



UKDN Waterflow (LG) Ltd

45059
45059
06/07/2016 10:03:05

Site Details
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE



CCTV SURVEY REPORT

UKDN Waterflow (LG) Ltd, Technical Services
Block A-The Courtyard • 12 Waterside Drive • Langley Business Park • Slough • SL3 6EZ
Tel 01753 810 999 Fax 01753 681 442
www.ukdnwaterflow.co.uk



Place : UKDN Waterflow (LG) Ltd
Slough
Berkshire
Tel: 01753 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk

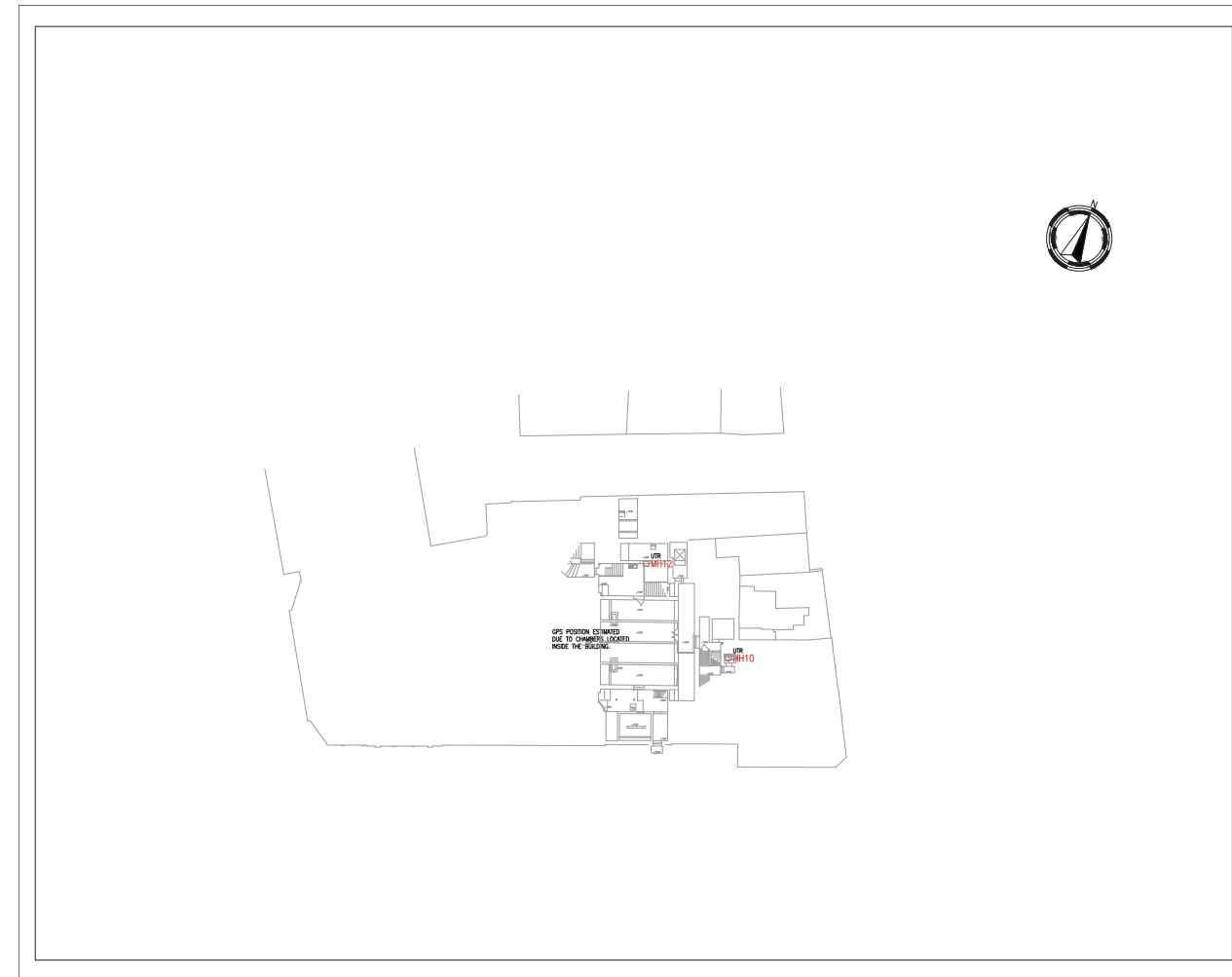
Project-information

Project name : 45059 Project Number : Contact : Date : 06/07/2016

Client: HEYNE TILLET STEEL LIMITED
Contact Name: MATT TURNER
Department:
Road: 4 PEAR TREE COURT
Town: LONDON
County: EC1R 0DS
Telephone: 07762 036486
Fax:
Mobile:
E-mail: mturner@hts.uk.com

Site: THE HOPE PROJECT
Contact Name:
Department:
Road: CAMDEN HIGH STREET
Town: LONDON
County: NW1 7JE
Telephone:
Fax:
Mobile:
E-mail:

Contractor: UKDN Waterflow (LG) Ltd
Contact Name: 686 Stirling Road
Department: Slough Trading Estate
Road: Slough
Town: Berkshire
County: SL1 4ST
Telephone: 03333 449099
Fax:
Mobile:
E-mail: ts.sales@ukdnwaterflow.co.uk



NOTES
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

LEGEND	
BL	Base Level
CI	Cast Iron
CL	Cover Level
G	Gully
N	Invert Level
M/S	Manhole
PF	Pitch Pipe
RG	Road Gully
RWP	Rain Water Pipe
SA	Survey Abandoned
SV	Soil Vent pipe
UPVC	Polyvinyl Chloride
UTL	Unable To Locate
UTR	Unable To Read
UT	Unable To Trace
VC	Vertical Clay
FW	Foul Water
CSW	Combined Water
SW	Surface water
AR	Assumed Run

No	Rev	Date	Description
1	1		Issue
2	1		Issue
3	1		Issue



HEYNE TILLET STEEL LIMITED
4 PEAR TREE COURT
LONDON EC1R 0DS

Project Title: THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON NW1 7JE

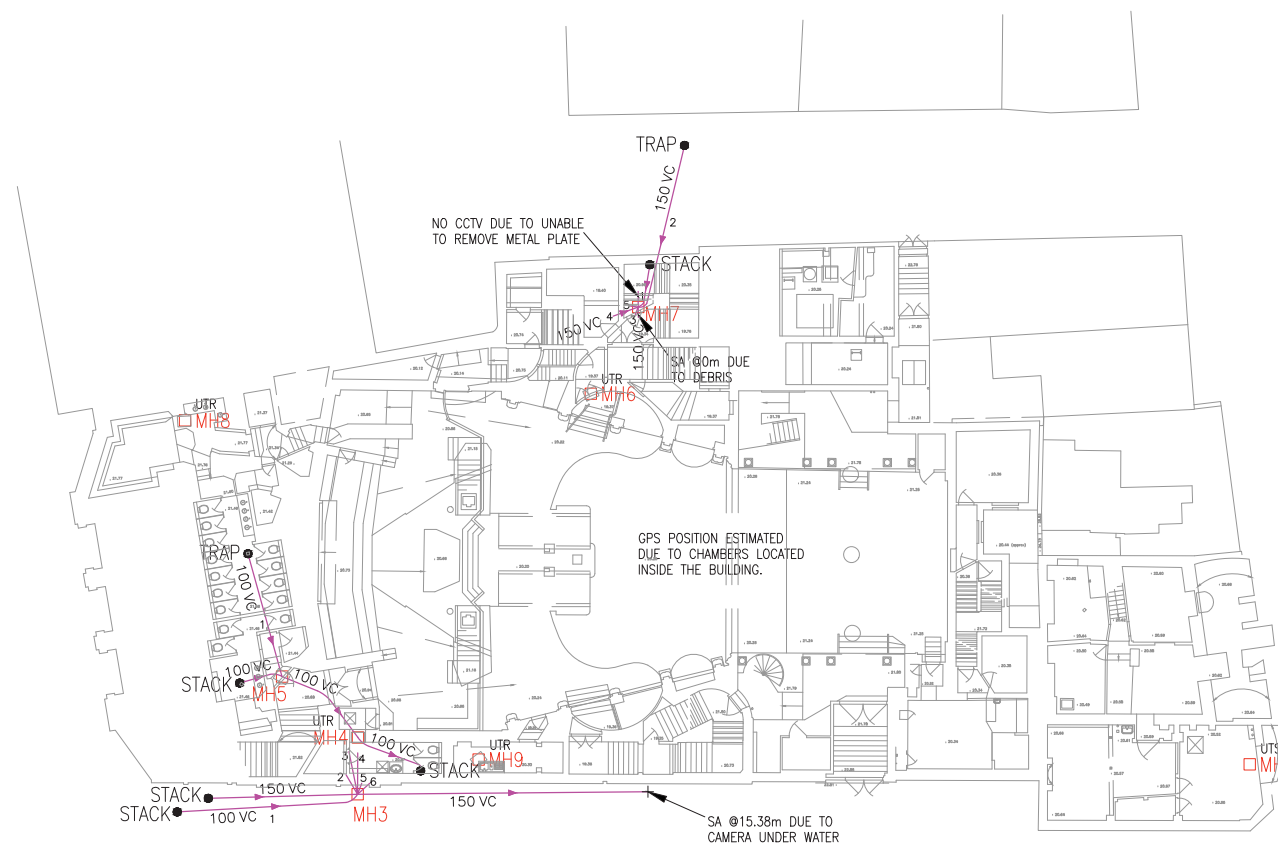
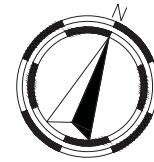
Drawing Title: UNDERGROUND DRAINAGE LAYOUT DRAWING
BASEMENT PLAN

Drawing Scale:	1:200		
Prepared By:	DDC Ltd	Date:	Jul 2016
Drawn By:	NM	Date:	Sep 2016
Checked By:	RA	Date:	Sep 2016
Approved By:	DSW	Date:	Sep 2016
Drawing Number:	45059	Revision:	02

NOTES
 1. DO NOT SCALE FROM THIS DRAWING
 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

LEGEND

- BL Base Level
 - CI Cast Iron
 - CL Cover Level
 - G Gully
 - IL Invert Level
 - MH Manhole
 - PF Pitch Fibre
 - RG Road Gully
 - RWP Rain Water Pipe
 - SA Survey Abandoned
 - SVP Soil Vent pipe
 - uPVC Polyvinyl Chloride
 - UTL Unable To Locate
 - UTR Unable To Raise
 - UTT Unable To Trace
 - VC Vitriified Clay
-
- Foul Water
 - Combined Water
 - Surface water
 - - - Assumed Runs



Revision	By	Date	Ch/App	Description
02	NM	Nov 16		REVISION 02
01	NM	Sep 16		FIRST ISSUE



Block A, The Courtyard, Langley Business Park, Waterside Drive, Slough, SL3 6EZ
 © 01753 810999 solutions@ukdnwaterflow.co.uk www.ukdnwaterflow.co.uk

Client:
 HEYNE TILLET STIEL LIMITED
 4 PEAR TREE COURT
 LONDON EC1R 0DS

Project Title:
 THE HOPE PROJECT
 CAMDEN HIGH STREET
 LONDON NW1 7JE

Drawing Title:
 UNDERGROUND DRAINAGE LAYOUT DRAWING
 LOWER GROUND FLOOR

Drawing Scale: 1:200
 Surveyed By: DDC Ltd Date: Jul 2016
 Drawn By: NM Date: Sep 2016
 Checked By: RA Date: Sep 2016
 Approved By: DSW Date: Sep 2016

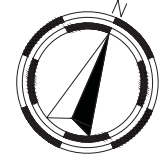
Drawing Number: 45059 Revision: 02



NOTES
 1. DO NOT SCALE FROM THIS DRAWING
 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

LEGEND

BL	Base Level
CI	Cast Iron
CL	Cover Level
G	Gully
IL	Invert Level
MH	Manhole
PF	Pitch Fibre
RG	Road Gully
RWP	Rain Water Pipe
SA	Survey Abandoned
SVP	Soil Vent pipe
uPVC	Polyvinyl Chloride
UTL	Unable To Locate
UTR	Unable To Raise
UTT	Unable To Trace
VC	Vitrified Clay
	Foul Water
	Combined Water
	Surface water
	Assumed Runs



Revision	By	Date	Ch/App	Description
02	NM	Nov 16		REVISION 02
01	NM	Sep 16		FIRST ISSUE

Block A, The Courtyard, Langley Business Park, Waterside Drive, Slough, SL3 6EZ
 t: 01753 810999 e: solutions@ukdnwaterflow.co.uk www.ukdnwaterflow.co.uk

Client:
HEYNE TILLET STIEL LIMITED
 4 PEAR TREE COURT
 LONDON EC1R 0DS

Project Title:
THE HOPE PROJECT
 CAMDEN HIGH STREET
 LONDON NW1 7JE

Drawing Title:
UNDERGROUND DRAINAGE LAYOUT DRAWING
 GROUND FLOOR

Drawing Scale: 1:200
 Surveyed By: DDC Ltd Date: Jul 2016
 Drawn By: NM Date: Sep 2016
 Checked By: RA Date: Sep 2016
 Approved By: DSW Date: Sep 2016

Drawing Number: 45059 Revision: 02

Place :



UKDN Waterflow (LG) Ltd
Slough
Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk



ΣØ / Main sections

Project name :
45059

Project number :

Contact :

Date :
06/07/2016

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
1	BR1	MH1	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.20	1.20
2	BR2	MH1	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.31	1.31
3	MAIN RUN	MH1	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	9.66	9.66
4	MAIN RUN	MH2	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	2.52	2.52
5	MH1	MAIN RUN	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.11	0.11
6	BR1	MH3	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	9.77	9.77
7	BR2	MH3	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.20	1.20
8	BR3	MH3	06/07/2016	CAMDEN HIGH STREET		Cast iron	2.30	2.30
9	BR4	MH3	06/07/2016	CAMDEN HIGH STREET		Cast iron	2.19	2.19
10	BR5	MH3	06/07/2016	CAMDEN HIGH STREET		Cast iron	0.00	0.00
11	BR6	MH3	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.09	1.09
14	BR1	MH5	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	6.26	6.26
15	MAIN RUN	MH5	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	3.73	3.73
16	MH5	MAIN RUN	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	4.61	4.61
17	MH4	MAIN RUN	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	3.95	3.95
20	BR3	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.10	0.10
22	BR5	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.21	0.21
24	BR1	MH11	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.42	1.42
25	BR2	MH11	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	5.93	5.93
26	MAIN RUN	MH11	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	2.30	2.30
27	MH11	MH13	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	3.18	3.18
28	BR1	MH13	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.00	0.00
29	BR2	MH13	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.65	0.65
30	BR3	MH13	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	3.62	3.62
31	BR5	MH13	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	3.18	3.18
32	MH13	MAIN RUN	08/07/2016	CAMDEN HIGH STREET		Vitrified clay	7.69	7.69
33	BR4	MH13	08/07/2016	CAMDEN HIGH STREET		Cast iron	2.41	2.41

Pipe size: CIRCULAR 100 = 80.59 m (80.59 m)

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
12	MAIN RUN	MH3	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	7.91	7.91
13	MH3	MAIN RUN	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	15.38	15.38
18	BR1	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	2.41	2.41
19	BR2	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	9.12	9.12
21	BR4	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	1.42	1.42
23	MAIN RUN	MH7	06/07/2016	CAMDEN HIGH STREET		Vitrified clay	0.00	0.00

Pipe size: CIRCULAR 150 = 36.24 m (36.24 m)

All sections = 116.83 m (116.83 m)

GRADE 3,4 & 5 Summary

STRUCTURAL DEFECTS

Structural defects			
Section	PLR	Grade	Fault description
13	MH3 X	4	Broken pipe at joint, from 1 to 3 o'clock
19	BR2 X	4	Broken pipe, from 10 to 12 o'clock

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

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

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

SERVICE / OPERATIONAL DEFECTS

Service defects			
Section	PLR	Grade	Fault description
1	BR1 X	5	Multiple defects at 1.2m
5	MH1 X	5	Multiple defects at 0.1m
7	BR2 X	3	Multiple defects at 0.8m
8	BR3 X	5	Multiple defects at 2.3m
10	BR5 X	4	Multiple defects at 0.0m
11	BR6 X	5	Multiple defects at 1.0m
12	MAIN RUN X	4	Multiple defects at 7.9m
18	BR1 X	3	Settled deposits, coarse, 10% cross-sectional area loss
20	BR3 X	5	Multiple defects at 0.1m
21	BR4 X	5	Multiple defects at 1.4m
22	BR5 X	5	Multiple defects at 0.2m
23	MAIN RUN X	4	Multiple defects at 0.0m
26	MAIN RUN X	3	Settled deposits, coarse, 10% cross-sectional area loss
27	MH11 X	3	Settled deposits, coarse, 10% cross-sectional area loss
28	BR1 X	3	Multiple defects at 0.0m
30	BR3 X	3	Multiple defects at 3.6m
32	MH13 X	4	Attached deposits, encrustation, from 4 to 6 o'clock, 20% cross-se

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

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

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

Abandoned Surveys

Camera no access		
Section	PLR	Fault description
1	BR1 X	Settled deposits, fine, 80% cross-sectional area loss
5	MH1 X	Settled deposits, fine, 80% cross-sectional area loss
8	BR3 X	Settled deposits, coarse, 80% cross-sectional area loss
10	BR5 X	Attached deposits, encrustation, from 3 to 8 o'clock, 30% cross-se
11	BR6 X	Settled deposits, coarse, 60% cross-sectional area loss



13	MH3 X	Loss of vision, camera under water
20	BR3 X	Attached deposits, encrustation at joint, from 3 to 6 o'clock, 20% cross-s
21	BR4 X	Settled deposits, coarse, 20% cross-sectional area loss, End
22	BR5 X	Attached deposits, encrustation at joint, from 4 to 7 o'clock, 20% cross-s
23	MAIN RUN X	Settled deposits, coarse, 60% cross-sectional area loss
30	BR3 X	Settled deposits, coarse, 10% cross-sectional area loss

Information

These summaries are based on the SRM grading from the WRC

UKDN Waterflow (LG) Ltd, Slough, Berkshire, Tel: 03333 449099, Fax:

45059		No.	OC
1		1	JDM
2		6	JDM
3		11	JDM

Place :



UKDN Waterflow (LG) Ltd
Slough
Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk

Service / Operational Defects (SRM 4)

Project name :
45059

Project Number :

Contact :

Date :
06/07/2016

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	BR1X	U	C	C 100	06/07/2016	VC	1.20	1.20	3	10	5	8.33	10
2	BR2X	U	C	C 100	06/07/2016	VC	1.31	1.31	-	0	1	0	0
3	MAIN RUNX	U	C	C 100	06/07/2016	VC	9.66	9.66	-	0	1	0	0
4	MAIN RUNX	U	C	C 100	06/07/2016	VC	2.52	2.52	-	0	1	0	0
5	MH1X	D	C	C 100	06/07/2016	VC	0.11	0.11	3	10	5	90.91	10
6	BR1X	U	C	C 100	06/07/2016	VC	9.77	9.77	1	0	1	0	0
7	BR2X	U	C	C 100	06/07/2016	VC	1.20	1.20	2	1.6	3	1.33	1.6
8	BR3X	U	C	C 100	06/07/2016	CI	2.30	2.30	3	10	5	5.22	12
9	BR4X	U	C	C 100	06/07/2016	CI	2.19	2.19	-	0	1	0	0
10	BR5X	U	C	C 100	06/07/2016	CI	0.00	0.00	2	5	4	0	5
11	BR6X	U	C	C 100	06/07/2016	VC	1.09	1.09	3	8	5	7.34	8
12	MAIN RUNX	U	C	C 150	06/07/2016	VC	7.91	7.91	3	8	4	1.26	10
13	MH3X	D	C	C 150	06/07/2016	VC	15.38	15.38	-	0	1	0	0
14	BR1X	U	C	C 100	06/07/2016	VC	6.26	6.26	-	0	1	0	0
15	MAIN RUNX	U	C	C 100	06/07/2016	VC	3.73	3.73	-	0	1	0	0
16	MH5X	D	C	C 100	06/07/2016	VC	4.61	4.61	-	0	1	0	0
17	MH4X	D	C	C 100	06/07/2016	VC	3.95	3.95	-	0	1	0	0
18	BR1X	U	C	C 150	06/07/2016	VC	2.41	2.41	3	2	3	1.66	4
19	BR2X	U	C	C 150	06/07/2016	VC	9.12	9.12	-	0	1	0	0
20	BR3X	U	C	C 100	06/07/2016	VC	0.10	0.10	2	5	5	50	5
21	BR4X	U	C	C 150	06/07/2016	VC	1.42	1.42	3	10	5	8.1	11.5
22	BR5X	U	C	C 100	06/07/2016	VC	0.21	0.21	2	5	5	23.81	5
23	MAIN RUNX	U	C	C 150	06/07/2016	VC	0.00	0.00	3	8	4	0	8
24	BR1X	U	C	C 100	08/07/2016	VC	1.42	1.42	-	0	1	0	0
25	BR2X	U	C	C 100	08/07/2016	VC	5.93	5.93	-	0	1	0	0
26	MAIN RUNX	U	C	C 100	08/07/2016	VC	2.30	2.30	3	2	3	0.87	2
27	MH11X	D	C	C 100	08/07/2016	VC	3.18	3.18	3	2	3	0.63	2
28	BR1X	U	C	C 100	08/07/2016	VC	0.00	0.00	2	2	3	0	2
29	BR2X	U	C	C 100	08/07/2016	VC	0.65	0.65	-	0	1	0	0
30	BR3X	U	C	C 100	08/07/2016	VC	3.62	3.62	3	2	3	0.55	2
31	BR5X	U	C	C 100	08/07/2016	VC	3.18	3.18	2	0	1	0	0
32	MH13X	D	C	C 100	08/07/2016	VC	7.69	7.69	2	7	4	2.5	19.2
33	BR4X	U	C	C 100	08/07/2016	CI	2.41	2.41	-	0	1	0	0

Place :



UKDN Waterflow (LG) Ltd
Slough
Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk

Structural Defects (SRM 4)

Project name :
45059


Project Number :

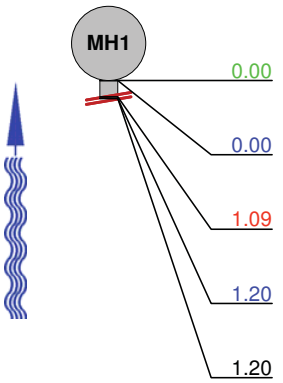
Contact :


Date :
06/07/2016

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	BR1X	U	C	C 100	06/07/2016	VC	1.20	1.20	1	1	1	0.83	1
2	BR2X	U	C	C 100	06/07/2016	VC	1.31	1.31	-	0	1	0	0
3	MAIN RUNX	U	C	C 100	06/07/2016	VC	9.66	9.66	-	0	1	0	0
4	MAIN RUNX	U	C	C 100	06/07/2016	VC	2.52	2.52	-	0	1	0	0
5	MH1X	D	C	C 100	06/07/2016	VC	0.11	0.11	-	0	1	0	0
6	BR1X	U	C	C 100	06/07/2016	VC	9.77	9.77	1	1	1	0.1	1
7	BR2X	U	C	C 100	06/07/2016	VC	1.20	1.20	-	0	1	0	0
8	BR3X	U	C	C 100	06/07/2016	CI	2.30	2.30	-	0	1	0	0
9	BR4X	U	C	C 100	06/07/2016	CI	2.19	2.19	-	0	1	0	0
10	BR5X	U	C	C 100	06/07/2016	CI	0.00	0.00	-	0	1	0	0
11	BR6X	U	C	C 100	06/07/2016	VC	1.09	1.09	1	1	1	0.92	1
12	MAIN RUNX	U	C	C 150	06/07/2016	VC	7.91	7.91	2	20	2	5.06	40
13	MH3X	D	C	C 150	06/07/2016	VC	15.38	15.38	4	80	4	5.2	80
14	BR1X	U	C	C 100	06/07/2016	VC	6.26	6.26	-	0	1	0	0
15	MAIN RUNX	U	C	C 100	06/07/2016	VC	3.73	3.73	-	0	1	0	0
16	MH5X	D	C	C 100	06/07/2016	VC	4.61	4.61	2	10	2	2.17	10
17	MH4X	D	C	C 100	06/07/2016	VC	3.95	3.95	-	0	1	0	0
18	BR1X	U	C	C 150	06/07/2016	VC	2.41	2.41	-	0	1	0	0
19	BR2X	U	C	C 150	06/07/2016	VC	9.12	9.12	4	80	4	9.87	90
20	BR3X	U	C	C 100	06/07/2016	VC	0.10	0.10	-	0	1	0	0
21	BR4X	U	C	C 150	06/07/2016	VC	1.42	1.42	-	0	1	0	0
22	BR5X	U	C	C 100	06/07/2016	VC	0.21	0.21	-	0	1	0	0
23	MAIN RUNX	U	C	C 150	06/07/2016	VC	0.00	0.00	-	0	1	0	0
24	BR1X	U	C	C 100	08/07/2016	VC	1.42	1.42	2	10	2	7.04	10
25	BR2X	U	C	C 100	08/07/2016	VC	5.93	5.93	2	10	2	6.75	40
26	MAIN RUNX	U	C	C 100	08/07/2016	VC	2.30	2.30	-	0	1	0	0
27	MH11X	D	C	C 100	08/07/2016	VC	3.18	3.18	-	0	1	0	0
28	BR1X	U	C	C 100	08/07/2016	VC	0.00	0.00	-	0	1	0	0
29	BR2X	U	C	C 100	08/07/2016	VC	0.65	0.65	-	0	1	0	0
30	BR3X	U	C	C 100	08/07/2016	VC	3.62	3.62	-	0	1	0	0
31	BR5X	U	C	C 100	08/07/2016	VC	3.18	3.18	2	10	2	3.14	10
32	MH13X	D	C	C 100	08/07/2016	VC	7.69	7.69	2	20	2	2.6	20
33	BR4X	U	C	C 100	08/07/2016	CI	2.41	2.41	-	0	1	0	0

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection report</h3>					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 1	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Road : CAMDEN HIGH STREET	Location details: Catchment: Tape number : 1 Pipe Length: 1.00 m	U/S MH : BR1	U/S Depth : 1	D/S MH : MH1
Inspection MH1 (U/S) BR1	Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay
Purpose : Sample survey to determine asset condition	Total length : 1.20 m	Lining :	Comment : TEXT SHOULD READ 100MM		

1:500 Position	Code	Observation	Grade
Depth: 1.32			
	MH	Start node type, manhole, reference number : MH1	(Constr) 0
	WL	Water level, 0% of the vertical dimension	(Serv) 0
	JDM	Joint displaced, medium Remarks: 1.09	(Struct) 1
	DES	Settled deposits, fine, 80% cross-sectional area loss	(Serv) 5
	SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0




1.2 m // 00:01:09

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	1	0.83	1	1	1	10	8.33	10	5

45059 // Page: 5

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection pictures</h3>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 1	PLR Suffix : X	




Photo: 1_1_5_A.JPG
1.2m, Settled deposits, fine, 80% cross-sectional area loss

45059 // Page: 6

Place :

UKDN Waterflow (LG) Ltd
Slough
Street : Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk

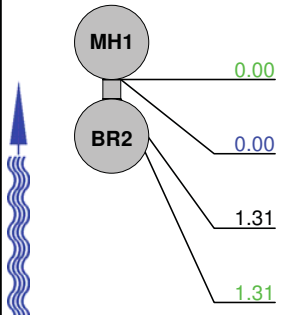


Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 2	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset : SP12	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length : 1.00 m	U/S MH : BR2
Road : CAMDEN HIGH STREET	Difficult access	U/S Depth : MH1
Location Inspection MH1 (U/S) BR2		D/S MH : MH1
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 1.31 m	Lining :	

Comment : **TEXT SHOULD READ 100MM**

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH1	(Constr) 0
		WL	Water level, 0% of the vertical dimension	(Serv) 0
		REM	General remark Remarks: REAR OF GULLY TRAP	(Misc) 0
		OCF	Finish node type, other special chamber reference number: BR2 Remarks: GULLY TRAP REACHED	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

45059 // Page: 7

Place :

UKDN Waterflow (LG) Ltd
Slough
Street : Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk

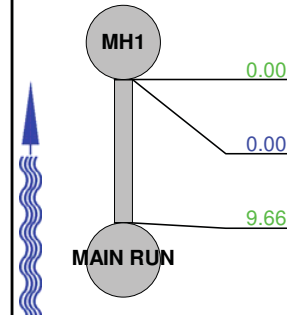


Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 3	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset : SP12	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length : 1.00 m	U/S MH : MAIN RUN
Road : CAMDEN HIGH STREET	Difficult access	U/S Depth : MH1
Location Inspection MH1 (U/S) MAIN RUN		D/S MH : MH1
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 9.66 m	Lining :	

Comment : **TEXT SHOULD READ 100MM**

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH1	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		MHF	Finish node type, manhole reference number: MAIN RUN Remarks: MH2	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

45059 // Page: 8

Place :

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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 4	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MAIN RUN
Road : CAMDEN HIGH STREET		U/S Depth :
Location Difficult access		D/S MH : MH2
Inspection MH2 (U/S) MAIN RUN		D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 2.52 m	Lining :	

Comment : **TEXT SHOULD READ 100MM**

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH2	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: MAIN RUN Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

45059 // Page: 9

Place :

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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 5	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MH1
Road : CAMDEN HIGH STREET		U/S Depth :
Location Difficult access		D/S MH : MAIN RUN
Inspection MH1 (D/S) MAIN RUN		D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 0.11 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH1	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		REM	General remark Remarks: REAR OF TRAP	(Misc) 0
		DES	Settled deposits, fine, 80% cross-sectional area loss	(Serv) 5
		SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0



0.11 m // 00:03:31

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	90.91	10	5

45059 // Page: 10

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 5	PLR Suffix : X
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Photo: 6_6_21_A.JPG
0.11m, Settled deposits, fine, 80% cross-sectional area loss

Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 6	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details:	U/S MH : BR1
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH3
Inspection MH3 (U/S) BR1	Pipe Length 1.00 m	D/S Depth : 1.46
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 9.77 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
Depth: 1.46				
	MH3	MH	Start node type, manhole, reference number : MH3	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		LD	Line deviates down Remarks: SLIGHT	(Serv) 0
	BR1	JDM	Joint displaced, medium	(Struct) 1
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: BR1 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	1	0.1	1	1	0	0	0	0	1

Place :

UKDN Waterflow (LG) Ltd
Slough
Street : Berkshire
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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 7	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : BR2
Road : CAMDEN HIGH STREET	U/S Depth :	U/S MH : MH3
Location Difficult access	Direction Use: Combined	Pipe shape : Circular
Inspection MH3 (U/S) BR2	Year laid : Z	Pipe size : 100 mm
Direction Use: Combined	Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay
Year laid : Z	Total length : 1.20 m	Lining :

Comment :

1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH3	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	S01	Attached deposits, encrustation, from 7 to 5 o'clock, 5% cross-sectional area loss, Start	(Serv) 3
	0.87	F01	Attached deposits, encrustation, from 7 to 5 o'clock, 5% cross-sectional area loss, End	(Serv) 3
	0.87	LU	Line deviates up Remarks: SHARP	(Serv) 0
	1.20	OCF	Finish node type, other special chamber reference number: BR2 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	1.6	1.33	1.6	3

45059 // Page: 13

Place :

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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 8	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : BR3
Road : CAMDEN HIGH STREET	U/S Depth :	U/S MH : MH3
Location Difficult access	Direction Use: Combined	Pipe shape : Circular
Inspection MH3 (U/S) BR3	Year laid : Z	Pipe size : 100 mm
Direction Use: Combined	Purpose : Sample survey to determine asset condition	Pipe material : Cast iron
Year laid : Z	Total length : 2.30 m	Lining :

Comment :

1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH3	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.86	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
	1.86	LU	Line deviates up Remarks: SHARP	(Serv) 0
	2.30	DER	Settled deposits, coarse, 80% cross-sectional area loss	(Serv) 5
	2.30	SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	10	5.22	12	5

45059 // Page: 14

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 8	PLR Suffix : X
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Photo: 9_9_44_A.JPG
2.3m, Settled deposits, coarse, 80% cross-sectional area loss

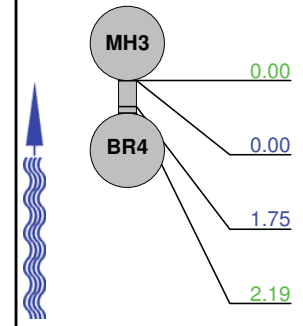
Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 9	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12


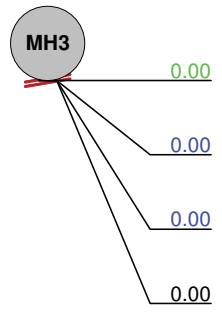
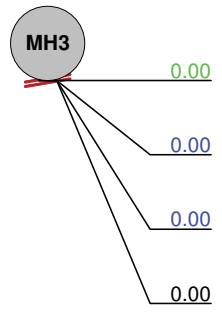
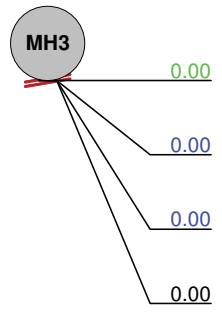
Place : LONDON	Location details:	U/S MH : BR4
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH3
Inspection MH3 (U/S) BR4	Pipe Length 1.00 m	D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Cast iron	
Total length : 2.19 m	Lining :	

Comment :



1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH3	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: BR4 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk																												
<h3>Inspection report</h3>																														
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 10	PLR SUFFIX: X																									
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12																									
Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Tape number : 1	U/S MH : BR5	U/S Depth : MH3																										
Location Inspection MH3 (U/S) BR5	Difficult access	Pipe Length 1.00 m	D/S MH : MH3	D/S Depth :																										
Direction Use: Year laid : Purpose : Total length :	Combined Z Sample survey to determine asset condition 0.00 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Cast iron																											
Comment :																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>1:500</th> <th>Position</th> <th>Code</th> <th>Observation</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td></td> <td>MH3</td> <td>MH</td> <td>Start node type, manhole, reference number : MH3</td> <td>(Constr) 0</td> </tr> <tr> <td></td> <td>0.00</td> <td>WL</td> <td>Water level, 5% of the vertical dimension</td> <td>(Serv) 0</td> </tr> <tr> <td></td> <td>0.00</td> <td>DEE</td> <td>Attached deposits, encrustation, from 3 to 8 o'clock, 30% cross-sectional area loss</td> <td>(Serv) 4</td> </tr> <tr> <td></td> <td>0.00</td> <td>SA</td> <td>Survey abandoned Remarks: DUE TO SCALE</td> <td>(Misc) 0</td> </tr> </tbody> </table>						1:500	Position	Code	Observation	Grade		MH3	MH	Start node type, manhole, reference number : MH3	(Constr) 0		0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0		0.00	DEE	Attached deposits, encrustation, from 3 to 8 o'clock, 30% cross-sectional area loss	(Serv) 4		0.00	SA	Survey abandoned Remarks: DUE TO SCALE	(Misc) 0
1:500	Position	Code	Observation	Grade																										
	MH3	MH	Start node type, manhole, reference number : MH3	(Constr) 0																										
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0																										
	0.00	DEE	Attached deposits, encrustation, from 3 to 8 o'clock, 30% cross-sectional area loss	(Serv) 4																										
	0.00	SA	Survey abandoned Remarks: DUE TO SCALE	(Misc) 0																										
Structural Defects			Constructional Features																											
Service Defects			Miscellaneous Features																											
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	5	4																					

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection pictures</h3>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 10	PLR Suffix : X	
					
<p>Photo: 11_11_52_A.JPG 0m, Attached deposits, encrustation, from 3 to 8 o'clock, 30% cross-sectional area loss</p>					

Place : **LONDON**

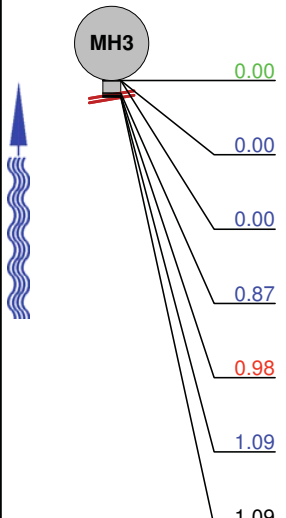
UKDN Waterflow (LG) Ltd
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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 11	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset : 	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Road : CAMDEN HIGH STREET	U/S MH : BR6
Location Difficult access	Catchment: Tape number : 1	U/S Depth :
Inspection MH3 (U/S) BR6	Pipe Length: 1.00 m	D/S MH : MH3
Direction Use: Combined	Pipe shape : Circular	D/S Depth :
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 1.09 m	Lining : 	

Comment :

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH3	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LL	Line deviates left Remarks: SHARP	(Serv) 0
	0.87	LR	Line deviates right Remarks: SHARP	(Serv) 0
	0.98	JDM	Joint displaced, medium	(Struct) 1
	1.09	DER	Settled deposits, coarse, 60% cross-sectional area loss	(Serv) 4
	1.09	SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	1	0.92	1	1	1	8	7.34	8	5

45059 // Page: 19

Place : **LONDON**

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Inspection pictures

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 11	PLR Suffix : X
--------------------------	-------------------------------------	-----------------------------	-------------------------------	--------------------------






Photo: 11_1_5_18072016_124455_A.jpg
0.98m, Joint displaced, medium





Photo: 12_12_59_A.JPG
1.09m, Settled deposits, coarse, 60% cross-sectional area loss

45059 // Page: 20

Inspection report					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 12	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset : 	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MAIN RUN
Road : CAMDEN HIGH STREET	Difficult access	U/S Depth :
Location MH3 (U/S) MAIN RUN		D/S MH : MH3
Direction Use: Combined	Pipe shape : Circular	D/S Depth :
Year laid : Z	Pipe size : 150 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 7.91 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade	
		MH3	Start node type, manhole, reference number : MH3	(Constr) 0	
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0	1.31 m // 00:01:04
	0.00	LU	Line deviates up Remarks: SLIGHT	(Serv) 0	
	0.65	REM	General remark Remarks: LINE LEVELS OUT	(Misc) 0	5.38 m // 00:01:48
	1.29	LU	Line deviates up Remarks: SLIGHT	(Serv) 0	
	1.31	CCJ	Crack, circumferential at joint, from 1 to 4 o'clock	(Struct) 2	6.48 m // 00:02:32
	5.38	CLJ	Crack, longitudinal at joint, at 1 o'clock	(Struct) 2	
	5.38	CL	Crack, longitudinal, at 2 o'clock	(Struct) 2	7.14 m // 00:03:01
	6.48	CLJ	Crack, longitudinal at joint, at 2 o'clock	(Struct) 2	
	7.14	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3	
	7.91	DER	Settled deposits, coarse, 50% cross-sectional area loss	(Serv) 4	
	7.91	LU	Line deviates up Remarks: SHARP	(Serv) 0	
	7.91	OCF	Finish node type, other special chamber reference number: MAIN RUN Remarks: BASE OF STACK IN VIEW	(Constr) 0	

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	20	5.06	40	2	2	8	1.26	10	4

Inspection pictures				
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 12	PLR Suffix : X



Photo: 12_1_6_18072016_124539_A.jpg
 1.31m, Crack, circumferential at joint, from 1 to 4 o'clock



Photo: 12_1_7_18072016_124600_A.jpg
 5.38m, Crack, longitudinal at joint, at 1 o'clock

Place : UKDN Waterflow (LG) Ltd
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Inspection pictures

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 12	PLR Suffix : X
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Photo: 12_1_9_18072016_124627_A.jpg
6.48m, Crack, longitudinal at joint, at 2 o'clock



Photo: 13_13_70_A.JPG
7.14m, Settled deposits, coarse, 10% cross-sectional area loss

Place : UKDN Waterflow (LG) Ltd
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Berkshire
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Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 13	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MH3 U/S Depth : D/S MH : MAIN RUN D/S Depth :
Direction Use: Combined	Year laid : Z	Pipe shape : Circular
Purpose : Sample survey to determine asset condition	Total length : 15.38 m	Pipe size : 150 mm
		Pipe material : Vitrified clay
		Lining :

Comment :

1:500	Position	Code	Observation	Grade
	0.00	MH	Start node type, manhole, reference number : MH3	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.75	JN	Junction, at 10 o'clock, diameter 100mm	(Constr) 0
	8.02	WL	Water level, 20% of the vertical dimension	(Serv) 0
	8.79	WL	Water level, 30% of the vertical dimension	(Serv) 0
	8.79	REM	General remark Remarks: TOILET WASTE	(Misc) 0
	10.21	WL	Water level, 5% of the vertical dimension	(Serv) 0
	13.29	WL	Water level, 20% of the vertical dimension	(Serv) 0
	13.84	BJ	Broken pipe at joint, from 1 to 3 o'clock	(Struct) 4
	14.83	CUW	Loss of vision, camera under water	(Misc) 0
	15.38	SA	Survey abandoned Remarks: DUE TO CUW	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	80	5.2	80	4	0	0	0	0	1

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 13	PLR Suffix : X
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Photo: 14_14_82_A.JPG
13.84m, Broken pipe at joint, from 1 to 3 o'clock

Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 14	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details:	U/S MH : BR1
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH5
Inspection MH5 (U/S) BR1	Pipe Length 1.00 m	D/S Depth : 0.21
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 6.26 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
Depth: 0.21				
		MH5		
	0.00	MH	Start node type, manhole, reference number : MH5	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	2.85	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	3.07	LU	Line deviates up Remarks: SHARP	(Serv) 0
	3.84	JN	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
	3.84	REM	General remark Remarks: LINE LEVELS OUT	(Misc) 0
	6.26	REM	General remark Remarks: REAR OF TRAP	(Misc) 0
	6.26	OCF	Finish node type, other special chamber reference number: BR1 Remarks: REAR OF TRAP	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

Place :

UKDN Waterflow (LG) Ltd
Slough
Street : Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk



Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 15	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MAIN RUN
Road : CAMDEN HIGH STREET		U/S Depth :
Location Difficult access		D/S MH : MH5
Inspection MH5 (U/S) MAIN RUN		D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 3.73 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH5	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.43	LL	Line deviates left Remarks: SLIGHT	(Serv) 0
	0.43	JN	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
	3.07	JN	Junction, at 2 o'clock, diameter 100mm	(Constr) 0
	3.51	LU	Line deviates up Remarks: SHARP	(Serv) 0
	3.51	LL	Line deviates left Remarks: SLIGHT	(Serv) 0
	3.73	OCF	Finish node type, other special chamber reference number: MAIN RUN Remarks: BASE OF STACK IN VIEW	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

45059 // Page: 27

Place :

UKDN Waterflow (LG) Ltd
Slough
Street : Berkshire
Tel: 03333 449099
Fax:
Email: ts.sales@ukdnwaterflow.co.uk



Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 16	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MH5
Road : CAMDEN HIGH STREET		U/S Depth :
Location Difficult access		D/S MH : MAIN RUN
Inspection MH5 (D/S) MAIN RUN		D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 4.61 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH5	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	WL	Water level, 15% of the vertical dimension	(Serv) 0
	0.21	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.97	WL	Water level, 5% of the vertical dimension	(Serv) 0
	2.30	CN	Connection other than junction, at 9 o'clock, diameter 80mm	(Constr) 0
	2.63	LR	Line deviates right Remarks: SHARP	(Serv) 0
	3.73	CC	Crack, circumferential, from 7 to 4 o'clock	(Struct) 2
	4.61	MHF	Finish node type, manhole reference number: MAIN RUN Remarks: MH4 UTR	(Constr) 0



3.73 m // 00:02:21

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	10	2.17	10	2	0	0	0	0	1

45059 // Page: 28

Place :

UKDN Waterflow (LG) Ltd
 Slough
 Berkshire
 Tel: 03333 449099
 Fax:
 Email: ts.sales@ukdnwaterflow.co.uk



Inspection pictures

Place : **LONDON** Road : **CAMDEN HIGH STREET** Date : **06/07/2016** Section number : **16** PLR Suffix : **X**



Photo: 17_17_107_A.JPG
 3.73m, Crack, circumferential, from 7 to 4 o'clock

Place :

UKDN Waterflow (LG) Ltd
 Slough
 Berkshire
 Street : Berkshire
 Tel: 03333 449099
 Fax:
 Email: ts.sales@ukdnwaterflow.co.uk



Inspection report

Date : **06/07/2016** Job number : **45059** Weather : **no rain or snow** Operator : **SP12** Section number : **17** PLR SUFFIX: **X**
 Weather : **no rain or snow** Vehicle : **HV62OKS** Camera : **P330** Preset : **no** Cleaned : **no** Operator : **SP12**

Place : **LONDON** Location details: **CAMDEN HIGH STREET** U/S MH : **MH4**
 Road : **CAMDEN HIGH STREET** Catchment: **Difficult access** U/S Depth :
 Location : **Difficult access** Tape number : **1** D/S MH : **MAIN RUN**
 Inspection : **MH4 (D/S) MAIN RUN** Pipe Length : **1.00 m** D/S Depth :
 Direction Use: **Combined** Pipe shape : **Circular**
 Year laid : **Z** Pipe size : **100 mm**
 Purpose : **Sample survey to determine asset condition** Pipe material : **Vitrified clay**
 Total length : **3.95 m** Lining :
 Comment : **UTR**

1:500	Position	Code	Observation	Grade
		MH4		
	0.00	MH	Start node type, manhole, reference number : MH4	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LL	Line deviates left Remarks: SHARP	(Serv) 0
	3.51	LD	Line deviates down Remarks: SLIGHT	(Serv) 0
	3.51	LR	Line deviates right Remarks: SHARP	(Serv) 0
	3.95	LD	Line deviates down Remarks: SHARP	(Serv) 0
	3.95	OCF	Finish node type, other special chamber reference number: MAIN RUN Remarks: STACK REACHED	(Constr) 0

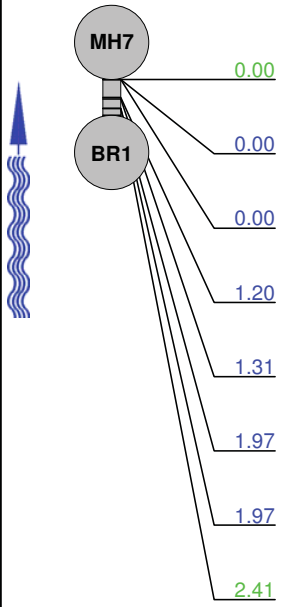
Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 18	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Road : CAMDEN HIGH STREET	U/S MH : BR1
Location Difficult access	Catchment: Tape number : 1	U/S Depth :
Inspection MH7 (U/S) BR1	Pipe Length 1.00 m	D/S MH : MH7
Direction Use: Combined	Pipe shape : Circular	D/S Depth : 0.52
Year laid : Z	Pipe size : 150 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 2.41 m	Lining :	

Comment :

1:500 Position	Code	Observation	Grade
Depth: 0.52			
	MH	Start node type, manhole, reference number : MH7	(Constr) 0
	WL	Water level, 5% of the vertical dimension	(Serv) 0
	LL	Line deviates left Remarks: SHARP	(Serv) 0
	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
	LU	Line deviates up Remarks: SHARP	(Serv) 0
	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	OCF	Finish node type, other special chamber reference number: BR1 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	1.66	4	3

Inspection pictures

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 18	PLR Suffix : X
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Photo: 19_19_120_A.JPG
 1.2m, Settled deposits, coarse, 10% cross-sectional area loss



Photo: 19_19_121_A.JPG
 1.31m, Settled deposits, coarse, 10% cross-sectional area loss

Inspection report

Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 19	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : BR2 U/S Depth : D/S MH : MH7 D/S Depth :
Road : CAMDEN HIGH STREET	Inspection MH7 (U/S) BR2	Direction Use: Combined
Location Difficult access	Year laid : Z	Pipe shape : Circular
Purpose : Sample survey to determine asset condition	Pipe size : 150 mm	Pipe material : Vitrified clay
Total length : 9.12 m	Pipe lining : Lining :	

Comment :

1:500	Position	Code	Observation	Grade
	MH7			
	0.00	MH	Start node type, manhole, reference number : MH7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LL	Line deviates left Remarks: SHARP	(Serv) 0
	7.03	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	7.03	CC	Crack, circumferential, from 7 to 11 o'clock	(Struct) 2
	7.69	CN	Connection other than junction, at 2 o'clock, diameter 100mm	(Constr) 0
	8.13	B	Broken pipe, from 10 to 12 o'clock	(Struct) 4
	9.12	REM	General remark Remarks: REAR OF TRAP	(Misc) 0
	9.12	OCF	Finish node type, other special chamber reference number: BR2 Remarks: REAR OF TRAP REACHED	(Constr) 0
	BR2			

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	80	9.87	90	4	0	0	0	0	1

Inspection pictures

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 19	PLR Suffix : X
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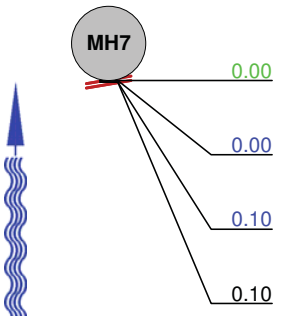
Photo: 20_20_129_A.JPG
7.03m, Crack, circumferential, from 7 to 11 o'clock




Photo: 20_20_131_A.JPG
8.13m, Broken pipe, from 10 to 12 o'clock

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection report</h3>					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 20	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Tape number : 1	U/S MH : BR3	U/S Depth : MH7	
Location Inspection MH7 (U/S) BR3	Difficult access MH7 (U/S) BR3	Pipe Length 1.00 m	D/S MH : MH7	D/S Depth :	
Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay	
Purpose : Sample survey to determine asset condition	Total length : 0.10 m	Lining :	Comment :		

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH7	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		DEEJ	Attached deposits, encrustation at joint, from 3 to 6 o'clock, 20% cross-sectional area loss	(Serv) 4
		SA	Survey abandoned Remarks: DUE TO DEE	(Misc) 0





12:37:29 06-07-16 0.10m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
100MM
MH.7
U/S
BR.3
0.1 m // 00:00:56

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	50	5	5

45059 // Page: 35

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection pictures</h3>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 20	PLR Suffix : X	




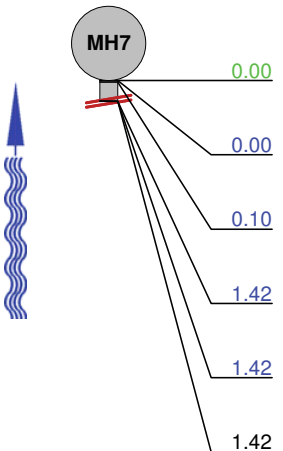
12:37:29 06-07-16 0.10m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
100MM
MH.7
U/S
BR.3


Photo: 21_21_136_A.JPG
0.1m, Attached deposits, encrustation at joint, from 3 to 6 o'clock, 20% cross-sectional area loss

45059 // Page: 36

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection report</h2>					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 21	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Tape number : 1	U/S MH : BR4	U/S Depth : MH7	
Location Difficult access	Inspection MH7 (U/S) BR4	Pipe Length 1.00 m	D/S MH :	D/S Depth :	
Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 150 mm	Pipe material : Vitrified clay	
Purpose : Sample survey to determine asset condition	Total length : 1.42 m	Lining :	Comment :		

1:500	Position	Code	Observation	Grade
				
	0.00	MH	Start node type, manhole, reference number : MH7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	S01	DER Settled deposits, coarse, 20% cross-sectional area loss, Start	(Serv) 4
	1.42	DER	Settled deposits, coarse, 40% cross-sectional area loss	(Serv) 4
	1.42	F01	DER Settled deposits, coarse, 20% cross-sectional area loss, End	(Serv) 4
	1.42	SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0





12:41:42 06-07-16 1.42m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
150MM
MH.7
U/S
BR.4
1.42 m // 00:01:14

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	10	8.1	11.5	5

45059 // Page: 37

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection pictures</h2>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 21	PLR Suffix : X	




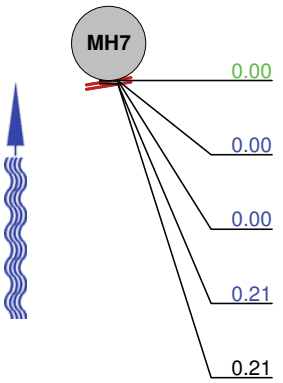
12:41:42 06-07-16 1.42m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
150MM
MH.7
U/S
BR.4


Photo: 22_22_141_A.JPG
1.42m, Settled deposits, coarse, 40% cross-sectional area loss

45059 // Page: 38

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
Inspection report					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 22	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Road : CAMDEN HIGH STREET	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : BR5	U/S Depth :	D/S MH : MH7
Location Inspection MH7 (U/S) BR5	Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay
Purpose : Sample survey to determine asset condition	Total length : 0.21 m	Lining :	Comment :		

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH7	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		LR	Line deviates right Remarks: SHARP	(Serv) 0
		DEEJ	Attached deposits, encrustation at joint, from 4 to 7 o'clock, 20% cross-sectional area loss	(Serv) 4
		SA	Survey abandoned Remarks: DUE TO DEE	(Misc) 0




0.21 m // 00:01:46

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	5	23.81	5	5

45059 // Page: 39

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
Inspection pictures					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 22	PLR Suffix : X	



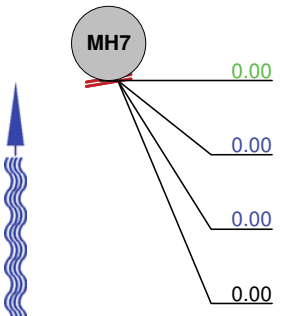



Photo: 23_23_147_A.JPG
0.21m, Attached deposits, encrustation at joint, from 4 to 7 o'clock, 20% cross-sectional area loss

45059 // Page: 40

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection report</h2>					
Date : 06/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 23	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Road : CAMDEN HIGH STREET	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MAIN RUN	U/S Depth :	D/S MH : MH7
Location Inspection MH7 (U/S) MAIN RUN	Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 150 mm	Pipe material : Vitrified clay
Purpose : Sample survey to determine asset condition	Total length : 0.00 m	Lining :	Comment :		

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	DER	Settled deposits, coarse, 60% cross-sectional area loss	(Serv) 4
	0.00	SA	Survey abandoned Remarks: DUE TO DEBRIS	(Misc) 0





12:50:03 06-07-16 0.00m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
150MM
MH 7
U/S
MAIN RUN
0 m // 00:00:18

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	8	0	8	4

45059 // Page: 41

Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection pictures</h2>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 06/07/2016	Section number : 23	PLR Suffix : X	




12:50:03 06-07-16 0.00m
THE HOPE PROJECT
CAMDEN HIGH STREET
LONDON
NW1 7JE
150MM
MH . 7
U/S
MAIN RUN

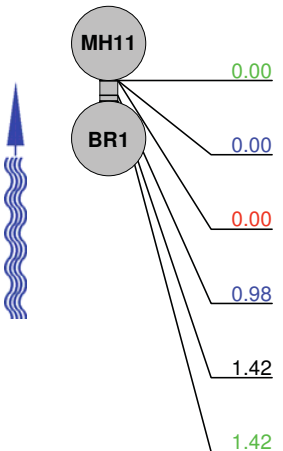

Photo: 24_24_151_A.JPG
0m, Settled deposits, coarse, 60% cross-sectional area loss

45059 // Page: 42

Place :

		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection report</h2>					
Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 24	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Road : CAMDEN HIGH STREET	Location details: Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : BR1	U/S Depth : MH11	D/S MH : 1
Location Inspection MH11 (U/S) BR1	Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay
Purpose : Sample survey to determine asset condition	Total length : 1.42 m	Lining :	Comment :		


1:500	Position	Code	Observation	Grade
Depth: 1				
	MH11	0.00	MH Start node type, manhole, reference number : MH11	(Constr) 0
	BR1	0.00	WL Water level, 5% of the vertical dimension	(Serv) 0
		0.00	CC Crack, circumferential, from 10 to 2 o'clock	(Struct) 2
		0.98	LL Line deviates left Remarks: SHARP	(Serv) 0
		1.42	REM General remark Remarks: REAR OF TRAP	(Misc) 0
		1.42	OCF Finish node type, other special chamber reference number: BR1 Remarks: REAR OF GULLY TRAP REACHED	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	10	7.04	10	2	0	0	0	0	1

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Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection pictures</h2>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 24	PLR Suffix : X	






Photo: 25_25_155_A.JPG
0m, Crack, circumferential, from 10 to 2 o'clock

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Inspection report					
Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 25	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset : 	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Road : CAMDEN HIGH STREET	U/S MH : BR2
Location MH11 (U/S) BR2	Catchment: Tape number : 1	U/S Depth :
Direction Use: Combined	Pipe Length 1.00 m	D/S MH : MH11
Year laid : Z	Pipe shape : Circular	D/S Depth :
Purpose : Sample survey to determine asset condition	Pipe size : 100 mm	
Total length : 5.93 m	Pipe material : Vitrified clay	
Lining : 		

Comment :

1:500	Position	Code	Observation	Grade	
	MH11	MH	Start node type, manhole, reference number : MH11	(Constr) 0	
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0	0 m // 00:00:35
	0.00	CC	Crack, circumferential, from 7 to 4 o'clock	(Struct) 2	
	0.10	CC	Crack, circumferential, from 7 to 12 o'clock	(Struct) 2	0.1 m // 00:01:16
	1.42	CC	Crack, circumferential, from 7 to 5 o'clock	(Struct) 2	1.42 m // 00:01:51
	1.75	CCJ	Crack, circumferential at joint, from 7 to 3 o'clock	(Struct) 2	1.75 m // 00:02:43
	1.97	LL	Line deviates left Remarks: SHARP	(Serv) 0	
	3.62	LR	Line deviates right Remarks: SLIGHT	(Serv) 0	
	5.38	MC	Material changes, polyvinyl chloride	(Misc) 0	
	5.38	JN	Junction, at 2 o'clock, diameter 100mm	(Constr) 0	
	5.71	LU	Line deviates up Remarks: SHARP	(Serv) 0	
	5.93	OCF	Finish node type, other special chamber reference number: BR2 Remarks: REAR OF SHOWER GULLY	(Constr) 0	

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	10	6.75	40	2	0	0	0	0	1

Inspection pictures				
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 25	PLR Suffix : X



Photo: 26_26_161_A.JPG
0m, Crack, circumferential, from 7 to 4 o'clock



Photo: 26_26_162_A.JPG
0.1m, Crack, circumferential, from 7 to 12 o'clock



Photo: 26_26_163_A.JPG
1.42m, Crack, circumferential, from 7 to 5 o'clock



Photo: 26_26_164_A.JPG
1.75m, Crack, circumferential at joint, from 7 to 3 o'clock

Place : LONDON	Location details: Road : CAMDEN HIGH STREET Location Difficult access Inspection MH11 (U/S) MAIN RUN	Catchment: Tape number : 1 Pipe Length 1.00 m	U/S MH : MAIN RUN U/S Depth : D/S MH : MH11 D/S Depth :
Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm
Purpose : Sample survey to determine asset condition	Total length : 2.30 m	Pipe material : Vitrified clay	Lining :

Comment :

1:500	Position	Code	Observation	Grade
	MH11	MH	Start node type, manhole, reference number : MH11	(Constr) 0
	MAIN RUN	WL	Water level, 5% of the vertical dimension	(Serv) 0
		LL	Line deviates left Remarks: SHARP	(Serv) 0
		DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
		LU	Line deviates up Remarks: SLIGHT	(Serv) 0
		LR	Line deviates right Remarks: SHARP	(Serv) 0
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: MAIN RUN Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	0.87	2	3

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 26	PLR Suffix : X
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Photo: 27_27_178_A.JPG
0.43m, Settled deposits, coarse, 10% cross-sectional area loss

Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 27	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details:	U/S MH : MH11
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH13
Inspection MH11 (D/S) MH13	Pipe Length 1.00 m	D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 3.18 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
		MH11		
	0.00	MH	Start node type, manhole, reference number : MH11	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.98	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
	1.75	WL	Water level, 10% of the vertical dimension	(Serv) 0
	1.75	REM	General remark Remarks: TOILET WASTE	(Misc) 0
	3.18	MHF	Finish node type, manhole reference number: MH13	(Constr) 0



0.98 m // 00:00:28

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	0.63	2	3

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 27	PLR Suffix : X
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Photo: 28_28_187_A.JPG
0.98m, Settled deposits, coarse, 10% cross-sectional area loss

Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 28	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details:	U/S MH : BR1
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH13
Inspection MH13 (U/S) BR1	Pipe Length 1.00 m	D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 0.00 m	Lining :	

Comment :

1:500	Position	Code	Observation	Grade
	MH13	MH	Start node type, manhole, reference number : MH13	(Constr) 0
	BR1	WL	Water level, 5% of the vertical dimension	(Serv) 0
		DEE	Attached deposits, encrustation, from 9 to 2 o'clock, 10% cross-sectional area loss	(Serv) 3
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: BR1 Remarks: BASE OF STACK	(Constr) 0



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	2	3

Place :

	UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
	Inspection pictures			

Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 28	PLR Suffix : X
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Photo: 29_29_193_A.JPG
 0m, Attached deposits, encrustation, from 9 to 2 o'clock, 10% cross-sectional area loss

Place :

	UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk				
	Inspection report				

Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 29	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12


Place : LONDON	Location details:	U/S MH : BR2
Road : CAMDEN HIGH STREET	Catchment:	U/S Depth :
Location Difficult access	Tape number : 1	D/S MH : MH13
Inspection MH13 (U/S) BR2	Pipe Length 1.00 m	D/S Depth :
Direction Use: Combined	Pipe shape : Circular	
Year laid : Z	Pipe size : 100 mm	
Purpose : Sample survey to determine asset condition	Pipe material : Vitrified clay	
Total length : 0.65 m	Lining :	

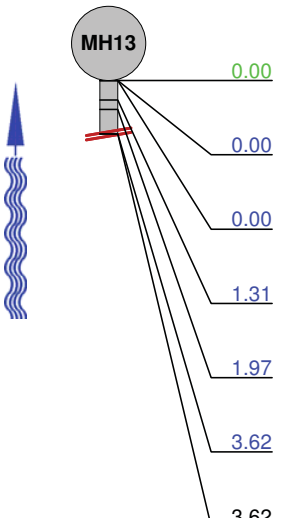
Comment :

1:500	Position	Code	Observation	Grade
	MH13	MH	Start node type, manhole, reference number : MH13	(Constr) 0
	BR2	WL	Water level, 5% of the vertical dimension	(Serv) 0
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: BR2 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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

Place :


		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection report</h3>					
Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 30	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Tape number : 1 Pipe Length : 1.00 m	U/S MH : BR3	U/S Depth : D/S MH : MH13	D/S Depth :
Location Inspection MH13 (U/S) BR3	Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay
Purpose : Sample survey to determine asset condition	Total length : 3.62 m	Lining :	Comment :		

1:500	Position	Code	Observation	Grade
		MH13	Start node type, manhole, reference number : MH13	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LL	Line deviates left Remarks: SHARP	(Serv) 0
	1.31	LU	Line deviates up Remarks: SLIGHT	(Serv) 0
	1.97	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	3.62	DER	Settled deposits, coarse, 10% cross-sectional area loss	(Serv) 3
	3.62	SA	Survey abandoned Remarks: DUE TO DEE	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	0.55	2	3

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Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h3>Inspection pictures</h3>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 30	PLR Suffix : X	



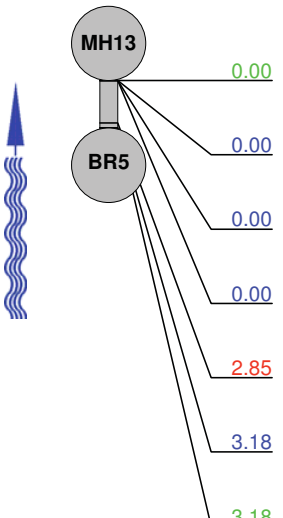


Photo: 31_31_205_A.JPG
3.62m, Settled deposits, coarse, 10% cross-sectional area loss

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Place :


		UKDN Waterflow (LG) Ltd Slough Street : Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection report</h2>					
Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 31	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12
Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Difficult access	U/S MH : BR5	U/S Depth :	
Location MH13 (U/S) BR5	Tape number : 1	Pipe Length 1.00 m	D/S MH : MH13	D/S Depth :	
Direction Use: Combined	Year laid : Z	Pipe shape : Circular	Pipe size : 100 mm	Pipe material : Vitrified clay	Lining :
Purpose : Sample survey to determine asset condition	Total length : 3.18 m	Lining :			
Comment :					

1:500	Position	Code	Observation	Grade
		MH	Start node type, manhole, reference number : MH13	(Constr) 0
		WL	Water level, 5% of the vertical dimension	(Serv) 0
		LL	Line deviates left Remarks: SLIGHT	(Serv) 0
		LU	Line deviates up Remarks: SLIGHT	(Serv) 0
		CC	Crack, circumferential, from 9 to 3 o'clock	(Struct) 2
		LU	Line deviates up Remarks: SHARP	(Serv) 0
		OCF	Finish node type, other special chamber reference number: BR5 Remarks: BASE OF STACK	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	10	3.14	10	2	0	0	0	0	1

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Place :

		UKDN Waterflow (LG) Ltd Slough Berkshire Tel: 03333 449099 Fax: Email: ts.sales@ukdnwaterflow.co.uk			
<h2 style="margin: 0;">Inspection pictures</h2>					
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 31	PLR Suffix : X	




Photo: 32_32_211_A.JPG
2.85m, Crack, circumferential, from 9 to 3 o'clock

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Inspection report					
Date : 08/07/2016	Job number : 45059	Weather : no rain or snow	Operator : SP12	Section number : 32	PLR SUFFIX: X
Weather no rain or snow	Vehicle : HV62OKS	Camera : P330	Preset :	Cleaned : no	Operator : SP12

Place : LONDON	Location details: Road : CAMDEN HIGH STREET	Catchment: Location Difficult access	U/S MH : MH13
Inspection MH13 (D/S) MAIN RUN	Tape number : 1	Pipe Length 1.00 m	U/S Depth : 0.87 m
Direction Use: Combined	Year laid : Z	Pipe shape : Circular	D/S MH : MAIN RUN
Purpose : Sample survey to determine asset condition	Total length : 7.69 m	Pipe size : 100 mm	D/S Depth :
Comment :		Pipe material : Vitrified clay	Lining :

1:500	Position	Code	Observation	Grade
	MH13			
	0.00	MH	Start node type, manhole, reference number : MH13	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	REM	General remark Remarks: REAR OF TRAP	(Misc) 0
	0.54	S01 DEE	Attached deposits, encrustation, from 4 to 7 o'clock, 10% cross-sectional area loss, Start	(Serv) 3
	0.87	CC	Crack, circumferential, from 2 to 5 o'clock	(Struct) 2
	0.87	CC	Crack, circumferential, from 7 to 10 o'clock	(Struct) 2
	5.71	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	5.71	LD	Line deviates down Remarks: SHARP	(Serv) 0
	6.26	DEE	Attached deposits, encrustation, from 4 to 6 o'clock, 20% cross-sectional area loss	(Serv) 4
	7.25	LL	Line deviates left Remarks: SHARP	(Serv) 0
	7.69	F01 DEE	Attached deposits, encrustation, from 4 to 7 o'clock, 10% cross-sectional area loss, End	(Serv) 3
	7.69	BRF	Finish node type, major connection without manhole reference number: MAIN RUN Remarks: JOINS MAIN SEWER	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	20	2.6	20	2	2	7	2.5	19.2	4

Inspection pictures				
Place : LONDON	Road : CAMDEN HIGH STREET	Date : 08/07/2016	Section number : 32	PLR Suffix : X

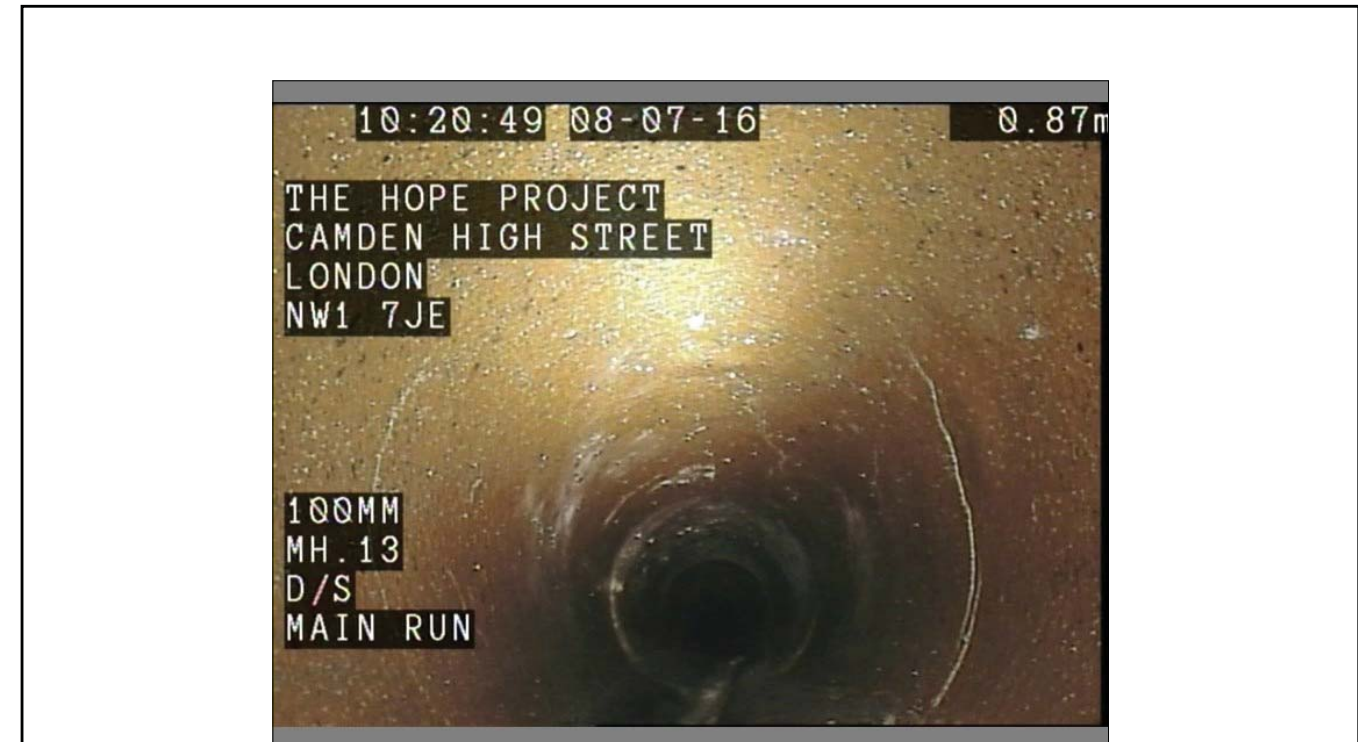


Photo: 33_33_218_A.JPG
0.87m, Crack, circumferential, from 7 to 10 o'clock



Photo: 33_33_227_A.jpg
6.26m, Attached deposits, encrustation, from 4 to 6 o'clock, 20% cross-sectional area loss