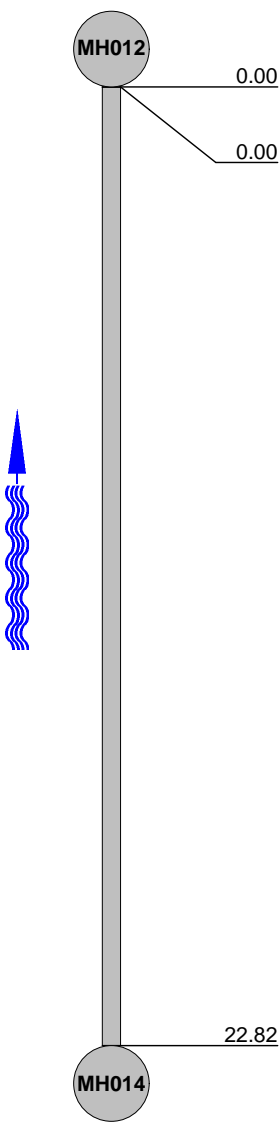
Photo: 40\_40\_157\_A.jpg  
 45.68m, Survey abandoned

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>40</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH012 (U/S) MH014</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH014  MH012</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 22.82 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:180	Position	Observation	Photo						
		<p>Start node type, manhole, reference number : MH012</p> <p>Water level, 0% of the vertical dimension</p> <p>Finish node type, manhole reference number: MH014</p>	<p>41_41_159_A.jpg</p> <p>41_41_160_A.jpg</p>						
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**40**

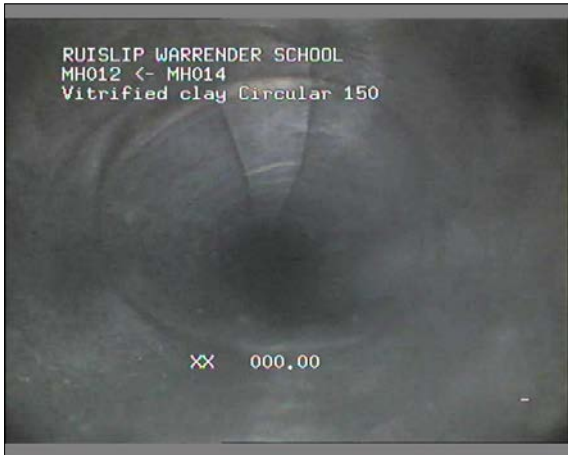
 PLR Suffix :  
**X**


Photo: 41\_41\_159\_A.jpg  
 0m, Start node type, manhole, reference number : MH012



Photo: 41\_41\_160\_A.jpg  
 22.82m, Finish node type, manhole reference number: MH014



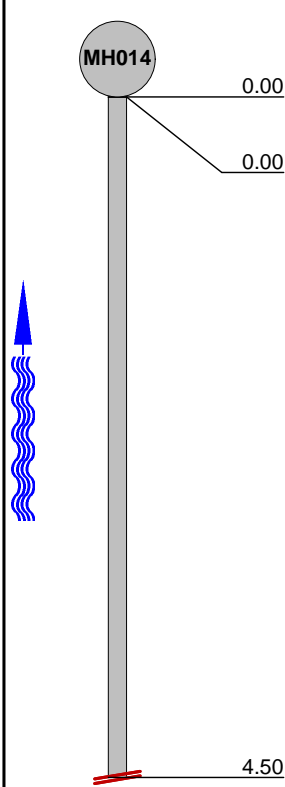
## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>41</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH014 (U/S) RWP</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>RWP MH014</b>
Use: Year laid : Purpose : Total length :	<b>Surface water Sample survey to determine asset condition 4.50 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:50	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	42_42_162_A.jpg
	4.50	Survey abandoned	42_42_164_A.jpg



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**41**

PLR Suffix :  
**X**



Photo: 42\_42\_162\_A.jpg  
0m, Start node type, manhole, reference number : MH014




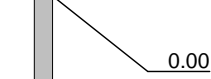
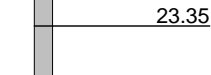
Photo: 42\_42\_164\_A.jpg  
4.5m, Survey abandoned

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>42</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

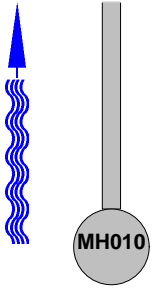
Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH020 (U/S) MH010</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>MH010</b> U/S Depth : D/S MH : <b>MH020</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determine asset condition</b> <b>30.10 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:195	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
		Start node type, manhole, reference number : MH020	43_43_166_A.jpg
		Finish node type, manhole reference number: MH010	43_43_167_A.jpg

## Inspection Report

Date : <b>12/12/2016</b>	Job number :	Weather : <b>no rain or snow</b>	Operator : <b>STUART</b>	Section number : <b>42</b>	PLR : <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Grade:

1:195	Position	Observation	Photo						
									
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**42**

 PLR Suffix :  
**X**


Photo: 43\_43\_166\_A.jpg  
 0m, Start node type, manhole, reference number : MH020



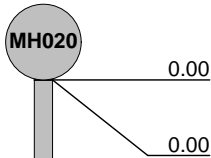

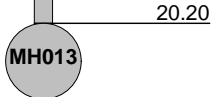
Photo: 43\_43\_167\_A.jpg  
 23.35m, Finish node type, manhole reference number: MH010

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>43</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH020 (U/S) MH013</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH013  MH020</b>
Use: Year laid : Purpose : Total length :	<b>Foul  Sample survey to determine asset condition 20.20 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:165	Position	Observation	Photo
		Water level, 10% of the vertical dimension	
		Start node type, manhole, reference number : MH020	44_44_169_A.jpg
		Finish node type, manhole reference number: MH013	44_44_170_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**43**

PLR Suffix :  
**X**



Photo: 44\_44\_169\_A.jpg  
0m, Start node type, manhole, reference number : MH020



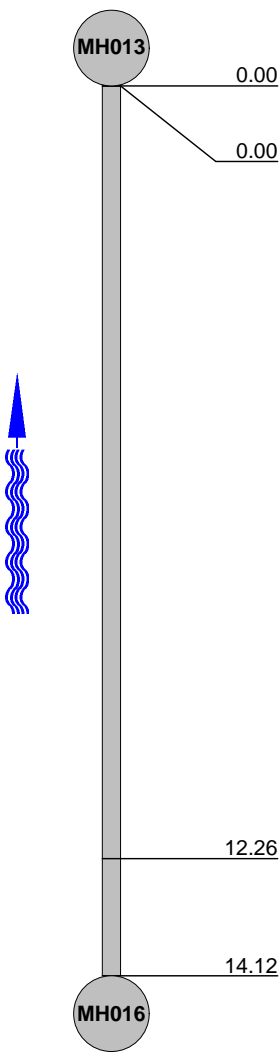
Photo: 44\_44\_170\_A.jpg  
20.2m, Finish node type, manhole reference number: MH013

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>44</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH013 (U/S) MH016</b>	Location details: Catchment: Pipe Shape : Pipe Length		<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH016  MH013</b>
Use: Year laid : Purpose : Total length :	<b>Foul  Sample survey to determine asset condition 14.12 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>			

Comment :

1:120	Position	Observation	Photo						
		Water level, 0% of the vertical dimension							
	0.00	Start node type, manhole, reference number : MH013	45_45_172_A.jpg						
	12.26	Water level, 15% of the vertical dimension	45_45_173_A.jpg						
	14.12	Finish node type, manhole reference number: MH016	45_45_174_A.jpg						
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**44**

 PLR Suffix :  
**X**


Photo: 45\_45\_172\_A.jpg  
 0m, Start node type, manhole, reference number : MH013



Photo: 45\_45\_173\_A.jpg  
 12.26m, Water level, 15% of the vertical dimension



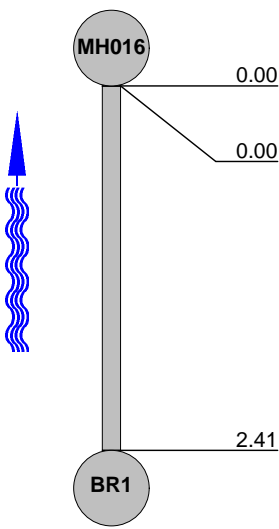
Photo: 45\_45\_174\_A.jpg  
 14.12m, Finish node type, manhole reference number: MH016

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>45</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH016 (U/S) BR1</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR1 MH016</b>
Use: Year laid : Purpose : Total length :	<b>Foul Sample survey to determine asset condition 2.41 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH016	46_46_176_A.jpg
	2.41	Finish node type, manhole reference number: BR1	46_46_177_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**45**

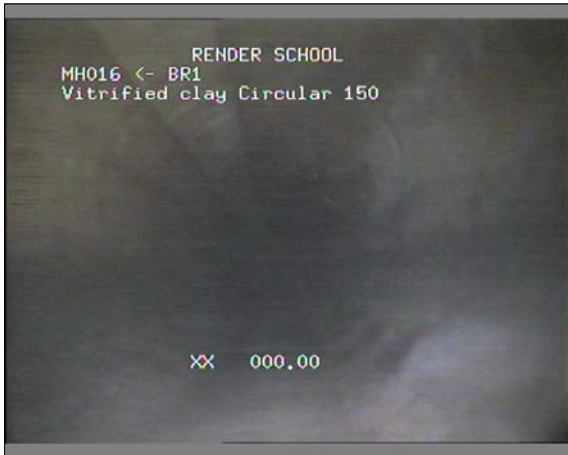
 PLR Suffix :  
**X**


Photo: 46\_46\_176\_A.jpg  
 0m, Start node type, manhole, reference number : MH016

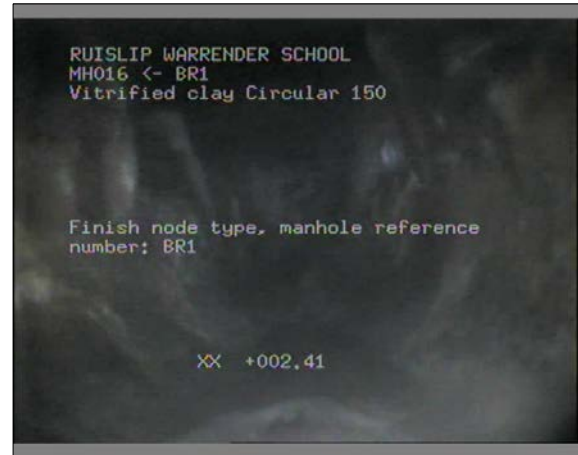


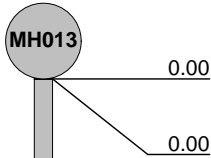
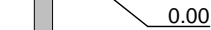
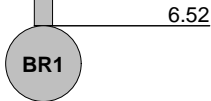
Photo: 46\_46\_177\_A.jpg  
 2.41m, Finish node type, manhole reference number: BR1

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>46</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH013 (U/S) BR1</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>BR1</b> U/S Depth : D/S MH : <b>MH013</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determine asset condition</b> <b>6.52 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:60	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
		Start node type, manhole, reference number : MH013	47_47_179_A.jpg
		Finish node type, manhole reference number: BR1	47_47_180_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**46**

PLR Suffix :  
**X**



Photo: 47\_47\_179\_A.jpg  
0m, Start node type, manhole, reference number : MH013

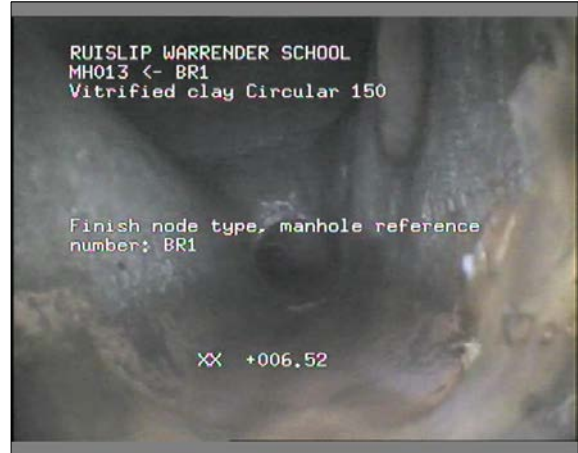


Photo: 47\_47\_180\_A.jpg  
6.52m, Finish node type, manhole reference number: BR1

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>47</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH014 (U/S) BR1</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>BR1</b> U/S Depth : D/S MH : <b>MH014</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>10.09 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:90	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	48_48_182_A.jpg
	10.09	Joint displaced, medium	48_48_183_A.jpg
	10.09	Survey abandoned	48_48_184_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**47**

PLR Suffix :  
**X**



Photo: 48\_48\_182\_A.jpg  
0m, Start node type, manhole, reference number : MH014



Photo: 48\_48\_183\_A.jpg  
10.09m, Joint displaced, medium



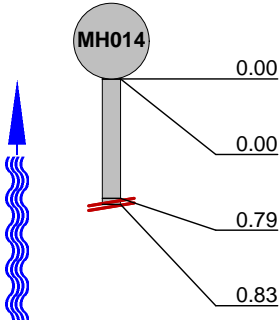
Photo: 48\_48\_184\_A.jpg  
10.09m, Survey abandoned

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>48</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH014 (U/S) BR2</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>BR2</b> U/S Depth : D/S MH : <b>MH014</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>0.83 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b> 

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	49_49_186_A.jpg
	0.79	Water level, 20% of the vertical dimension	
	0.83	Survey abandoned	49_49_188_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1



### Inspection pictures

Place : <b>RUISLIP</b>	Road : <b>WARRENDER SCHOOL</b>	Date : <b>12/12/2016</b>	Section number : <b>48</b>	PLR Suffix : <b>X</b>
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Photo: 49\_49\_186\_A.jpg  
0m, Start node type, manhole, reference number : MH014



Photo: 49\_49\_188\_A.jpg  
0.83m, Survey abandoned

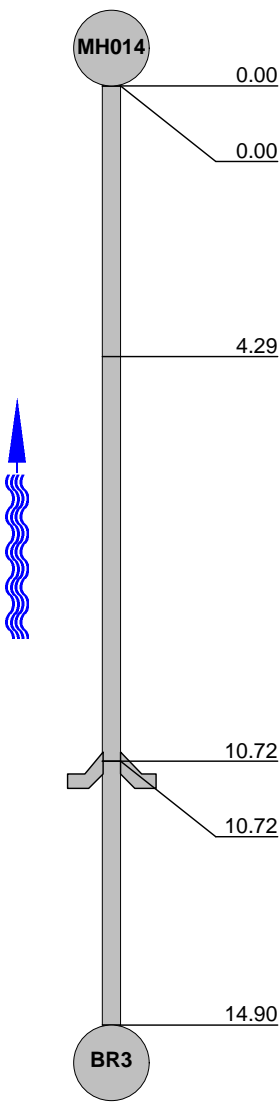
## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>49</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH014 (U/S) BR3</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>BR3  MH014</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 14.90 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:120	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	50_50_190_A.jpg
	4.29	Line deviates right	50_50_191_A.jpg
	10.72	Junction, at 3 o'clock, diameter 100mm	50_50_192_A.jpg
	10.72	Junction, at 9 o'clock, diameter 100mm	50_50_193_A.jpg
	14.90	Finish node type, manhole reference number: BR3	50_50_194_A.jpg



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**49**

 PLR Suffix :  
**X**


Photo: 50\_50\_190\_A.jpg  
 0m, Start node type, manhole, reference number : MH014



Photo: 50\_50\_191\_A.jpg  
 4.29m, Line deviates right



Photo: 50\_50\_192\_A.jpg  
 10.72m, Junction, at 3 o'clock, diameter 100mm



Photo: 50\_50\_193\_A.jpg  
 10.72m, Junction, at 9 o'clock, diameter 100mm

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**12/12/2016**

 Section number :  
**49**

 PLR Suffix :  
**X**


Photo: 50\_50\_194\_A.jpg  
 14.9m, Finish node type, manhole reference number: BR3

## Inspection report

Date : <b>12/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>50</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH014 (U/S) BR4</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>BR4</b> U/S Depth : D/S MH : <b>MH014</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>10.59 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:90	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	51_51_196_A.jpg
	3.72	Line deviates left	
	10.59	Finish node type, major connection without manhole reference number: BR4	51_51_198_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**12/12/2016**

Section number :  
**50**

PLR Suffix :  
**X**

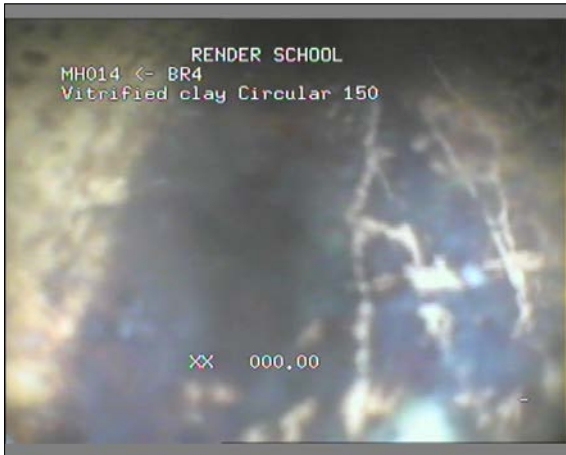


Photo: 51\_51\_196\_A.jpg  
0m, Start node type, manhole, reference number : MH014



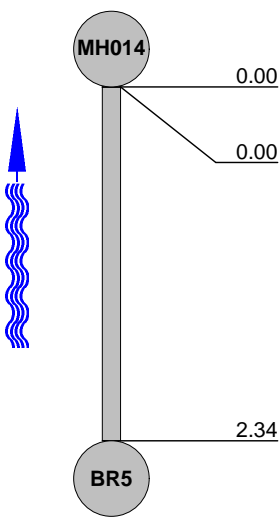
Photo: 51\_51\_198\_A.jpg  
10.59m, Finish node type, major connection without manhole  
reference number: BR4

## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>51</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH014 (U/S) BR5</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>BR5</b> U/S Depth : D/S MH : <b>MH014</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>2.34 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : MH014	52_52_200_A.jpg
	2.34	Finish node type, major connection without manhole reference number: BR5	52_52_201_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**13/12/2016**

 Section number :  
**51**

 PLR Suffix :  
**X**


Photo: 52\_52\_200\_A.jpg  
 0m, Start node type, manhole, reference number : MH014



Photo: 52\_52\_201\_A.jpg  
 2.34m, Finish node type, major connection without manhole reference number: BR5



## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>52</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH018 (U/S) MH012</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH012  MH018</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 15.38 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:135	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	53_53_202_A.jpg
	0.00	Start node type, manhole, reference number : MH018	
	15.38	Finish node type, major connection without manhole reference number: MH012	53_53_204_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**13/12/2016**

Section number :  
**52**

PLR Suffix :  
**X**

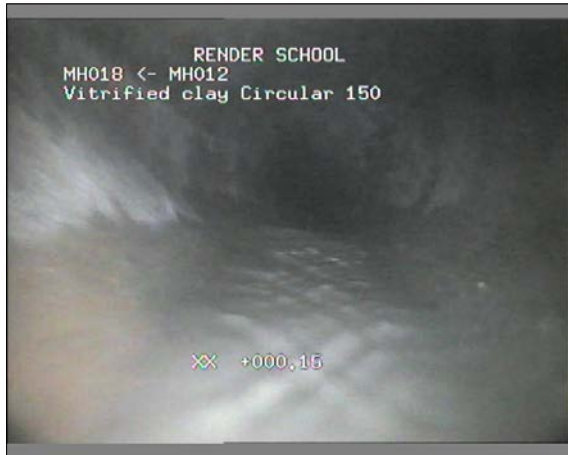


Photo: 53\_53\_202\_A.jpg  
0m, Water level, 0% of the vertical dimension



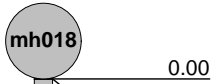

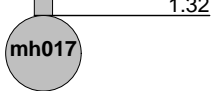
Photo: 53\_53\_204\_A.jpg  
15.38m, Finish node type, major connection without manhole reference number: MH012

## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>53</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>mh018 (U/S) mh017</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>mh017</b> U/S Depth : D/S MH : <b>mh018</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determine asset condition</b> <b>1.32 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	
		Start node type, manhole, reference number : mh018	54_54_206_A.jpg
		Finish node type, manhole reference number: mh017	54_54_207_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**13/12/2016**

Section number :  
**53**

PLR Suffix :  
**X**



Photo: 54\_54\_206\_A.jpg  
0m, Start node type, manhole, reference number : mh018



Photo: 54\_54\_207\_A.jpg  
1.32m, Finish node type, manhole reference number: mh017

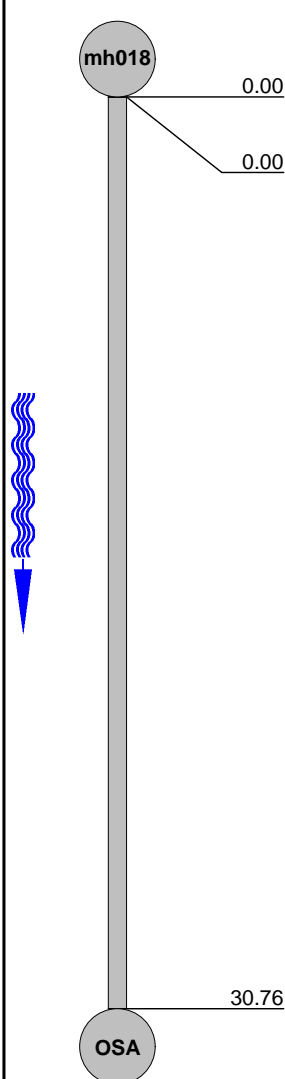
## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>54</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings mh018 (D/S) OSA</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>mh018  OSA</b>
Use: Year laid : Purpose : Total length :	<b>Surface water  Sample survey to determine asset condition 30.76 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:255	Position	Observation	Photo
	0.00	Water level, 0% of the vertical dimension	
	0.00	Start node type, manhole, reference number : mh018	55_55_209_A.jpg
	30.76	Finish node type, outfall reference number: OSA	55_55_210_A.jpg



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

Place :  
**RUISLIP**

Road :  
**WARRENDER SCHOOL**

Date :  
**13/12/2016**

Section number :  
**54**

PLR Suffix :  
**X**

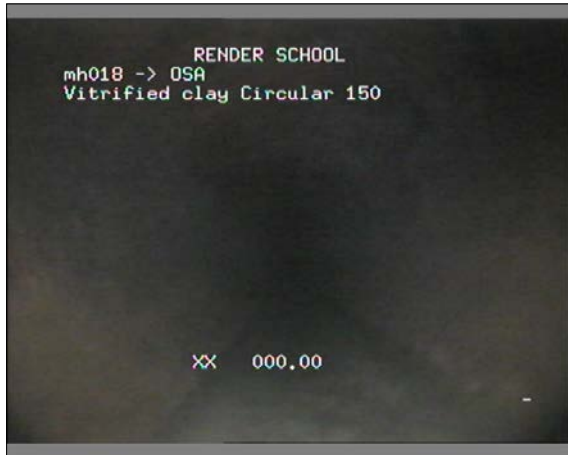


Photo: 55\_55\_209\_A.jpg  
0m, Start node type, manhole, reference number : mh018



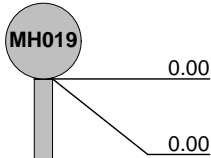
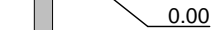
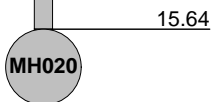
Photo: 55\_55\_210\_A.jpg  
30.76m, Finish node type, outfall reference number: OSA

## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>55</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>MH019 (U/S) MH020</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>MH020</b> U/S Depth : D/S MH : <b>MH019</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determine asset condition</b> <b>15.64 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:135	Position	Observation	Photo
		Water level, 10% of the vertical dimension	
		Start node type, manhole, reference number : MH019	56_56_212_A.jpg
		Finish node type, outfall reference number: MH020	56_56_213_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**13/12/2016**

 Section number :  
**55**

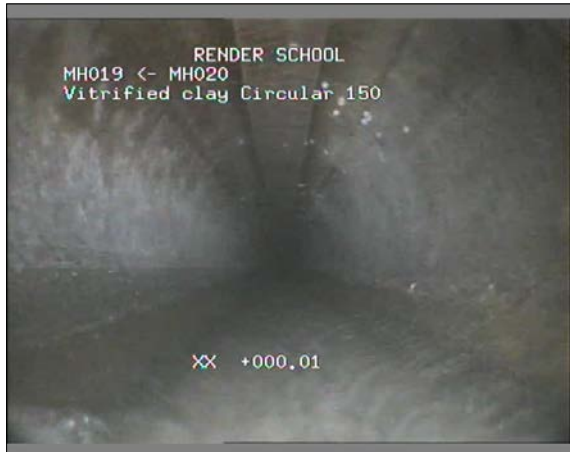
 PLR Suffix :  
**X**


Photo: 56\_56\_212\_A.jpg  
 0m, Start node type, manhole, reference number : MH019



Photo: 56\_56\_213\_A.jpg  
 15.64m, Finish node type, outfall reference number: MH020

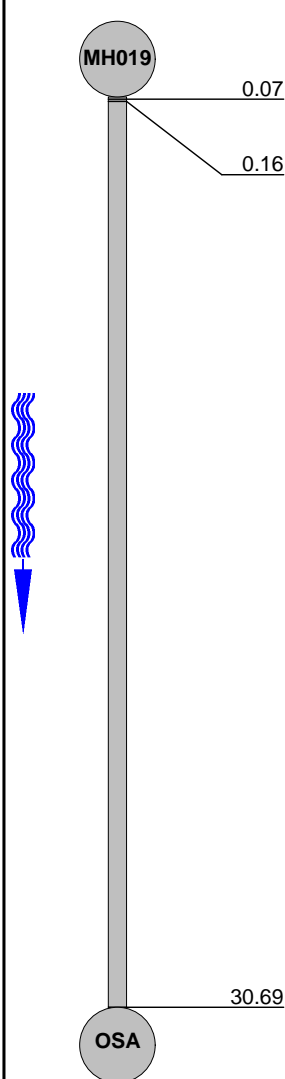


## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>56</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP WARRENDER SCHOOL Property with buildings MH019 (D/S) OSA</b>	Location details: Catchment: Pipe Shape : Pipe Length	<b>Circular</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>MH019  OSA</b>
Use: Year laid : Purpose : Total length :	<b>Foul  Sample survey to determine asset condition 30.69 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm 150 mm Vitrified clay</b>		

Comment :

1:255	Position	Observation	Photo						
		<p>Start node type, manhole, reference number : MH019</p> <p>Water level, 10% of the vertical dimension</p> <p>Finish node type, outfall reference number: OSA</p>	<p>57_57_214_A.jpg</p> <p>57_57_216_A.jpg</p>						
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**13/12/2016**

 Section number :  
**56**

 PLR Suffix :  
**X**


Photo: 57\_57\_214\_A.jpg  
 0.07m, Start node type, manhole, reference number : MH019



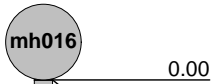


Photo: 57\_57\_216\_A.jpg  
 30.69m, Finish node type, outfall reference number: OSA

## Inspection report

Date : <b>13/12/2016</b>	Job number :	Section Type :	Operator : <b>STUART</b>	Section number : <b>57</b>	PLR SUFFIX: <b>X</b>
Weather <b>no rain or snow</b>	Vehicle :	Camera :	Preset :	Cleaned : <b>yes</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place : Road : Location Inspection	<b>RUISLIP</b> <b>WARRENDER SCHOOL</b> <b>Property with buildings</b> <b>mh016 (U/S) br1</b>	Location details: Catchment: Pipe Shape : <b>Circular</b> Pipe Length	U/S MH : <b>br1</b> U/S Depth : D/S MH : <b>mh016</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determine asset condition</b> <b>2.40 m</b>	Pipe Width : Pipe Diameter : Pipe material : Lining :	<b>150 mm</b> <b>150 mm</b> <b>Vitrified clay</b>

Comment :

1:50	Position	Observation	Photo
		Water level, 0% of the vertical dimension	58_58_217_A.jpg
		Start node type, manhole, reference number : mh016	
		Finish node type, major connection without manhole reference number: br1	58_58_219_A.jpg

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

## Inspection pictures

 Place :  
**RUISLIP**

 Road :  
**WARRENDER SCHOOL**

 Date :  
**13/12/2016**

 Section number :  
**57**

 PLR Suffix :  
**X**


Photo: 58\_58\_217\_A.jpg  
 0m, Water level, 0% of the vertical dimension



Photo: 58\_58\_219\_A.jpg  
 2.4m, Finish node type, major connection without manhole  
 reference number: br1

## Report Information

This page can be edited to contain any information you feel is necessary.

A disclaimer.

Any terms and conditions

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