Grade Defect Report

	Town or Village	Street	Upstream MH	Downstream MH	Use	Inspection dir.	Observation	Grade
1	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Line deviates left, quarter	0
2	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Material changes, vitrified cl	0
3	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Junction, at 2 o'clock, diame	0
4	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Finish node type, manhole r	0
5	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Connection other than juncti	0
6	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Material changes, cast iron	0
7	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Start node type, manhole, re	0
8	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Vermin, rat	0
9	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Connection other than juncti	0
10	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Junction, at 12 o'clock, diam	0
11	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Connection other than juncti	0
12	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Line deviates left, quarter, E	0
13	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Junction, at 2 o'clock, diame	0
14	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Water level, 20% of the verti	0
15	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Water level, 10% of the verti	0
16	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Finish node type, manhole r	0
17	london	SOUTHWOOD LANE	MH3	MH4	Combined	MH4 (U/S) MH3	Start node type, manhole, re	0
18	london	SOUTHWOOD LANE	MH3	MH4	Combined	MH4 (U/S) MH3	Water level, 0% of the vertic	0
19	london	SOUTHWOOD LANE	MH3	MH4	Combined	MH4 (U/S) MH3	Finish node type, manhole r	0
20	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Start node type, manhole, re	0
21	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Water level, 5% of the vertic	0
22	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Line deviates right, quarter	0
23	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Line deviates down, full	0
24	london	SOUTHWOOD LANE	MH4	MAIN	Combined	MH4 (D/S) MAIN	Line deviates right, quarter	0
25	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Line deviates left, quarter, St	0
26	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 3 o'cl	2
27	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
28	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 11 o'c	2
29	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
30	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine, End	2
31	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine, Start	2
32	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint	2
33	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint	2
34	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 3 o'cl	2
35	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
36	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, circumferential, from	2
37	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
38	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint	2
39	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Deformed sewer/drain, 5%	2

Grade Defect Report

	Town or Village	Street	Upstream MH	Downstream MH	Use	Inspection dir.	Observation	Grade
40	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 8 o'cl	2
41	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 2 o'cl	2
42	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 10 o'c	2
43	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine, Start	2
44	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Settled deposits, fine, 5% cr	2
45	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine, End	2
46	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint	2
47	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint, Start	2
48	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Roots, fine at joint, End	2
49	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
50	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 12 o'c	2
51	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Crack, longitudinal, at 8 o'cl	2
52	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, longitudinal, at 12	3
53	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, longitudinal, at 2 o'	3
54	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, circumferential at j	3
55	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, longitudinal, at 12	3
56	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, longitudinal, at 3 o'	3
57	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, longitudinal, at 12	3
58	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Settled deposits, coarse, 10	3
59	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Fracture, circumferential at j	3
60	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Broken pipe, from 2 to 4 o'cl	4
61	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Broken pipe at joint, from 3 t	4
62	london	SOUTHWOOD LANE	MH1	MH2	Combined	MH1 (D/S) MH2	Hole in drain/sewer, at 12 o'	4

Sewer Surveys UK LTD

Job Number: 13/235		Survey By: PR
Grid Ref: TQ2841487580	Node Number: MH01	Cover Level: 119.3
Location: Southwood Lane, London		
Year Laid: Z	Status: PR	Function: FW	Node Type:	Survey Date: 06/01/14
Manufacturer:				Grating:

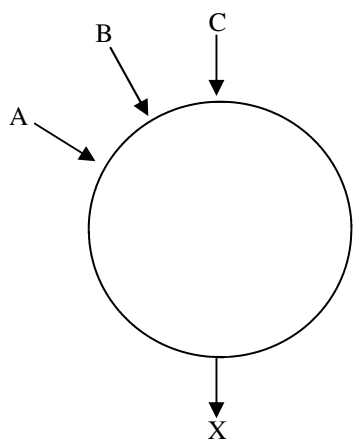
COVER	Shape: DT	Hinged: N	Lockable: N	Duty:	Size:600 x 600	Toxic atmos: N
SHAFT	Side Entry:	Regulating Courses: 9	Depth: 720	Size: 600	Vermin: N	
CHAMBER	Soffit Type: T	No. of Step Irons: 3	No. of Ladders: 0	No. of Landings: 0		
Size: 1200	Const'n Code: BR	Depth: N/A	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**			C	100				CI		1.00	118.3
	B			C	300				VC		3.17	116.13
	C			C	300				VC		3.26	116.04
	D											
	E											
	F											
OUTGOING PIPES	**X**			C	375				VC		3.29	116.01
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders	Y	Shaft		Chamber		Benching		Other	

Remarks: Step Iron Broken



Sewer Surveys UK LTD

Job Number: 13/235		Survey By: PR
Grid Ref:	Node Number: MH02	Cover Level:
Location:		

Year Laid:	Status:	Function:	Node Type:	Survey Date: 06/01/14
Manufacturer:				Grating:

COVER	Shape:	Hinged:	Lockable:	Duty:	Size:	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:	Vermin:	
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size:	Const'n Code:	Depth:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A											
	B											
	C											
	D											
	E											
	F											
OUTGOING PIPES	X											
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:

Not Surveyed as outside of Survey Area

Sewer Surveys UK LTD

Job Number: 13/235		Survey By: PR
Grid Ref: TQ2841387521	Node Number: MH03	Cover Level: 124.04
Location: Southwood Lane, London		

Year Laid: Z	Status: PR	Function: FW	Node Type: MH	Survey Date: 06/01/14
Manufacturer:				Grating:

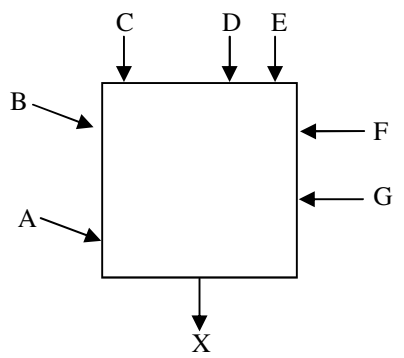
COVER	Shape:	Hinged: N	Lockable: N	Duty: M	Size: 670x530	Toxic atmos: N
SHAFT	Side Entry:N	Regulating Courses: 1	Depth: 0.21	Size: 610x460	Vermin: N
CHAMBER	Soffit Type:	No. of Step Irons: 2	No. of Ladders:	No. of Landings:	
Size: 870x810	Const'n Code: BR	Depth:	Depth of Silt:	H of S:	

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**			C	100				VC		1.62	122.42
	B			C	100				VC		1.62	122.42
	C			C	100				CI		0.92	123.12
	D			C	1050				VC		1.76	122.28
	E			C	100				CI		1.08	122.96
	F			C	100				VC		1.60	122.44
	G	MH03		C	100				VC		1.76	122.28
OUTGOING PIPES	**X**			C	150				VC		1.76	122.28
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK LTD

Job Number: 13/235		Survey By: PR
Grid Ref: TQ2841187530	Node Number: MH04	Cover Level: 124.04
Location: Southwood Lane, London		

Year Laid: Z	Status: PR	Function: FW	Node Type: MH	Survey Date: 06/01/14
Manufacturer:				Grating:

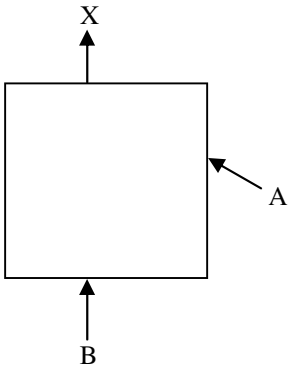
COVER	Shape: R	Hinged: N	Lockable: N	Duty: H	Size: 740x600	Toxic atmos: N
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:	Vermin:	
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size: 610x410	Const'n Code: BR	Depth:	Depth of Silt:	H of S:		

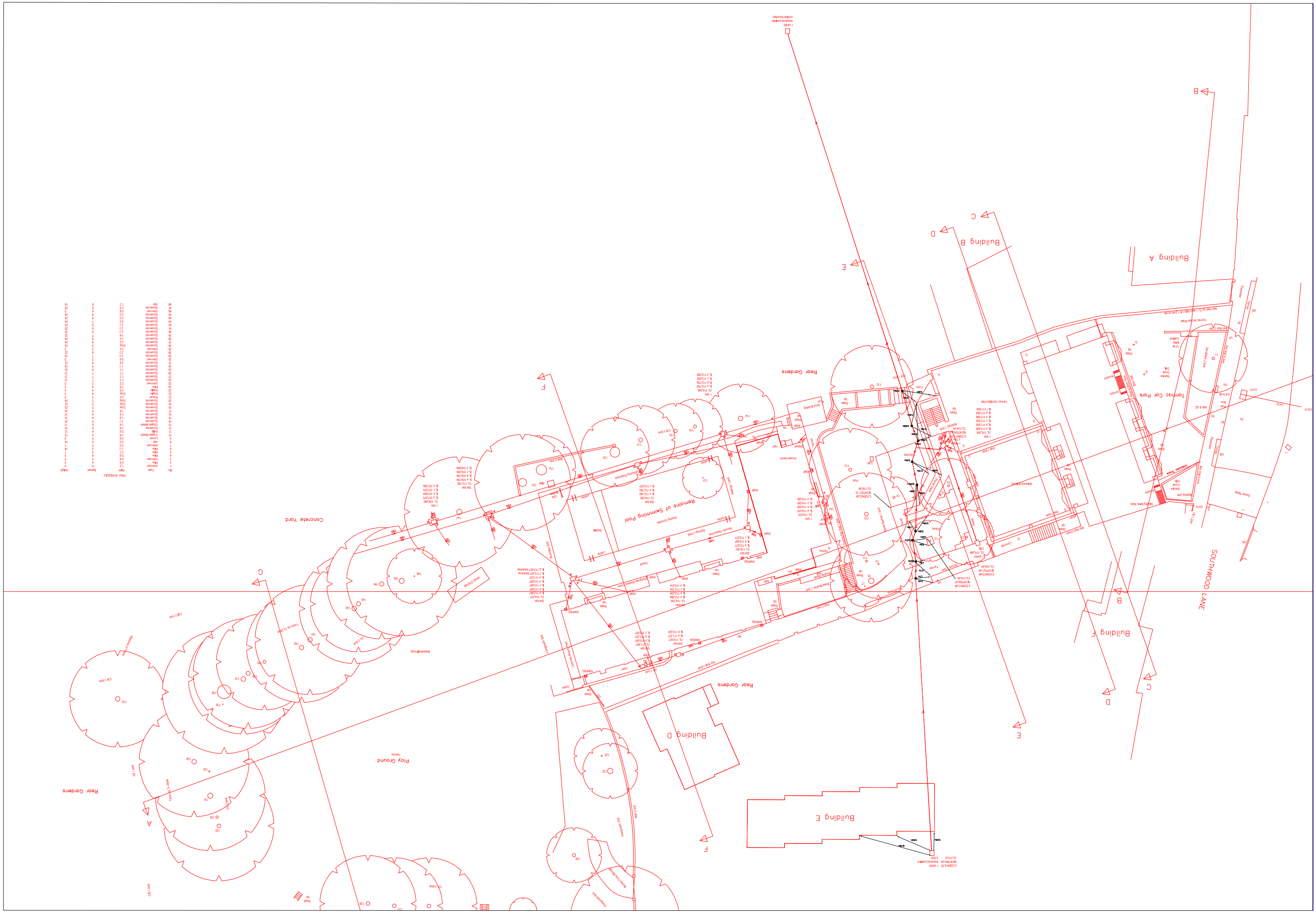
	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A			C	100				PVC		0.71	123.33
	B			C	100				VC		0.65	123.39
	C											
	D											
	E											
	F											
	G											
OUTGOING PIPES	X			C	100				VC		0.79	123.25
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:




SOUTHWOOD LANE
Building A
Building B
Building C
Building D
Building E
Tarmac Car Park
Rear Gardens
Play Ground
Concrete Yard
Remains of Swimming Pool
Tarmac Access Road
Bell Tower
Bell Tower Clock
Bell Tower Bell
Bell Tower Bell Weight
Bell Tower Bell Frame
Bell Tower Bell Wheel
Bell Tower Bell Clapper
Bell Tower Bell Rope
Bell Tower Bell Rope Guide
Bell Tower Bell Rope Guide Wheel
Bell Tower Bell Rope Guide Wheel Frame
Bell Tower Bell Rope Guide Wheel Frame Support
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Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw
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Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate
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Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss
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Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes
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Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds
Bell Tower Bell Rope Guide Wheel Frame Support Bracket Fixing Bolt Head Cover Plate Fixing Screw Head Slot Depth Measurement Tool Calibration Certificate Number Date Expiry Date Calibration Laboratory Accreditation Number Traceability Chain Of Custody Record Signature Date Time Stamp Format Yyyy-Mm-Dd Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss Utc Offset Plus Minus Zero Hours Minutes Seconds Hh:Mm:Ss

REPORT INSPECTION

Operator: SB

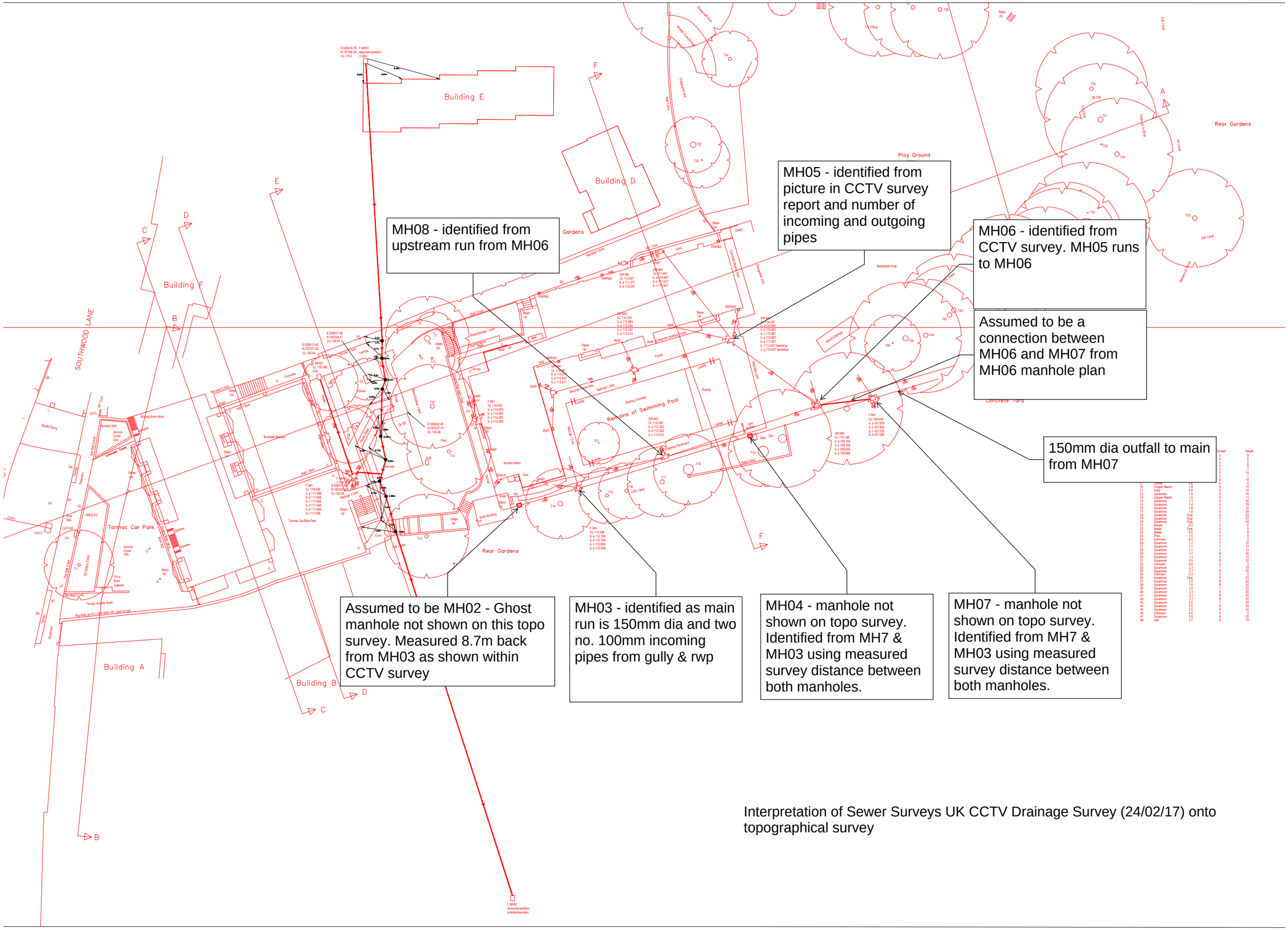
Report No: 13/235

Date: 06/01/14

Reviewed by: N Carr

Signature:

Unit 6, Longacre Close, Holbrook Industrial Estate, Sheffield S20 3FR
Tel: (0114) 2513481 E-Mail: info@sewersurveysuk.co.uk



Interpretation of Sewer Surveys UK CCTV Drainage Survey (24/02/17) onto topographical survey

Sewer Surveys UK LTD

CCTV Drainage Survey

Expedition Engineering
Highgate School, Dyne House
Southwood Lane, London, N6 5EE

CCTV DRAINAGE SURVEY REPORT

If you have any questions regarding any content in this report or require costs on any remedial works please feel free to contact us on 0114 2513481 or alternatively email us on info@sewersurveysuk.co.uk.

Kind regards

Project-information / Inspection: 1

Project name :	Project Number :	Contact :	Date :
Highgate School, Dyne House, South	**16/328**	**Anna Collins**	**24/02/2017**

Client:	**Expedition**
Contact Name:	**Anna Collins**
Department:	**Engineer**
Road:	**The Clove Building, 4 Maguire Street**
Town:	
County:	**London, SE1 2NQ**
Telephone:	**0207 3071027**
Fax:	
Mobile:	**07786 485693**
E-mail:	**anna.c@expedition.uk.com**

Site:	**Highgate School, Dyne House**
Contact Name:	**Anna Collins**
Department:	**Engineer**
Road:	**14 Southwood Lane**
Town:	
County:	**London, N6 5EE**
Telephone:	**0207 3071027**
Fax:	
Mobile:	**07786 485693**
E-mail:	**anna.c@expedition.uk.com**

Contractor	**Sewer Surveys UK Ltd**
Contact Name:	**Andrew Froggatt/Simon Bennett**
Department:	**Directors**
Road:	**Unit 6, Longacre Close**
Town:	**Sheffield**
County:	**South Yorkshire, S20 3FR**
Telephone:	**0114 2513481**
Fax:	
Mobile:	**07837 768649/07808 220160**
E-mail:	**info@sewersurveysuk.co.uk**

Defect Grade Description / Inspection: 1

Project Name :	Project number :	Contact :	Date :
Highgate School, Dyne House, South	**16/328**	**Anna Collins**	**24/02/2017**

1:

Brick: No Structural Defects
Pipe: No Structural Defects

Acceptable Structural Condition

2:

Brick: Minor cracking, Surface mortar loss, Spalling slight, wear slight
Pipe: Circumfrential crack, Moderate joint defects, Spalling slight, Wear slight

Minor collapse risk in short term but potential for further deterioration

3:

Brick: Total mortorloss without other defects, single brick displaced, Deformation up to 5%, Spalling medium, Wear medium
Pipe: Fractures with deformation up tp 5%, Longitudinal cracking or mulitlpe cracking, Minor loss of level, More severe joint

! Collapse unlikely in near future but future deterioration likely !

4:

Brick: Total mortorloss with deformation greater than 10%, Deformation up to 10% and fractured, Displaced/hanging brickwork, Small number of missing bricks
Pipe: Broken, Deformation up to 10% and broken,, Fractured with deformation 5 - 10%, Multipl

!! Collapse likely in foreseeable future !!

5:

Brick: Already Collapsed, Missing invert, Deformation over 10% and fractured, Displaced/hanging brickwork and deformation over 10%, Extensive missing bricks
Pipe: Already collapsed, Deformation over 10% and broken, Extensive areas of fabric missin

!!! Collapsed or collapse imminent !!!

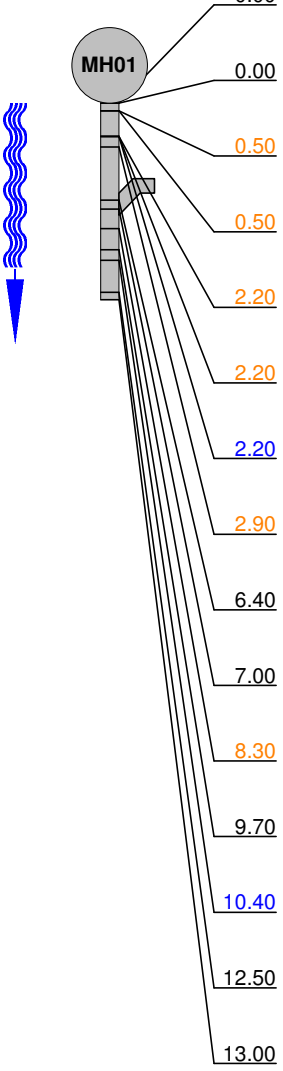
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/01/2017		**no rain or snow**	**NA**	**1**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH01**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH02**
Inspection Direction	**MH01 (D/S) MH02**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**15.50 m**	Lining :	

Comment :

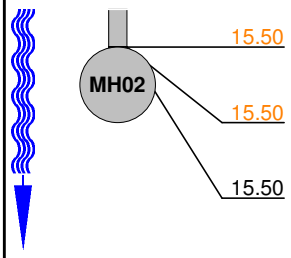


1:500	Position		Code	Observation	Grade
	0.00		MH	Start node type, manhole, reference number : MH01	0
	0.00		WL	Water level, 05% of the vertical dimension	0
	0.50	**S01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
	0.50	**S02**	DES	Settled deposits, fine, 10% cross-sectional area loss, Start	3
	2.20		DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 10% cross-sectional area loss	3
	2.20	**F02**	DES	Settled deposits, fine, 10% cross-sectional area loss, End	3
	2.20		CCJ	Crack, circumferential at joint, from 9 to 3 o'clock	2
	2.90	**S03**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
	6.40		JN	Junction, at 10 o'clock, diameter 100mm	0
	7.00		WL	Water level, 15% of the vertical dimension	0
	8.30		DES	Settled deposits, fine, 15% cross-sectional area loss	3
	9.70		LL	Line deviates left, quarter	0
	10.40		CCJ	Crack, circumferential at joint, from 11 to 3 o'clock	2
	12.50		LR	Line deviates right, quarter	0
	13.00		LL	Line deviates left, quarter	0

8.3 m

Inspection Report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR :
15/01/2017		**no rain or snow**	**NA**	**1**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Grade:
no rain or snow		**Push Rod**		**not known**	



1:500	Position		Code	Observation	Grade
	15.50	**F01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
	15.50	**F03**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
	15.50		MHF	Finish node type, manhole reference number: MH02	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	**0**	**0**	**0**	**1**	**5**	**4**	**2.28**	**35.4**	**3**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/01/2017**	**1**	**X**

Photo: 1_11A
8.3m, Settled deposits, fine, 15% cross-sectional area loss

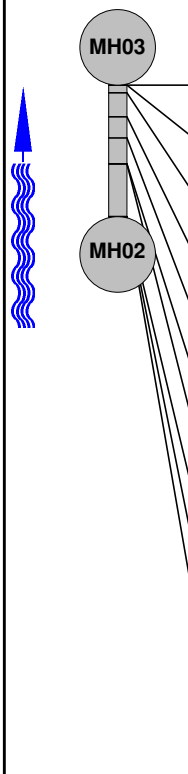
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**2**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH02**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH03**
Inspection Direction	**MH03 (U/S) MH02**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**8.70 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
0.00		MH	Start node type, manhole, reference number : MH03	0
0.00		WL	Water level, 05% of the vertical dimension	0
0.50	**S01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
2.10	**S02**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
3.50		CMJ	Cracks, multiple at joint, from 7 to 5 o'clock Remarks: Clocks vary	3
5.20		CLJ	Crack, longitudinal at joint, at 2 o'clock	2
5.20		CLJ	Crack, longitudinal at joint, at 3 o'clock	2
8.70	**F01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
8.70	**F02**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
8.70		MHF	Finish node type, manhole reference number: MH02	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	**0**	**0**	**0**	**1**	**2**	**2**	**1.89**	**16.4**	**3**

Inspection report / Inspection: 1

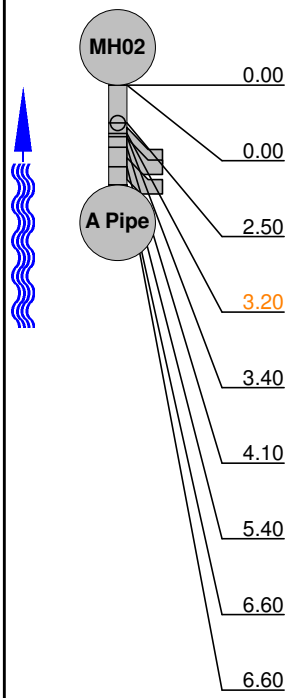
Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**3**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**A Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH02**
Inspection Direction	**MH02 (U/S) A Pipe**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**6.60 m**	Lining :	

Comment :

1:500



Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH02	0
0.00	WL	Water level, 05% of the vertical dimension	0
2.50	JN	Junction, at 12 o'clock, diameter 100mm	0
3.20	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 05% cross-sectional area loss	3
3.40	JN	Junction, at 11 o'clock, diameter 100mm	0
4.10	JN	Junction, at 11 o'clock, diameter 100mm	0
5.40	JN	Junction, at 9 o'clock, diameter 100mm	0
6.60	LU	Line deviates up, half	0
6.60	OCF	Finish node type, other special chamber reference number: A Pipe Remarks: Possible downpipe	0

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**	**0**	**0**	**0**	**1**

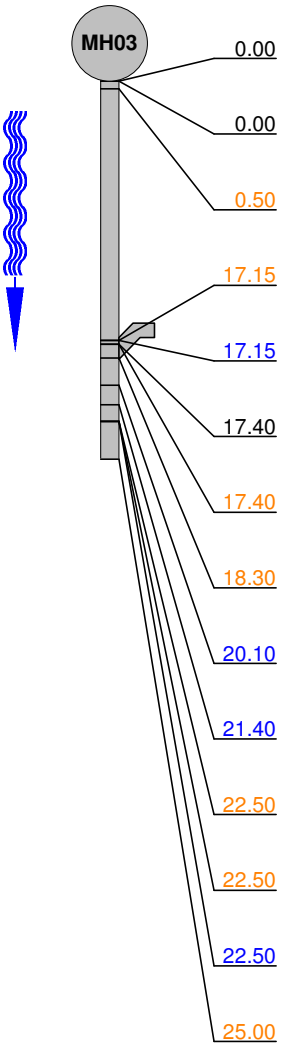
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**4**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH03**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH04**
Inspection Direction	**MH03 (D/S) MH04**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**25.90 m**	Lining :	

Comment :



1:500	Position		Code	Observation	Grade
	0.00		MH	Start node type, manhole, reference number : MH03	0
	0.00		WL	Water level, 05% of the vertical dimension	0
	0.50	**S01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
	17.15		FC	Fracture, circumferential, from 8 to 3 o'clock	3
	17.15		RF	Roots, fine	2
	17.40		CN	Connection other than junction, at 11 o'clock, diameter 100mm	0
	17.40		FL	Fracture, longitudinal, at 3 o'clock	3
	18.30		FL	Fracture, longitudinal, at 4 o'clock	3
	20.10		CC	Crack, circumferential, from 8 to 4 o'clock	2
	21.40		CLJ	Crack, longitudinal at joint, at 9 o'clock	2
	22.50		FCJ	Fracture, circumferential at joint, from 7 to 5 o'clock	3
	22.50		FLJ	Fracture, longitudinal at joint, at 12 o'clock	3
	22.50		RF	Roots, fine	2
	25.00		FL	Fracture, longitudinal, at 12 o'clock	3

17.15 m

17.4 m

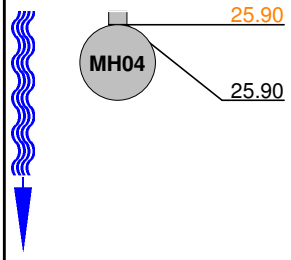
18.3 m

22.5 m

22.5 m

Inspection Report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR :
15/02/2017		**no rain or snow**	**NA**	**4**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Grade:
no rain or snow		**Push Rod**		**not known**	

1:500	Position		Code	Observation	Grade
	25.90	**F01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
	25.90		MHF	Finish node type, manhole reference number: MH04	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
8	**80**	**6.56**	**170**	**4**	**3**	**3**	**2.04**	**52.8**	**3**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**4**	**X**

Photo: 4_4A
17.15m, Fracture, circumferential, from 8 to 3 o'clock

Photo: 4_7A
17.4m, Fracture, longitudinal, at 3 o'clock

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**4**	**X**

Photo: 4_8A
18.3m, Fracture, longitudinal, at 4 o'clock

Photo: 4_11A
22.5m, Fracture, circumferential at joint, from 7 to 5 o'clock

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**4**	**X**

Photo: 4_12A
22.5m, Fracture, longitudinal at joint, at 12 o'clock

Photo: 4_14A
25m, Fracture, longitudinal, at 12 o'clock

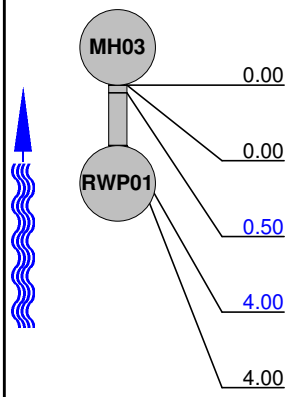
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**5**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**RWP01**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH03**
Inspection Direction	**MH03 (U/S) RWP01**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**4.00 m**	Lining :	

Comment :



1:500	Position		Code	Observation	Grade
	0.00		MH	Start node type, manhole, reference number : MH03	0
	0.00		WL	Water level, 05% of the vertical dimension	0
	0.50	**S01**	DES	Settled deposits, fine, 5% cross-sectional area loss, Start	2
	4.00	**F01**	DES	Settled deposits, fine, 5% cross-sectional area loss, End	2
	4.00		OCF	Finish node type, other special chamber reference number: RWP01	0

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**	**1**	**0.88**	**3.5**	**2**

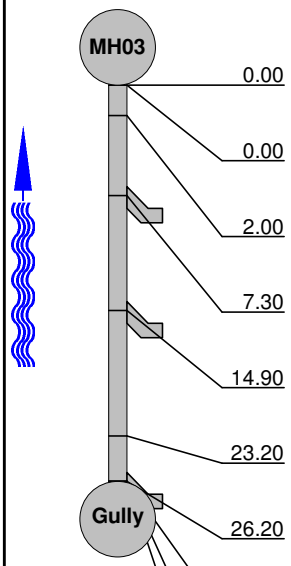
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**6**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**Gully**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH03**
Inspection Direction	**MH03 (U/S) Gully**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**26.20 m**	Lining :	

Comment :



1:500 Position		Code	Observation	Grade
0.00		MH	Start node type, manhole, reference number : MH03	0
0.00		WL	Water level, 05% of the vertical dimension	0
2.00	**S01**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	
7.30		JN	Junction, at 9 o'clock, diameter 100mm	0
14.90		JN	Junction, at 10 o'clock, diameter 100mm	0
23.20		LL	Line deviates left, quarter	0
26.20		JN	Junction, at 9 o'clock, diameter 100mm	0
26.20		REM	General remark Remarks: Gully in view	0
26.20	**F01**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
26.20		GYF	Finish node type, gully reference number: Gully Remarks: Gully in view	0

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

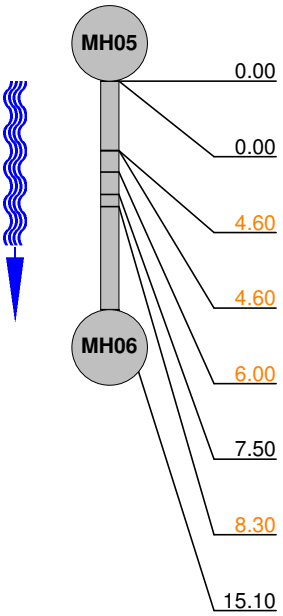
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**7**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH05**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH06**
Inspection Direction	**MH05 (D/S) MH06**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**15.10 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH05	0
0.00	WL	Water level, 00% of the vertical dimension	0
4.60	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 05% cross-sectional area loss	3
4.60	FCJ	Fracture, circumferential at joint, from 7 to 5 o'clock	3
6.00	FCJ	Fracture, circumferential at joint, from 10 to 3 o'clock	3
7.50	REM	General remark Remarks: Pushing stone	0
8.30	FCJ	Fracture, circumferential at joint, from 9 to 3 o'clock	3
15.10	MHF	Finish node type, manhole reference number: MH06	0

4.6 m

6 m

8.3 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**7**	**X**

Photo: 7_4A
4.6m, Fracture, circumferential at joint, from 7 to 5 o'clock

Photo: 7_5A
6m, Fracture, circumferential at joint, from 10 to 3 o'clock

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**7**	**X**

Photo: 7_7A
8.3m, Fracture, circumferential at joint, from 9 to 3 o'clock

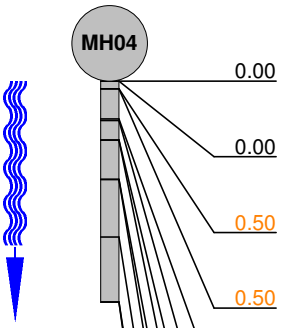
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**8**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH04**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH07**
Inspection Direction	**MH04 (D/S) MH07**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**17.40 m**	Lining :	

Comment :



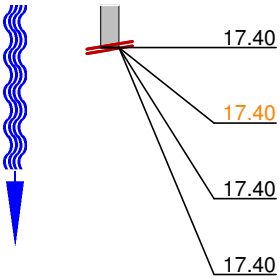
1:500	Position		Code	Observation	Grade
	0.00		MH	Start node type, manhole, reference number : MH04	0
	0.00		WL	Water level, 05% of the vertical dimension	0
	0.50	**S01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
	0.50	**S02**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	3
	2.50		DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 15% cross-sectional area loss	3
	2.60		RFJ	Roots, fine at joint	2
	3.90		RT	Roots, tap Remarks: From break	4
	3.90		B	Broken pipe, from 7 to 5 o'clock	4
	6.50		CL	Crack, longitudinal, at 12 o'clock	2
	6.50		CC	Crack, circumferential, from 12 to 4 o'clock	2
	10.30	**F02**	DEEJ	Attached deposits, encrustation at joint, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
	14.60		B	Broken pipe, from 7 to 5 o'clock	4
	14.60		RFJ	Roots, fine at joint	2

3.9 m

14.6 m

Inspection Report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR :
15/02/2017		**no rain or snow**	**NA**	**8**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Grade:
no rain or snow		**Push Rod**		**not known**	



1:500	Position		Code	Observation	Grade
	17.40		WL	Water level, 20% of the vertical dimension	0
	17.40	**F01**	DEG	Attached deposits, grease, from 7 to 5 o'clock, 5% cross-sectional area loss, End	3
	17.40		CUW	Loss of vision, camera under water	0
	17.40		SA	Survey abandoned Remarks: Due to camera underwater	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	**80**	**10.34**	**180**	**4**	**6**	**7**	**2.23**	**38.8**	**4**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**8**	**X**

Photo: 8_7A
3.9m, Roots, tap Remarks: From break

Photo: 8_12A
14.6m, Broken pipe, from 7 to 5 o'clock

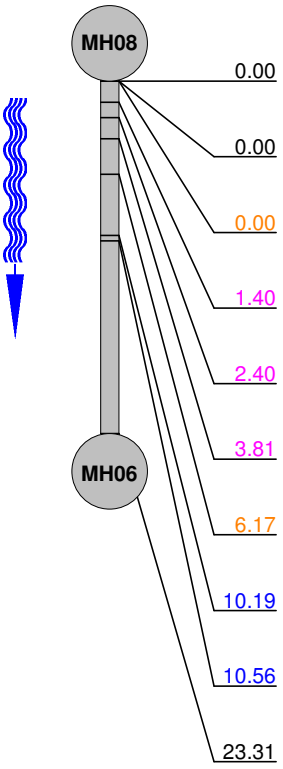
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**9**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH08**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH06**
Inspection Direction	**MH08 (D/S) MH06**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**23.31 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH08	0
0.00	WL	Water level, 0% of the vertical dimension	0
0.00	DES	Settled deposits, fine, 10% cross-sectional area loss	3
1.40	DES	Settled deposits, fine, 30% cross-sectional area loss	4
2.40	DES	Settled deposits, fine, 25% cross-sectional area loss	4
3.81	DER	Settled deposits, coarse, 60% cross-sectional area loss (pushing)	4
6.17	FC	Fracture, circumferential, from 12 to 12 o'clock	3
10.19	CCJ	Crack, circumferential at joint, from 7 to 5 o'clock	2
10.56	CCJ	Crack, circumferential at joint, from 10 to 4 o'clock	2
23.31	MHF	Finish node type, manhole reference number: MH06	0

1.4 m

3.81 m

6.17 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	**40**	**1.72**	**40**	**3**	**4**	**8**	**0.86**	**20**	**4**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**9**	**X**

Photo: 9_4A
1.4m, Settled deposits, fine, 30% cross-sectional area loss

Photo: 9_6A
3.81m, Settled deposits, coarse, 60% cross-sectional area loss (pushing)

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**15/02/2017**	**9**	**X**

Photo: 9_7A
6.17m, Fracture, circumferential, from 12 to 12 o'clock

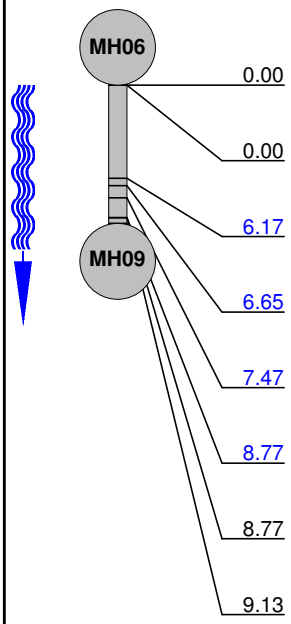
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
15/02/2017		**no rain or snow**	**NA**	**10**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH06**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH09**
Inspection Direction	**MH06 (D/S) MH09**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**9.13 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH06	0
	0.00	WL	Water level, 0% of the vertical dimension	0
	6.17	CL	Crack, longitudinal, at 12 o'clock	2
	6.65	CL	Crack, longitudinal, at 10 o'clock	2
	7.47	CL	Crack, longitudinal, at 12 o'clock	2
	8.77	CL	Crack, longitudinal, at 9 o'clock	2
	8.77	LR	Line deviates right Remarks: marginal	0
	9.13	MHF	Finish node type, manhole reference number: MH09	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	**20**	**4.38**	**40**	**2**	**0**	**0**	**0**	**0**	**1**

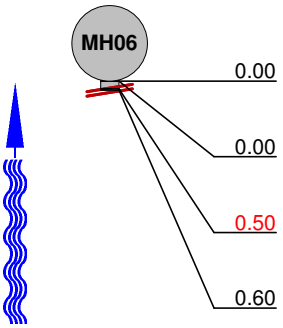
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**11**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**C Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH06**
Inspection Direction	**MH06 (U/S) C Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**0.60 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH06	0
	0.00	WL	Water level, 0% of the vertical dimension	0
	0.50	DER	Settled deposits, coarse, 95% cross-sectional area loss	5
	0.60	SA	Survey abandoned Remarks: due to der	0

0.5 m

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**	**20**	**10**	**5**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**16/02/2017**	**11**	**X**

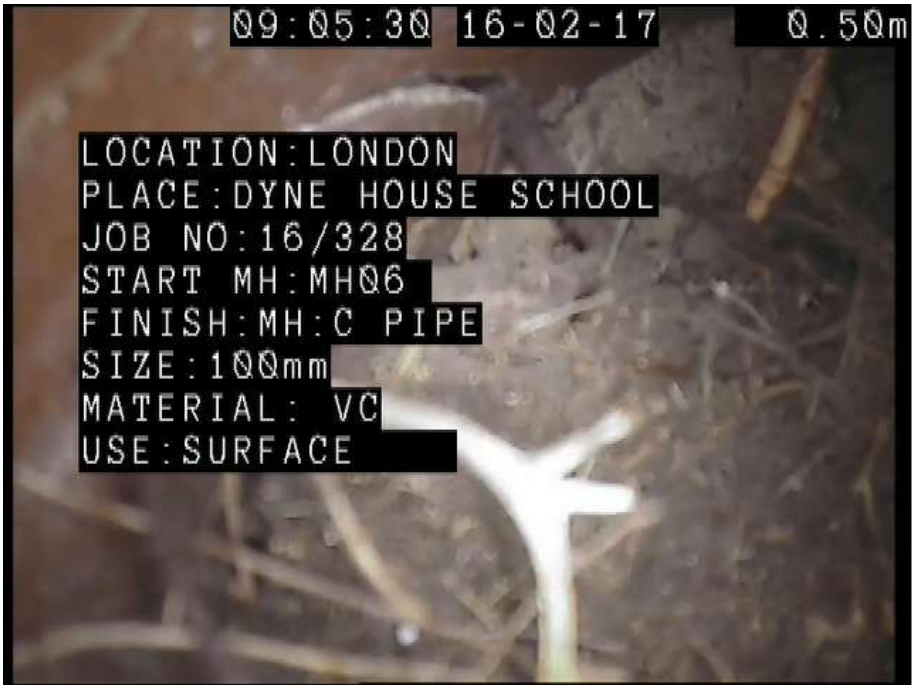


Photo: 11_3A
0.5m, Settled deposits, coarse, 95% cross-sectional area loss

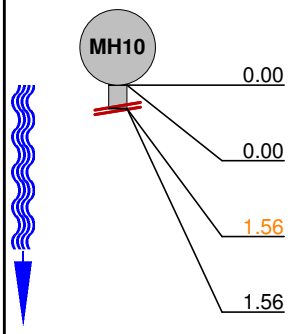
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**12**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH10**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**X Pipe**
Inspection Direction	**MH10 (D/S) X Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**1.56 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH10	0
0.00	WL	Water level, 5% of the vertical dimension	0
1.56	DES	Settled deposits, fine, 10% cross-sectional area loss	3
1.56	SA	Survey abandoned Remarks: due to des	0

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**	**1.28**	**2**	**3**

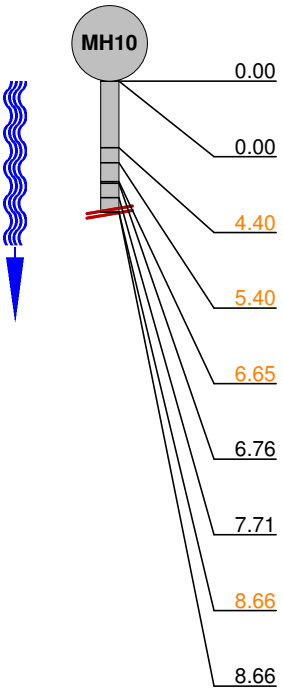
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**13**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH10**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**X Pipe**
Inspection Direction	**MH10 (D/S) X Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**8.66 m**	Lining :	

Comment :



1:500	Position		Code	Observation	Grade
	0.00		MH	Start node type, manhole, reference number : MH10	0
	0.00		WL	Water level, 5% of the vertical dimension	0
	4.40		DES	Settled deposits, fine, 20% cross-sectional area loss	3
	5.40		DES	Settled deposits, fine, 15% cross-sectional area loss	3
	6.65	**S01**	DES	Settled deposits, fine, 10% cross-sectional area loss, Start	3
	6.76		WL	Water level, 10% of the vertical dimension	0
	7.71		WL	Water level, 50% of the vertical dimension	0
	8.66	**F01**	DES	Settled deposits, fine, 10% cross-sectional area loss, End	3
	8.66		SA	Survey abandoned Remarks: due to wl	0

4.4 m

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**	**3**	**4**	**0.92**	**8**	**3**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**16/02/2017**	**13**	**X**

Photo: 13_3A
4.4m, Settled deposits, fine, 20% cross-sectional area loss

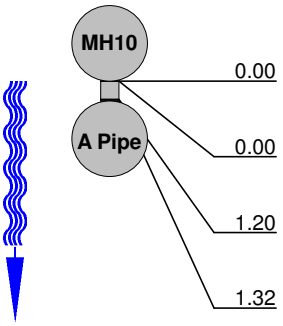
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**14**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH10**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**A Pipe**
Inspection Direction	**MH10 (D/S) A Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**1.32 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH10	0
	0.00	WL	Water level, 0% of the vertical dimension	0
	1.20	SC	Dimension changes, 25mm high, 25mm wide	0
	1.32	MHF	Finish node type, manhole reference number: A Pipe	0

1.2 m

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 / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**16/02/2017**	**14**	**X**

Photo: 14_3A
1.2m, Dimension changes, 25mm high, 25mm wide

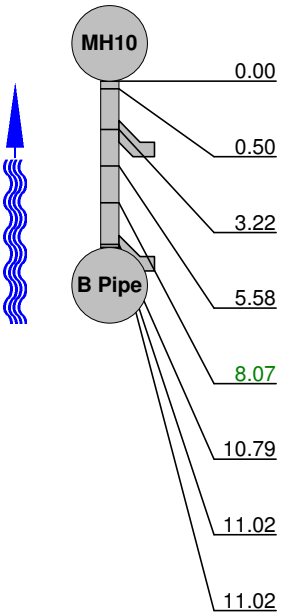
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**15**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**B Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH10**
Inspection Direction	**MH10 (U/S) B Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**11.02 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH10	0
0.50	WL	Water level, 10% of the vertical dimension	0
3.22	JN	Junction, at 9 o'clock, diameter 100mm	0
5.58	WL	Water level, 5% of the vertical dimension	0
8.07	JDM	Joint displaced, medium	1
10.79	JN	Junction, at 9 o'clock, diameter 100mm	0
11.02	REM	General remark Remarks: node point	0
11.02	MHF	Finish node type, manhole reference number: B Pipe	0

8.07 m

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

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**16/02/2017**	**15**	**X**

Photo: 15_5A
8.07m, Joint displaced, medium

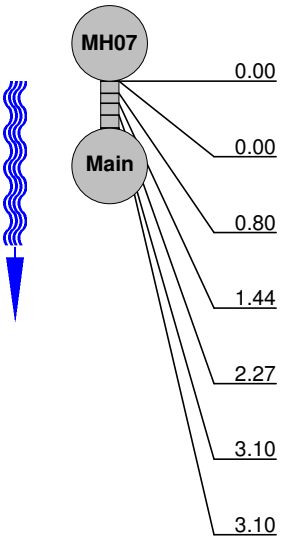
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**16**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH07**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**Main**
Inspection Direction	**MH07 (D/S) Main**	Pipe Length		D/S Depth :	

Use:	**Combined**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**3.10 m**	Lining :	

Comment : **Wrong finish and direction on recording**



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH07	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.80	LD	Line deviates down Remarks: critical	0
1.44	WL	Water level, 20% of the vertical dimension	0
2.27	WL	Water level, 5% of the vertical dimension	0
3.10	REM	General remark Remarks: Finish Main	0
3.10	MHF	Finish node type, manhole reference number: Main Remarks: Wrong finish on recording	0

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**

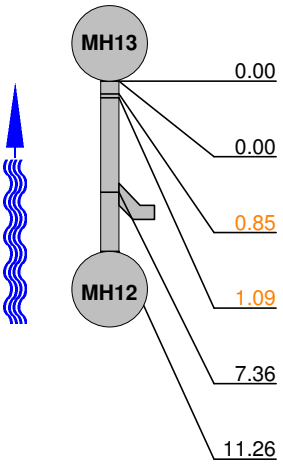
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**17**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH12**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH13**
Inspection Direction	**MH13 (U/S) MH12**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**11.26 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH13	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.85	DES	Settled deposits, fine, 10% cross-sectional area loss	3
1.09	DES	Settled deposits, fine, 10% cross-sectional area loss	3
7.36	JN	Junction, at 9 o'clock, diameter 100mm	0
11.26	MHF	Finish node type, manhole reference number: MH12	0

0.85 m

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**	**2**	**2**	**0.36**	**4**	**3**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**16/02/2017**	**17**	**X**

Photo: 17_3A
0.85m, Settled deposits, fine, 10% cross-sectional area loss

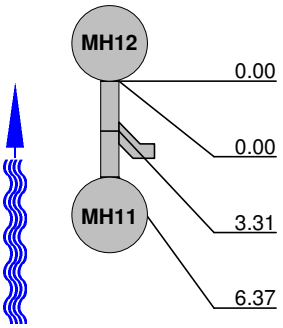
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**18**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH11**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH12**
Inspection Direction	**MH12 (U/S) MH11**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**6.37 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH12	0
0.00	WL	Water level, 10% of the vertical dimension	0
3.31	JN	Junction, at 9 o'clock, diameter 100mm	0
6.37	MHF	Finish node type, manhole reference number: MH11	0

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**

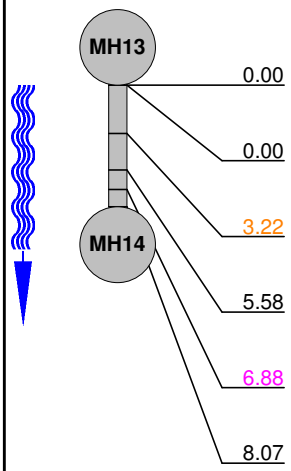
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**19**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH13**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH14**
Inspection Direction	**MH13 (D/S) MH14**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**8.07 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH13	0
0.00	WL	Water level, 5% of the vertical dimension	0
3.22	DEX	Settled deposits, other, 10% cross-sectional area loss Remarks: Rags	3
5.58	WL	Water level, 10% of the vertical dimension	0
6.88	DEX	Settled deposits, other, 25% cross-sectional area loss Remarks: rags	4
8.07	MHF	Finish node type, manhole reference number: MH14	0

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**	**2**	**5**	**0.87**	**7**	**4**

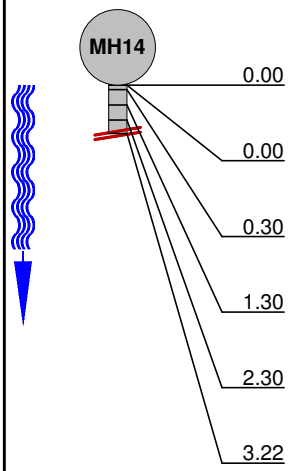
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**20**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH14**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH15**
Inspection Direction	**MH14 (D/S) MH15**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**3.22 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH14	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.30	LD	Line deviates down Remarks: critical	0
1.30	LD	Line deviates down Remarks: critical	0
2.30	LD	Line deviates down Remarks: critical	0
3.22	SA	Survey abandoned Remarks: due to bends	0

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**

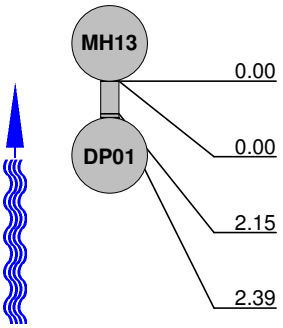
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
16/02/2017		**no rain or snow**	**NA**	**21**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**DP01**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH13**
Inspection Direction	**MH13 (U/S) DP01**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**2.39 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH13	0
0.00	WL	Water level, 5% of the vertical dimension	0
2.15	LU	Line deviates up Remarks: critical	0
2.39	MHF	Finish node type, manhole reference number: DP01	0

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**

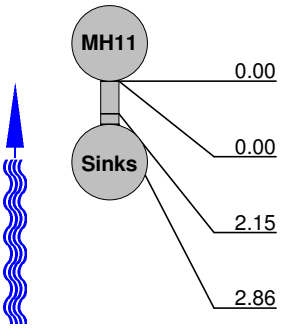
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**22**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**Sinks**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) Sinks**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**2.86 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 5% of the vertical dimension	0
2.15	LU	Line deviates up Remarks: critical	0
2.86	MHF	Finish node type, manhole reference number: Sinks	0

2.86 m

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 / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**22**	**X**

Photo: 22_4A
2.86m, Finish node type, manhole reference number: Sinks

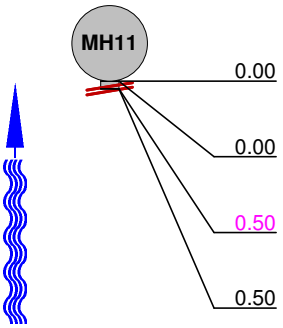
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**23**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

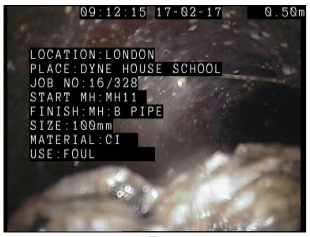
Place :	**London**	Location details:		U/S MH :	**B Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) B Pipe**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**0.50 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 10% of the vertical dimension	0
0.50	DEX	Settled deposits, other, 50% cross-sectional area loss Remarks: rags	4
0.50	SA	Survey abandoned Remarks: due to dex 50%	0



0.5 m

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**	**16**	**8**	**5**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**23**	**X**

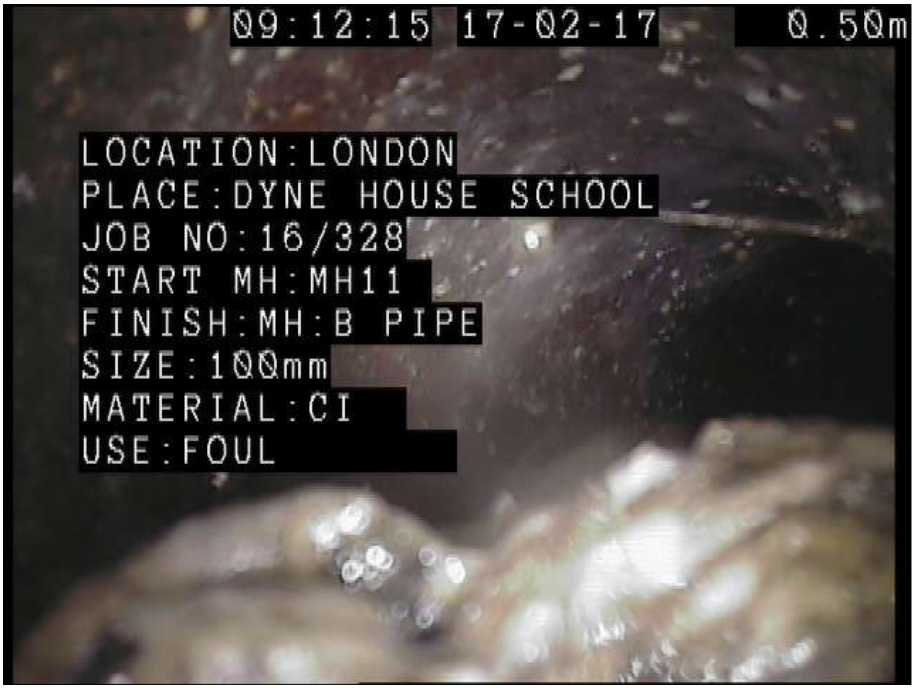


Photo: 23_3A
0.5m, Settled deposits, other, 50% cross-sectional area loss
Remarks: rags

Inspection report / Inspection: 1

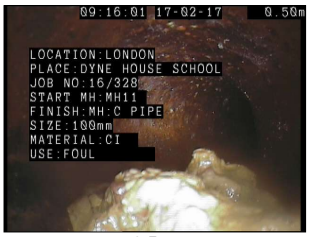
Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**24**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**C Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) C Pipe**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**0.73 m**	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
MH11	0.00	MH	Start node type, manhole, reference number : MH11	0
	0.00	WL	Water level, 5% of the vertical dimension	0
	0.50	DEX	Settled deposits, other, 20% cross-sectional area loss Remarks: rags	4
	0.73	SA	Survey abandoned Remarks: due to dex	0



0.5 m

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**	**10**	**5**	**5**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**24**	**X**

Photo: 24_3A
0.5m, Settled deposits, other, 20% cross-sectional area loss
Remarks: rags

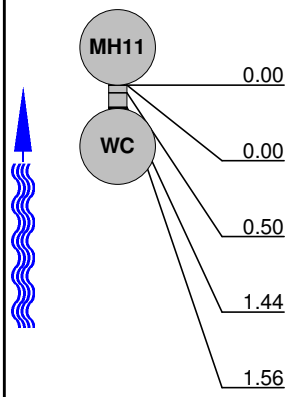
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**25**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**WC**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) WC**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**1.56 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.50	LL	Line deviates left Remarks: Marginal	0
1.44	LU	Line deviates up Remarks: critical	0
1.56	MHF	Finish node type, manhole reference number: WC	0

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**

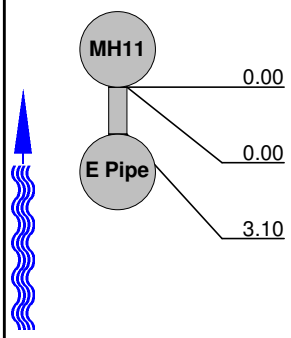
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**26**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**E Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) E Pipe**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**3.10 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 5% of the vertical dimension	0
3.10	MHF	Finish node type, manhole reference number: E Pipe	0

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**

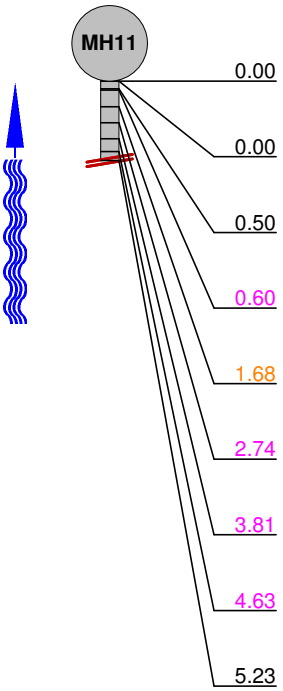
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**27**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**F Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) F Pipe**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**5.23 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.50	LL	Line deviates left Remarks: marginal	0
0.60	DES	Settled deposits, fine, 25% cross-sectional area loss	4
1.68	DES	Settled deposits, fine, 15% cross-sectional area loss	3
2.74	DES	Settled deposits, fine, 25% cross-sectional area loss	4
3.81	DES	Settled deposits, fine, 35% cross-sectional area loss	4
4.63	DES	Settled deposits, fine, 50% cross-sectional area loss	4
5.23	SA	Survey abandoned Remarks: due to des	0

2.74 m

4.63 m

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**	**5**	**5**	**4.4**	**22**	**4**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**27**	**X**

Photo: 27_6A
2.74m, Settled deposits, fine, 25% cross-sectional area loss

Photo: 27_8A
4.63m, Settled deposits, fine, 50% cross-sectional area loss

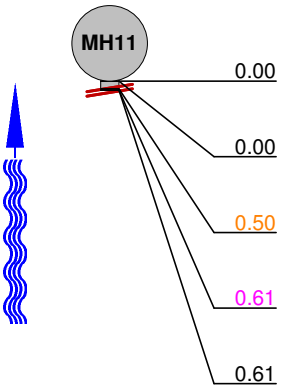
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**28**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**G Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH11**
Inspection Direction	**MH11 (U/S) G Pipe**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**0.61 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH11	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.50	DES	Settled deposits, fine, 20% cross-sectional area loss	3
0.61	DEE	Attached deposits, encrustation, from 7 to 5 o'clock, 30% cross-sectional area loss Remarks: scale	4
0.61	SA	Survey abandoned Remarks: due to dee	0

0.5 m

0.61 m

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**	**2**	**5**	**11.48**	**7**	**5**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**28**	**X**

Photo: 28_3A
0.5m, Settled deposits, fine, 20% cross-sectional area loss

Photo: 28_4A
0.61m, Attached deposits, encrustation, from 7 to 5 o'clock, 30% cross-sectional area loss Remarks: scale

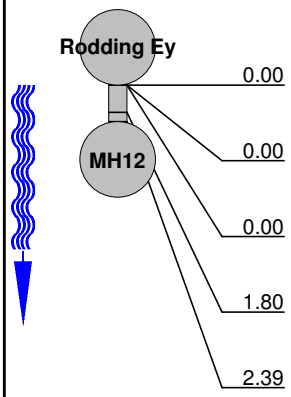
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**29**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**Rodding Ey**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH12**
Inspection Direction	**Rodding Ey (D/S) MH12**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**2.39 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : Rodding Ey	0
0.00	WL	Water level, 0% of the vertical dimension	0
0.00	LD	Line deviates down Remarks: critical	0
1.80	LL	Line deviates left Remarks: slight	0
2.39	MHF	Finish node type, manhole reference number: MH12	0

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 report / Inspection: 1

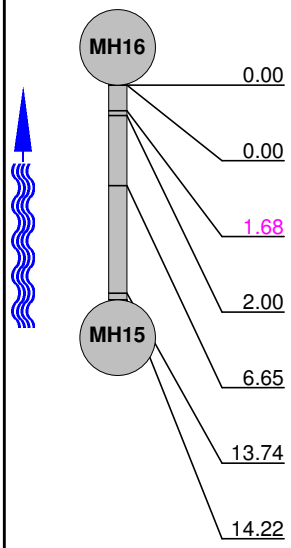
Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**30**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH15**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH16**
Inspection Direction	**MH16 (U/S) MH15**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**14.22 m**	Lining :	

Comment :

1:500



Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH16	0
0.00	WL	Water level, 5% of the vertical dimension	0
1.68	DEX	Settled deposits, other, 30% cross-sectional area loss Remarks: rags	4
2.00	WL	Water level, 25% of the vertical dimension	0
6.65	WL	Water level, 10% of the vertical dimension	0
13.74	LR	Line deviates right Remarks: marginal	0
14.22	MHF	Finish node type, manhole reference number: MH15	0

1.68 m

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**	**0.35**	**5**	**4**

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**30**	**X**

Photo: 30_3A
1.68m, Settled deposits, other, 30% cross-sectional area loss
Remarks: rags

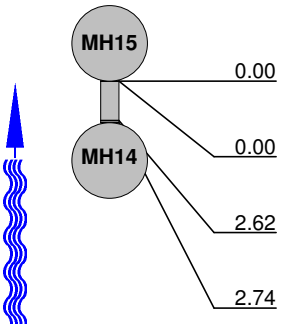
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**31**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH14**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH15**
Inspection Direction	**MH15 (U/S) MH14**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Cast iron**
Total length :	**2.74 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH15	0
	0.00	WL	Water level, 5% of the vertical dimension	0
	2.62	LU	Line deviates up Remarks: critical	0
	2.74	MHF	Finish node type, manhole reference number: MH14	0

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**

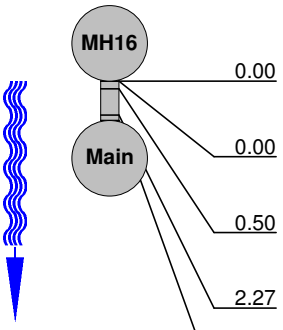
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**32**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH16**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**Main**
Inspection Direction	**MH16 (D/S) Main**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**2.62 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH16	0
0.00	WL	Water level, 0% of the vertical dimension	0
0.50	LD	Line deviates down Remarks: critical	0
2.27	LR	Line deviates right Remarks: slight	0
2.62	MHF	Finish node type, manhole reference number: Main	0

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**

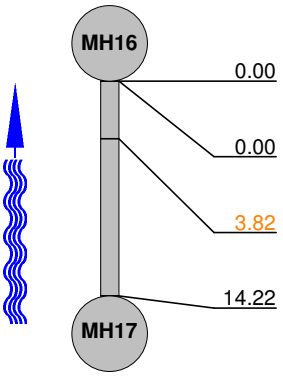
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**33**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**MH17**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH16**
Inspection Direction	**MH16 (U/S) MH17**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**14.22 m**	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH16	0
	0.00	WL	Water level, 5% of the vertical dimension	0
	3.82	CMJ	Cracks, multiple at joint, from 7 to 5 o'clock	3
	14.22	MHF	Finish node type, manhole reference number: MH17	0

3.82 m

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

Inspection pictures / Inspection: 1

Place :	Road :	Date :	Section number :	PLR Suffix :
London	**Highgate School, Dyne House**	**17/02/2017**	**33**	**X**

Photo: 33_3A
3.82m, Cracks, multiple at joint, from 7 to 5 o'clock

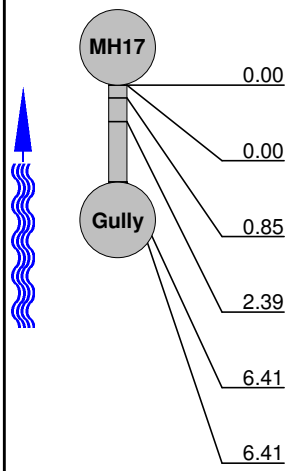
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**34**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**Gully**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH17**
Inspection Direction	**MH17 (U/S) Gully**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**100 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**6.41 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH17	0
0.00	WL	Water level, 0% of the vertical dimension	0
0.85	LL	Line deviates left Remarks: critical	0
2.39	MC	Material changes, cast iron	0
6.41	LD	Line deviates down Remarks: critical	0
6.41	MHF	Finish node type, manhole reference number: Gully	0

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**

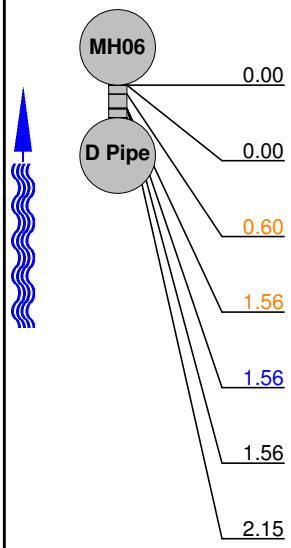
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**35**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**D Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH06**
Inspection Direction	**MH06 (U/S) D Pipe**	Pipe Length		D/S Depth :	

Use:	**Other (state in comments)**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**2.15 m**	Lining :	

Comment : **use is unknown**



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH06	0
0.00	WL	Water level, 0% of the vertical dimension	0
0.60	DER	Settled deposits, coarse, 10% cross-sectional area loss	3
1.56	DER	Settled deposits, coarse, 10% cross-sectional area loss	3
1.56	CC	Crack, circumferential, from 9 to 12 o'clock	2
1.56	LU	Line deviates up Remarks: critical	0
2.15	MHF	Finish node type, manhole reference number: D Pipe	0

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	**10**	**4.65**	**10**	**2**	**2**	**2**	**1.86**	**4**	**3**

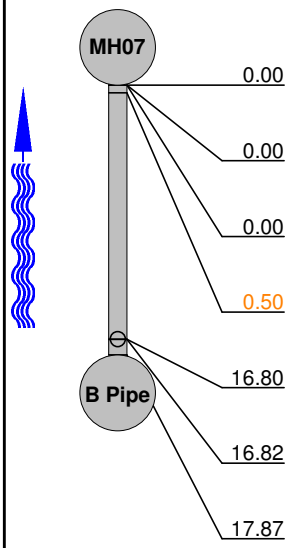
Inspection report / Inspection: 1

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
17/02/2017		**no rain or snow**	**NA**	**36**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
no rain or snow		**Push Rod**		**not known**	**NA**

Place :	**London**	Location details:		U/S MH :	**B Pipe**
Road :	**Highgate School, Dyne House**	Catchment:		U/S Depth :	
Location	**Other (state in comments)**	Tape number :		D/S MH :	**MH07**
Inspection Direction	**MH07 (U/S) B Pipe**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :	**Z**	Pipe size :	**150 mm**
Purpose :	**Routine inspection of condition**	Pipe material :	**Vitrified clay**
Total length :	**17.87 m**	Lining :	

Comment :



1:500 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : MH07	0
0.00	WL	Water level, 20% of the vertical dimension	0
0.00	WL	Water level, 5% of the vertical dimension	0
0.50	DES	Settled deposits, fine, 10% cross-sectional area loss	3
16.80	MC	Material changes, cast iron	0
16.82	JN	Junction, at 12 o'clock, diameter 100mm	0
17.87	MHF	Finish node type, manhole reference number: B Pipe	0

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**	**0.11**	**2**	**3**

∑∅ / Main sections / Inspection: 1

Project name :	Project number :	Contact :	Date :
Highgate School, Dyne House, South	**16/328**	**Anna Collins**	**24/02/2017**

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
1	MH01	MH02	15/01/2017	Highgate School, Dyne House		Vitrified clay	15.50	15.50
5	RWP01	MH03	15/02/2017	Highgate School, Dyne House		Vitrified clay	4.00	4.00
6	Gully	MH03	15/02/2017	Highgate School, Dyne House		Vitrified clay	26.20	26.20
7	MH05	MH06	15/02/2017	Highgate School, Dyne House		Vitrified clay	15.10	15.10
9	MH08	MH06	15/02/2017	Highgate School, Dyne House		Vitrified clay	23.31	23.31
11	C Pipe	MH06	16/02/2017	Highgate School, Dyne House		Vitrified clay	0.60	0.60
12	MH10	X Pipe	16/02/2017	Highgate School, Dyne House		Vitrified clay	1.56	1.56
13	MH10	X Pipe	16/02/2017	Highgate School, Dyne House		Vitrified clay	8.66	8.66
14	MH10	A Pipe	16/02/2017	Highgate School, Dyne House		Vitrified clay	1.32	1.32
15	B Pipe	MH10	16/02/2017	Highgate School, Dyne House		Vitrified clay	11.02	11.02
17	MH12	MH13	16/02/2017	Highgate School, Dyne House		Cast iron	11.26	11.26
18	MH11	MH12	16/02/2017	Highgate School, Dyne House		Cast iron	6.37	6.37
22	Sinks	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	2.86	2.86
23	B Pipe	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	0.50	0.50
24	C Pipe	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	0.73	0.73
25	WC	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	1.56	1.56
26	E Pipe	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	3.10	3.10
27	F Pipe	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	5.23	5.23
28	G Pipe	MH11	17/02/2017	Highgate School, Dyne House		Cast iron	0.61	0.61
29	Rodding Ey	MH12	17/02/2017	Highgate School, Dyne House		Cast iron	2.39	2.39
33	MH17	MH16	17/02/2017	Highgate School, Dyne House		Vitrified clay	14.22	14.22
34	Gully	MH17	17/02/2017	Highgate School, Dyne House		Vitrified clay	6.41	6.41

Pipe size: CIRCULAR 100 = 162.51 m (162.51 m)

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
2	MH02	MH03	15/02/2017	Highgate School, Dyne House		Vitrified clay	8.70	8.70
3	A Pipe	MH02	15/02/2017	Highgate School, Dyne House		Vitrified clay	6.60	6.60
4	MH03	MH04	15/02/2017	Highgate School, Dyne House		Vitrified clay	25.90	25.90
8	MH04	MH07	15/02/2017	Highgate School, Dyne House		Vitrified clay	17.40	17.40
10	MH06	MH09	15/02/2017	Highgate School, Dyne House		Vitrified clay	9.13	9.13
16	MH07	Main	16/02/2017	Highgate School, Dyne House		Vitrified clay	3.10	3.10
19	MH13	MH14	16/02/2017	Highgate School, Dyne House		Cast iron	8.07	8.07
20	MH14	MH15	16/02/2017	Highgate School, Dyne House		Cast iron	3.22	3.22
21	DP01	MH13	16/02/2017	Highgate School, Dyne House		Cast iron	2.39	2.39
30	MH15	MH16	17/02/2017	Highgate School, Dyne House		Cast iron	14.22	14.22
31	MH14	MH15	17/02/2017	Highgate School, Dyne House		Cast iron	2.74	2.74
32	MH16	Main	17/02/2017	Highgate School, Dyne House		Vitrified clay	2.62	2.62
35	D Pipe	MH06	17/02/2017	Highgate School, Dyne House		Vitrified clay	2.15	2.15
36	B Pipe	MH07	17/02/2017	Highgate School, Dyne House		Vitrified clay	17.87	17.87

Pipe size: CIRCULAR 150 = 124.11 m (124.11 m)

All sections = 286.62 m (286.62 m)

Service / Operational Defects (SRM 4) / Inspection: 1

Project name :	Project Number :	Contact :	Date :
Highgate School, Dyne House, South	**16/328**	**Anna Collins**	**24/02/2017**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	MH01X	D	C	C 100	15/01/2017	VC	15.50	15.50	3	4	3	2.28	35.4
2	MH02X	U	C	C 150	15/02/2017	VC	8.70	8.70	2	2	3	1.89	16.4
3	A PipeX	U	C	C 150	15/02/2017	VC	6.60	6.60	2	0	1	0	0
4	MH03X	D	C	C 150	15/02/2017	VC	25.90	25.90	1	3	3	2.04	52.8
5	RWP01X	U	S	C 100	15/02/2017	VC	4.00	4.00	3	1	2	0.88	3.5
6	GullyX	U	S	C 100	15/02/2017	VC	26.20	26.20	3				
7	MH05X	D	S	C 100	15/02/2017	VC	15.10	15.10	2	0	1	0	0
8	MH04X	D	C	C 150	15/02/2017	VC	17.40	17.40	3	7	4	2.23	38.8
9	MH08X	D	S	C 100	15/02/2017	VC	23.31	23.31	3	8	4	0.86	20
10	MH06X	D	S	C 150	15/02/2017	VC	9.13	9.13	-	0	1	0	0
11	C PipeX	U	S	C 100	16/02/2017	VC	0.60	0.60	3	10	5	20	10
12	MH10X	D	S	C 100	16/02/2017	VC	1.56	1.56	3	2	3	1.28	2
13	MH10X	D	S	C 100	16/02/2017	VC	8.66	8.66	3	4	3	0.92	8
14	MH10X	D	S	C 100	16/02/2017	VC	1.32	1.32	-	0	1	0	0
15	B PipeX	U	S	C 100	16/02/2017	VC	11.02	11.02	-	0	1	0	0
16	MH07X	D	C	C 150	16/02/2017	VC	3.10	3.10	-	0	1	0	0
17	MH12X	U	F	C 100	16/02/2017	CI	11.26	11.26	3	2	3	0.36	4
18	MH11X	U	F	C 100	16/02/2017	CI	6.37	6.37	-	0	1	0	0
19	MH13X	D	F	C 150	16/02/2017	CI	8.07	8.07	-	5	4	0.87	7
20	MH14X	D	F	C 150	16/02/2017	CI	3.22	3.22	-	0	1	0	0
21	DP01X	U	F	C 150	16/02/2017	CI	2.39	2.39	-	0	1	0	0
22	SinksX	U	F	C 100	17/02/2017	CI	2.86	2.86	-	0	1	0	0
23	B PipeX	U	F	C 100	17/02/2017	CI	0.50	0.50	-	8	5	16	8
24	C PipeX	U	F	C 100	17/02/2017	CI	0.73	0.73	-	5	5	10	5
25	WCX	U	F	C 100	17/02/2017	CI	1.56	1.56	3	0	1	0	0
26	E PipeX	U	F	C 100	17/02/2017	CI	3.10	3.10	-	0	1	0	0
27	F PipeX	U	F	C 100	17/02/2017	CI	5.23	5.23	3	5	4	4.4	22
28	G PipeX	U	F	C 100	17/02/2017	CI	0.61	0.61	3	5	5	11.48	7
29	Rodding EyX	D	F	C 100	17/02/2017	CI	2.39	2.39	3	0	1	0	0
30	MH15X	U	F	C 150	17/02/2017	CI	14.22	14.22	-	5	4	0.35	5
31	MH14X	U	F	C 150	17/02/2017	CI	2.74	2.74	-	0	1	0	0
32	MH16X	D	F	C 150	17/02/2017	VC	2.62	2.62	-	0	1	0	0
33	MH17X	U	F	C 100	17/02/2017	VC	14.22	14.22	-	0	1	0	0
34	GullyX	U	S	C 100	17/02/2017	VC	6.41	6.41	3	0	1	0	0
35	D PipeX	U	Z	C 150	17/02/2017	VC	2.15	2.15	3	2	3	1.86	4
36	B PipeX	U	S	C 150	17/02/2017	VC	17.87	17.87	3	2	3	0.11	2

Structural Defects (SRM 4) / Inspection: 1

Project name :	Project Number :	Contact :	Date :
Highgate School, Dyne House, South	**16/328**	**Anna Collins**	**24/02/2017**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	MH01X	D	C	C 100	15/01/2017	VC	15.50	15.50	2	0	1	0	0
2	MH02X	U	C	C 150	15/02/2017	VC	8.70	8.70	3	0	1	0	0
3	A PipeX	U	C	C 150	15/02/2017	VC	6.60	6.60	-	0	1	0	0
4	MH03X	D	C	C 150	15/02/2017	VC	25.90	25.90	3	80	4	6.56	170
5	RWP01X	U	S	C 100	15/02/2017	VC	4.00	4.00	-	0	1	0	0
6	GullyX	U	S	C 100	15/02/2017	VC	26.20	26.20	-				
7	MH05X	D	S	C 100	15/02/2017	VC	15.10	15.10	3	0	1	0	0
8	MH04X	D	C	C 150	15/02/2017	VC	17.40	17.40	4	80	4	10.34	180
9	MH08X	D	S	C 100	15/02/2017	VC	23.31	23.31	3	40	3	1.72	40
10	MH06X	D	S	C 150	15/02/2017	VC	9.13	9.13	2	20	2	4.38	40
11	C PipeX	U	S	C 100	16/02/2017	VC	0.60	0.60	-	0	1	0	0
12	MH10X	D	S	C 100	16/02/2017	VC	1.56	1.56	-	0	1	0	0
13	MH10X	D	S	C 100	16/02/2017	VC	8.66	8.66	-	0	1	0	0
14	MH10X	D	S	C 100	16/02/2017	VC	1.32	1.32	-	0	1	0	0
15	B PipeX	U	S	C 100	16/02/2017	VC	11.02	11.02	1	0	1	0	0
16	MH07X	D	C	C 150	16/02/2017	VC	3.10	3.10	-	0	1	0	0
17	MH12X	U	F	C 100	16/02/2017	CI	11.26	11.26	-	0	1	0	0
18	MH11X	U	F	C 100	16/02/2017	CI	6.37	6.37	-	0	1	0	0
19	MH13X	D	F	C 150	16/02/2017	CI	8.07	8.07	-	0	1	0	0
20	MH14X	D	F	C 150	16/02/2017	CI	3.22	3.22	-	0	1	0	0
21	DP01X	U	F	C 150	16/02/2017	CI	2.39	2.39	-	0	1	0	0
22	SinksX	U	F	C 100	17/02/2017	CI	2.86	2.86	-	0	1	0	0
23	B PipeX	U	F	C 100	17/02/2017	CI	0.50	0.50	-	0	1	0	0
24	C PipeX	U	F	C 100	17/02/2017	CI	0.73	0.73	-	0	1	0	0
25	WCX	U	F	C 100	17/02/2017	CI	1.56	1.56	-	0	1	0	0
26	E PipeX	U	F	C 100	17/02/2017	CI	3.10	3.10	-	0	1	0	0
27	F PipeX	U	F	C 100	17/02/2017	CI	5.23	5.23	-	0	1	0	0
28	G PipeX	U	F	C 100	17/02/2017	CI	0.61	0.61	-	0	1	0	0
29	Rodding EyX	D	F	C 100	17/02/2017	CI	2.39	2.39	-	0	1	0	0
30	MH15X	U	F	C 150	17/02/2017	CI	14.22	14.22	-	0	1	0	0
31	MH14X	U	F	C 150	17/02/2017	CI	2.74	2.74	-	0	1	0	0
32	MH16X	D	F	C 150	17/02/2017	VC	2.62	2.62	-	0	1	0	0
33	MH17X	U	F	C 100	17/02/2017	VC	14.22	14.22	3	0	1	0	0
34	GullyX	U	S	C 100	17/02/2017	VC	6.41	6.41	-	0	1	0	0
35	D PipeX	U	Z	C 150	17/02/2017	VC	2.15	2.15	2	10	2	4.65	10
36	B PipeX	U	S	C 150	17/02/2017	VC	17.87	17.87	-	0	1	0	0

Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH01	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function: CO	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

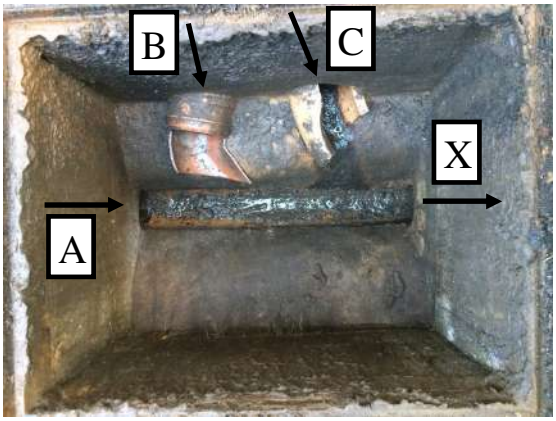
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:670x500	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:		Vermin:
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size: 590x450	Const'n Code: BR	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	A Pipe		C	100				VC		0.57	
	B	B Pipe		C	100				PVC		0.40	
	C	C Pipe		C	100				VC		0.38	
	D											
	E											
	F											
OUTGOING PIPES	X	MH02		C	100				VC		0.60	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH02	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid:	Status:	Function:	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

COVER	Shape:	Hinged:	Lockable:	Duty:	Size:	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:	Vermin:	
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size:	Const'n Code:	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A											
	B											
	C											
	D											
	E											
	F											
OUTGOING PIPES	X											
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Unable to locate

Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH03	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:CO	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

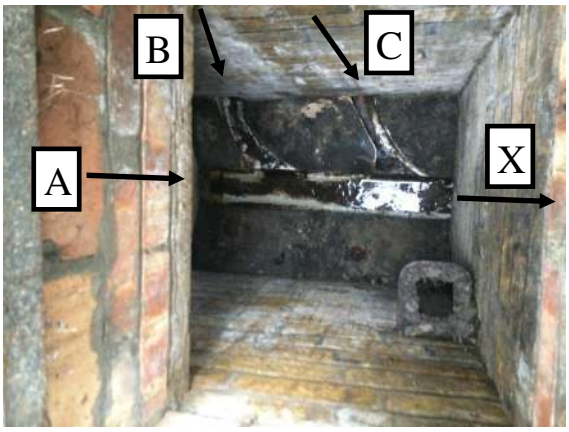
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:660x550	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses: 3	Depth: 460	Size:630x480	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 1	No. of Ladders:	No. of Landings:		
Size: 930x680	Const'n Code:BR	Depth of Flow:10mm	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	MH02		C	150				VC		1.63	
	B	RWP01		C	100				VC		1.58	
	C	GULLY		C	100				VC		1.58	
	D											
	E											
	F											
OUTGOING PIPES	X	MH04		C	150				VC		1.70	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH04	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:CO	Node Type: MH	Survey Date: 16/02/17
Manufacturer:				Grating:

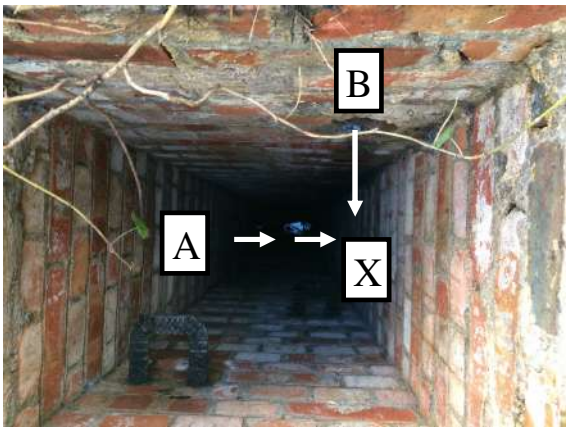
COVER	Shape: S	Hinged:	Lockable:	Duty: H	Size:920Ø	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:	Vermin:
CHAMBER	Soffit Type:	No. of Step Irons: 4	No. of Ladders:	No. of Landings:	
Size:590x470	Const'n Code:BR	Depth of Flow:5mm	Depth of Silt:	H of S:	

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	MH03		C	150				VC		4.18	
	B	B Pipe		C	100				VC		5.40	
	C											
	D											
	E											
	F											
OUTGOING PIPES	X	MH07		C	150				VC		4.30	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Slab used as a cover



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH05	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:SW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

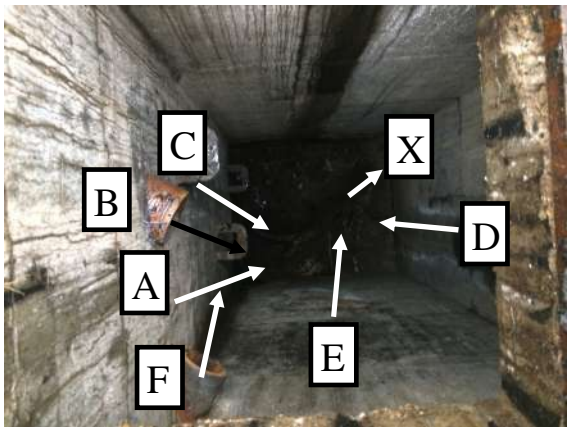
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:640x490	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses: 1	Depth: 160	Size:620x480	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 3	No. of Ladders:	No. of Landings:		
Size:1120x930	Const'n Code:CO	Depth of Flow:	Depth of Silt:10mm	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**	A Pipe		C	100				VC		3.03	
	B	B Pipe		C	100				VC		0.84	
	C	C Pipe		C	100				VC		3.00	
	D	D Pipe		C	100				VC		3.00	
	E	E Pipe		C	100				VC		3.00	
	F	F Pipe		C	100				VC		1.30	
OUTGOING PIPES	**X**	MH06		C	100				VC		3.10	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH06	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:SW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

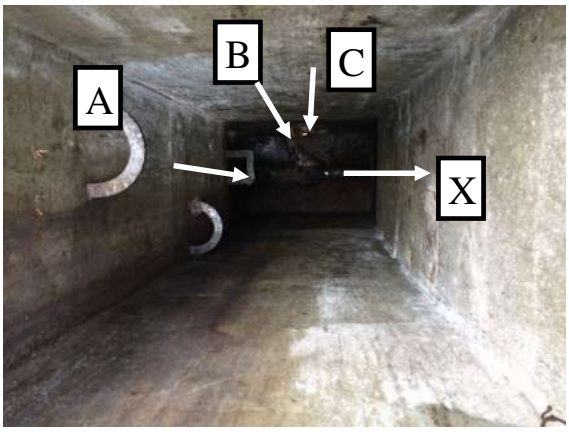
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:680x540	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:		Vermin:
CHAMBER	Soffit Type:	No. of Step Irons: 3	No. of Ladders:	No. of Landings:		
Size:630x440	Const'n Code:BR	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	MH08		C	100				VC		2.90	
	B	MH06		C	100				VC		2.80	
	C	C Pipe		C	100				VC		2.30	
	D											
	E											
	F											
OUTGOING PIPES	X	MH07		C	100				VC		3.00	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH07	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:CO	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:620x540	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:		Vermin:
CHAMBER	Soffit Type:	No. of Step Irons: 1	No. of Ladders:	No. of Landings:		

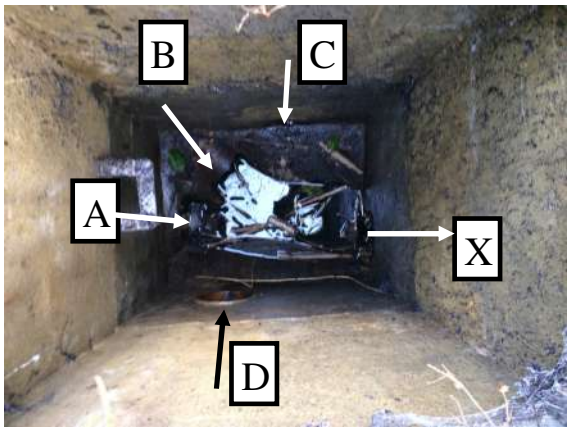
Size:680x520	Const'n Code:BR	Depth of Flow: 10mm	Depth of Silt:20mm	H of S:

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	MH08		C	150				VC		1.44	
	B	Valve Chamber		C	100				VC		1.39	
	C	MH06		C	100				VC		1.29	
	D	D Pipe		C	150				VC		1.15	
	E											
	F											
OUTGOING PIPES	X	Main		C	150				VC		1.50	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: P Trap for X Pipe



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH08	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:SW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

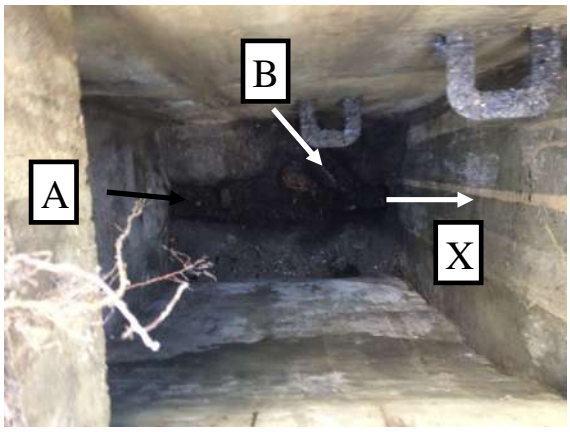
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:670x540	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 250	Size:620x460	Vermin:	
CHAMBER	Soffit Type:	No. of Step Irons: 2	No. of Ladders:	No. of Landings:		
Size:940x530	Const'n Code:BR	Depth of Flow:	Depth of Silt:80mm	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	A Pipe		C	100				VC		0.82	
	B	B Pipe		C	100				VC		0.74	
	C											
	D											
	E											
	F											
OUTGOING PIPES	X	MH08		C	100				VC		0.83	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Soffit type is tapered.



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH09	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid:	Status:	Function:	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

COVER	Shape:	Hinged:	Lockable:	Duty:	Size:	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:	Vermin:	
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size:	Const'n Code:	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A											
	B											
	C											
	D											
	E											
	F											
OUTGOING PIPES	X											
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Manhole 9 doesn't exist

Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH10	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:SW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

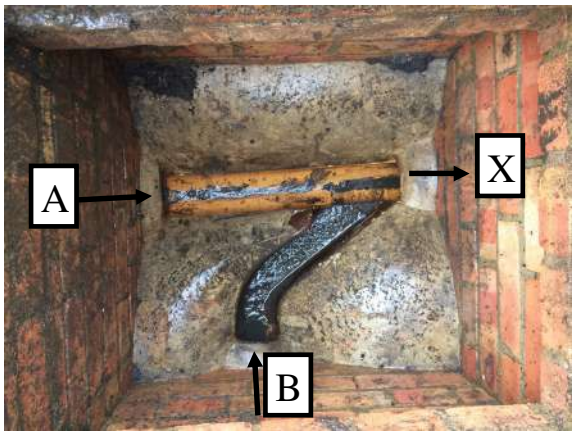
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:640x520	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 260	Size:620x480	Vermin:	
CHAMBER	Soffit Type:BR	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size:680x650	Const'n Code:BR	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	A Pipe		C	100				VC		0.87	
	B	B Pipe		C	100				VC		0.83	
	C											
	D											
	E											
	F											
OUTGOING PIPES	X	X Pipe		C	100				VC		0.85	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: X Pipe assumed into MH06



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH11	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:FW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

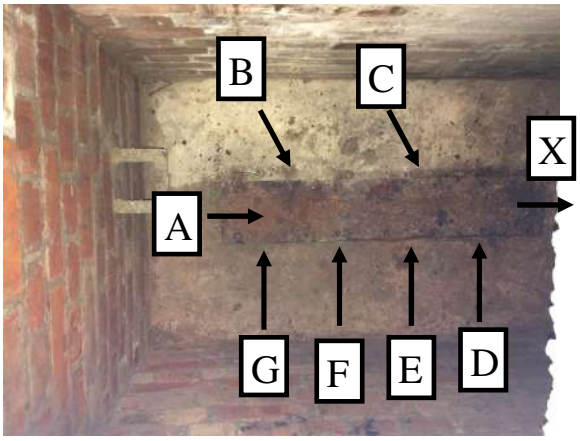
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:670x520	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 280	Size:670x420	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 1	No. of Ladders:	No. of Landings:		
Size:1430x840	Const'n Code:BR	Depth of Flow: 10mm	Depth of Silt:10mm	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**	Sink		C	100				CI		1.55	
	B	B Pipe		C	100				CI		1.45	
	C	C Pipe		C	100				CI		1.45	
	D	Toilets		C	100				CI		1.45	
	E	E Pipe		C	100				CI		1.45	
	F	F Pipe		C	100				CI		1.45	
	G	G Pipe		C	100				CI		1.45	
OUTGOING PIPES	**X**	MH12		C	100				CI		1.60	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Cover over invert, no bolts



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH13	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:FW	Node Type: MH	Survey Date: 15/02/17
Manufacturer:				Grating:

COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:680x530	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 360	Size:620x470	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 3	No. of Ladders:	No. of Landings:		
Size:1360x1300	Const'n Code:BR	Depth of Flow: 10mm	Depth of Silt:5mm	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	DP01		C	150				CI		2.40	
	B	DP02		C	100				CI		2.30	
	C	MH12		C	100				CI		2.30	
	D	DP03		C	100				CI		2.30	
	E											
	F											
OUTGOING PIPES	X	MH14		C	150				CI		2.45	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: Cast iron invert, Has a cast iron lid, nuts and bolts possibly need replacing.
2 x CI external pipes into chamber.

Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH14	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:FW	Node Type: MH	Survey Date: 17/02/17
Manufacturer:				Grating:

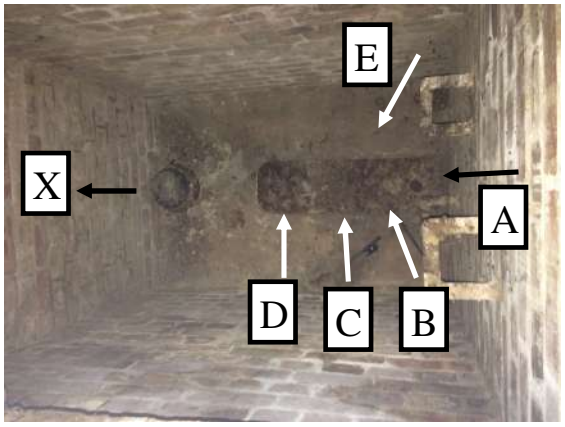
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:680x520	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 220	Size:600x450	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 3	No. of Ladders:	No. of Landings:		
Size:1380x930	Const'n Code:BR	Depth of Flow: 20mm	Depth of Silt:5mm	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**	MH13		C	150				CI		2.18	
	B	B Pipe		C	100				CI		2.10	
	C	C Pipe		C	100				CI		2.10	
	D	D Pipe		C	100				CI		2.10	
	E	E Pipe		C	100				CI		2.10	
	F											
OUTGOING PIPES	**X**	MH15		C	150				CI		2.20	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH16	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:FW	Node Type: MH	Survey Date: 17/02/17
Manufacturer:				Grating:

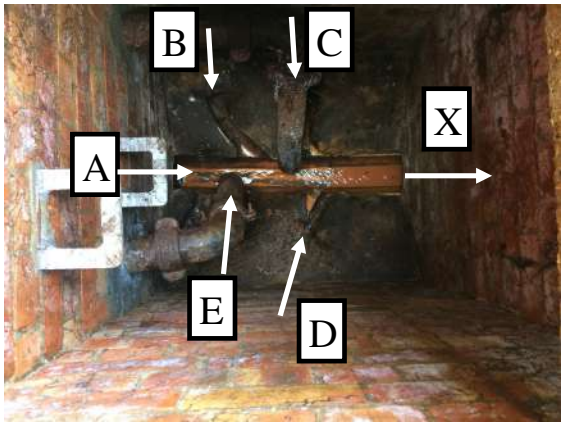
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:680x520	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:1	Depth: 240	Size:620x460	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 2	No. of Ladders:	No. of Landings:		
Size:880x820	Const'n Code:BR	Depth of Flow: 20mm	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	**A**	MH15		C	150				CI		0.79	
	B	B Pipe		C	100				VC		0.65	
	C	MH17		C	100				VC		0.65	
	D	D Pipe		C	100				VC		0.65	
	E	E Pipe		C	100				VC		0.65	
	F											
OUTGOING PIPES	**X**	Main		C	150				CI		0.80	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: 2 External cast iron pipes from the heating system.



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: MH17	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:SW	Node Type: MH	Survey Date: 17/02/17
Manufacturer:				Grating:

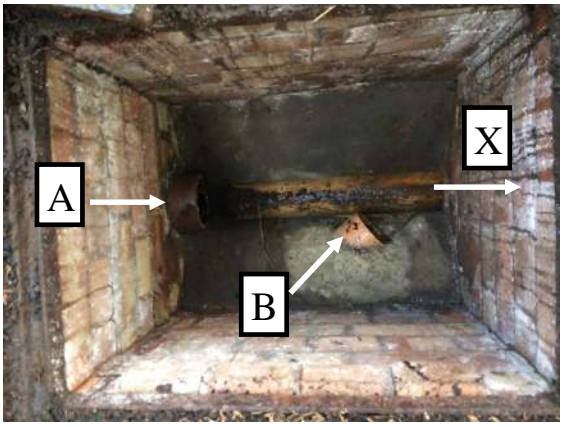
COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:750x600	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth:	Size:		Vermin:
CHAMBER	Soffit Type:	No. of Step Irons:	No. of Ladders:	No. of Landings:		
Size:620x470	Const'n Code:BR	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size			Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A	Gully		C	100				VC		0.65	
	B	Gully		C	100				PVC		0.63	
	C											
	D											
	E											
	F											
OUTGOING PIPES	X	MH16		C	100				VC		0.81	
	Y											

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks:



Sewer Surveys UK

Job Number: 16/328		Survey By: NA
Grid Ref:	Node Number: Valve Chamber	Cover Level:
Location: Highgate School, Dyne House, London		

Year Laid: Z	Status: PR	Function:	Node Type: MH	Survey Date: 17/02/17
Manufacturer:				Grating:

COVER	Shape: R	Hinged:	Lockable:	Duty: M	Size:660x500	Toxic atmos:
SHAFT	Side Entry:	Regulating Courses:	Depth: 150	Size:620x460	Vermin:	
CHAMBER	Soffit Type:S	No. of Step Irons: 4	No. of Ladders:	No. of Landings:		
Size:2200x920	Const'n Code:CO	Depth of Flow:	Depth of Silt:	H of S:		

	Pipe	U/S D/S node Reference		Shape	Pipe Size		Backdrop Diameter	Pipe Material	Lining Material	Depth from Cover (M)	Invert Level (M)
INCOMING PIPES	A										
	B										
	C										
	D										
	E										
	F										
OUTGOING PIPES	X	MH07		C	100			CI		2.90	
	Y										

CONDITION INFORMATION Enter Y if attention required. Use Remarks to clarify

Cover		Irons/Ladders		Shaft		Chamber		Benching		Other	

Remarks: X pipe only visible. Overall depth is 3.50m.

Photo 1, Location of MH01

Photo 2, View down MH01

Photo 3, Location of MH03

Photo 4, View down MH03

Photo 5, Location of MH04

Photo 6, View down MH04

Photo 7, Location of MH05

Photo 8, View down MH05

Photo 9, Location of MH06

Photo 10, View down MH06

Photo 11, View down MH07

Photo 12, Location of MH08

Photo 13, View down MH08

Photo 14, Location of MH10

Photo 15, View down MH10