

Legend of Drawing:

	WATER FLOW 1		Tree_Winter
	Tree_Summer		CESS PIT
	SOAKAWAY: FOUL WATER		GNDFLWC
	SURFACE WATER		SYPHON INTERCEPTOR
	PETROL INTERCEPTOR		PIPE RUN
	RAINWATER PIPE		ROAD GULLY
	RODDING EYE		SEPTIC TANK
	SOIL & VENT PIPE		COMBINED
	SOAKAWAY: SURFACE WATER		GULLY
	W.C.		PUMP CH
	FOUL WATER		

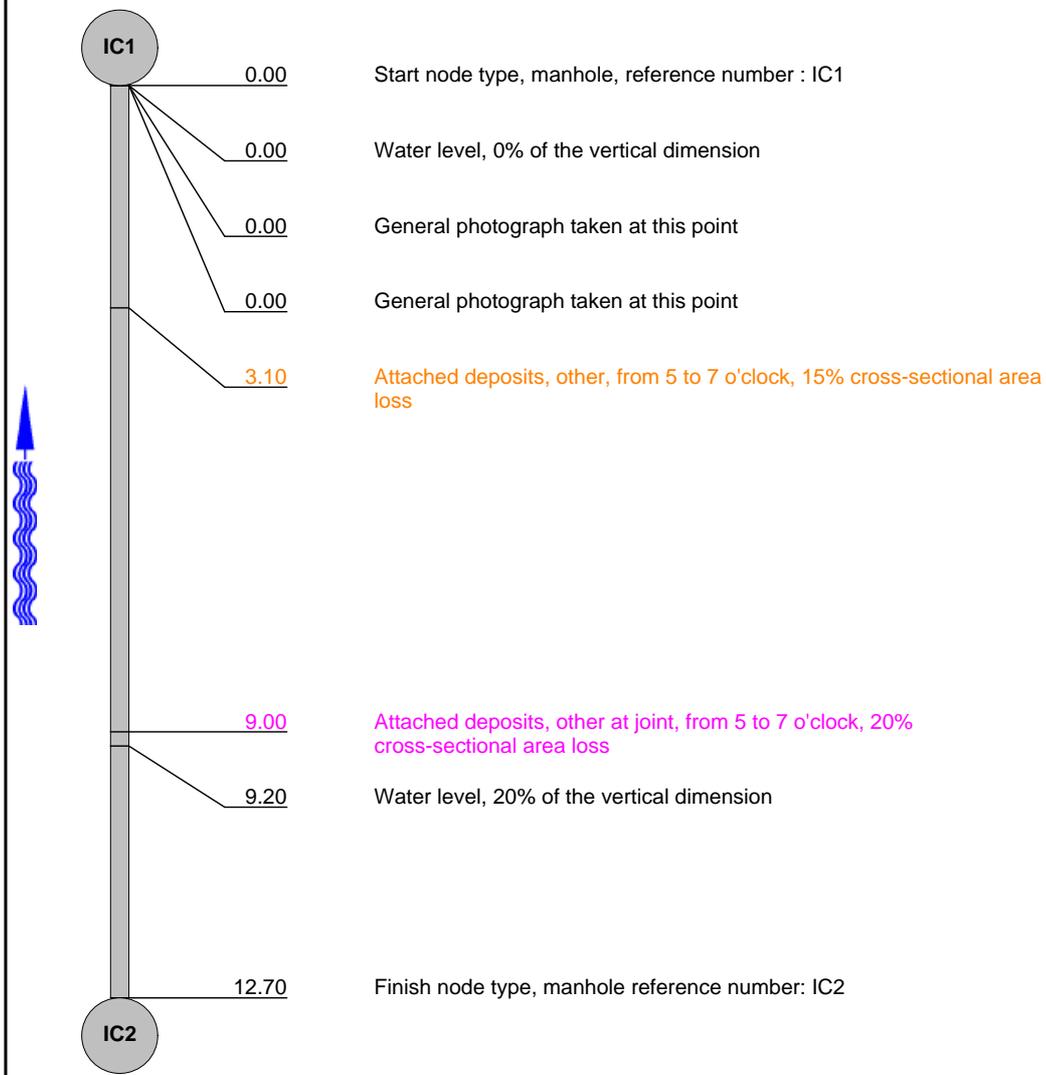
Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 1	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC1 (U/S) IC2	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 12.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay

Comment : **internal buried IC2**

1:105 Position Observation



0 m



0 m



0 m



0 m



3.1 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	2	0.16	2	3

Inspection pictures

Place : Hassocks	Road : Keymer Rd	Date : 16/05/2021	Section number : 1	PLR Suffix : parking area
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Photo: 1_1_1_A.jpg
0m, Start node type, manhole, reference number : IC1



Photo: 1_1_3_A.jpg
0m, Water level, 0% of the vertical dimension

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_4_A.jpg
0m, General photograph taken at this point



Photo: 1_1_5_A.jpg
0m, General photograph taken at this point

Place :

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Brighton

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_6_A.jpg

3.1m, Attached deposits, other, from 5 to 7 o'clock, 15% cross-sectional area loss



Photo: 1_1_7_A.jpg

9m, Attached deposits, other at joint, from 5 to 7 o'clock, 20% cross-sectional area loss

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_9_A.jpg
12.7m, Finish node type, manhole reference number: IC2

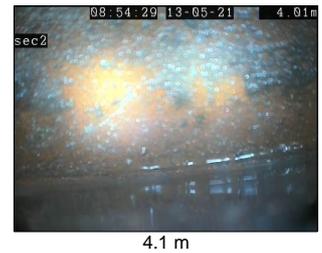
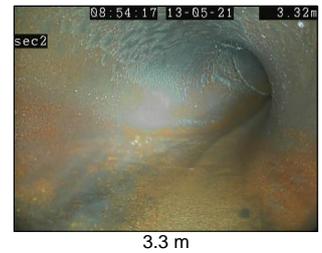
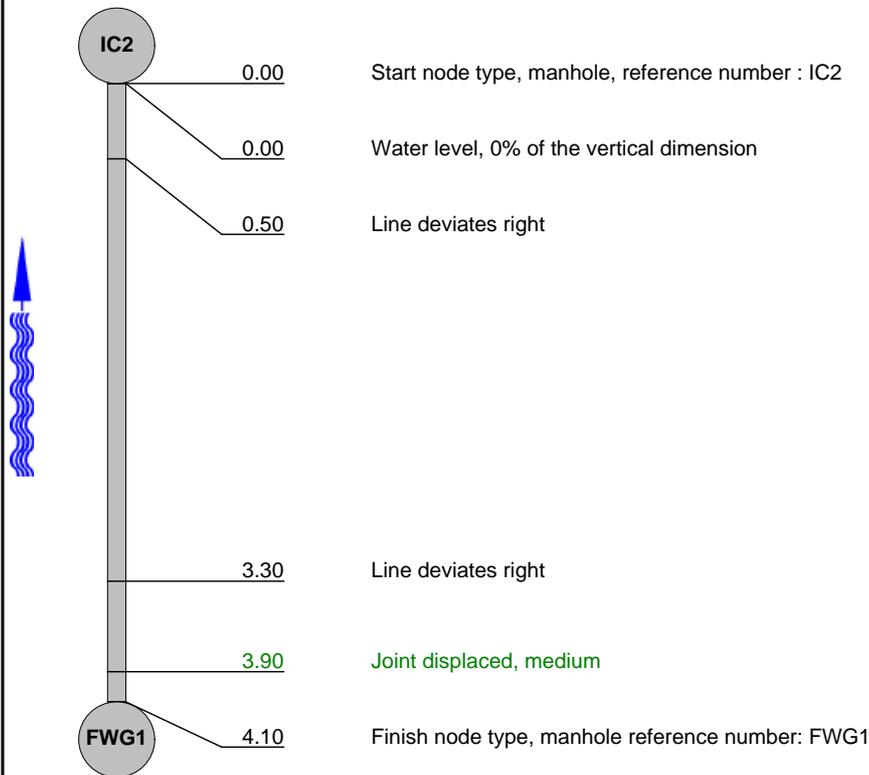
Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 2	PLR SUFFIX: internal area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC2 (U/S) FWG1	Location details: Catchment: Tape number : Pipe Length	U/S MH : FWG1 U/S Depth : D/S MH : IC2 D/S Depth :
Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 4.10 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Vitrified clay Vitrified clay

Comment :

1:50 Position Observation



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 :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area

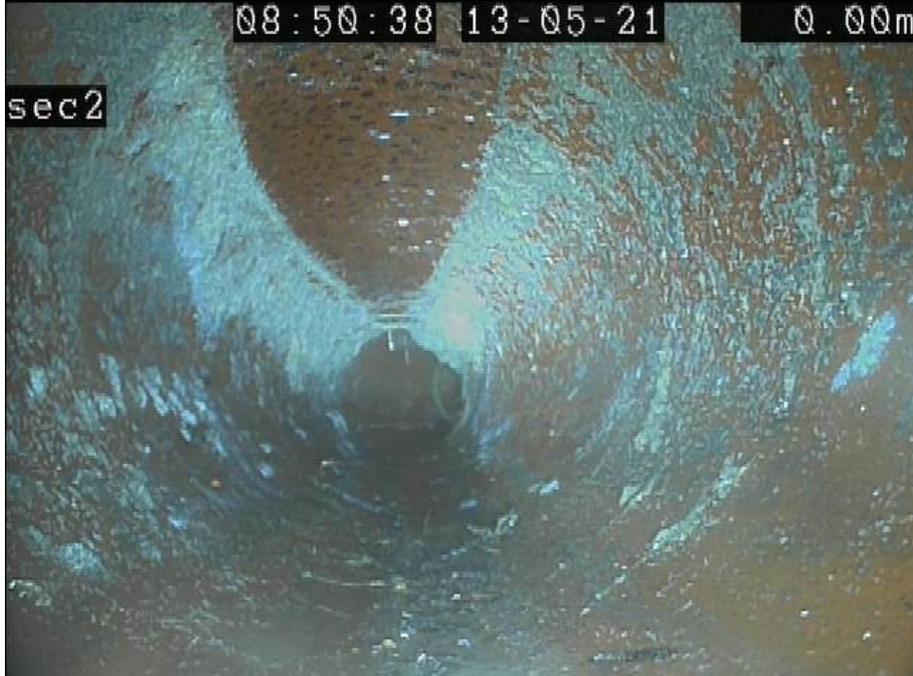


Photo: 3_3_11_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 3_3_12_A.jpg
0.5m, Line deviates right

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area



Photo: 3_3_13_A.jpg
3.3m, Line deviates right



Photo: 3_3_15_A.jpg
3.9m, Joint displaced, medium

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area



Photo: 3_3_14_A.jpg

4.1m, Finish node type, manhole reference number: FWG1

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 3	PLR SUFFIX: Parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC1 (D/S) Mainsewer	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 1.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay

Comment :

1:50	Position	Observation	
		Start node type, manhole, reference number : IC1	
	0.00	Water level, 0% of the vertical dimension	0 m
	0.40	Fracture, circumferential, from 12 to 12 o'clock	
	0.70	Junction, at 12 o'clock, diameter 100mm	0.4 m
	1.40	Line deviates down	
	1.70	Finish node type, manhole reference number: Mainsewer	0.7 m
			1.4 m
			1.7 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	40	23.53	40	3	0	0	0	0	1

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_17_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 4_4_21_A.jpg
0.4m, Fracture, circumferential, from 12 to 12 o'clock

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_20_A.jpg
0.7m, Junction, at 12 o'clock, diameter 100mm



Photo: 4_4_18_A.jpg
1.4m, Line deviates down

Place :

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_19_A.jpg

1.7m, Finish node type, manhole reference number: Mainsewer

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 4	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW1 (U/S) RG1	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 4.90 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Pitch fibre Pitch fibre

Comment :

1:50	Position	Observation	
	0.00	Start node type, manhole, reference number : SW1	<p>0 m</p>
	0.00	Water level, 0% of the vertical dimension	<p>0 m</p>
	3.00	Material changes, vitrified clay	<p>3 m</p>
	3.70	Junction, at 9 o'clock, diameter 100mm	<p>3.7 m</p>
	4.00	Material changes, pitch fibre	<p>4 m</p>
	4.90	Material changes, vitrified clay	
	4.90	Finish node type, manhole reference number: RG1	

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 :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_22_A.jpg
0m, Start node type, manhole, reference number : SW1



Photo: 5_5_23_A.jpg
0m, Water level, 0% of the vertical dimension

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area

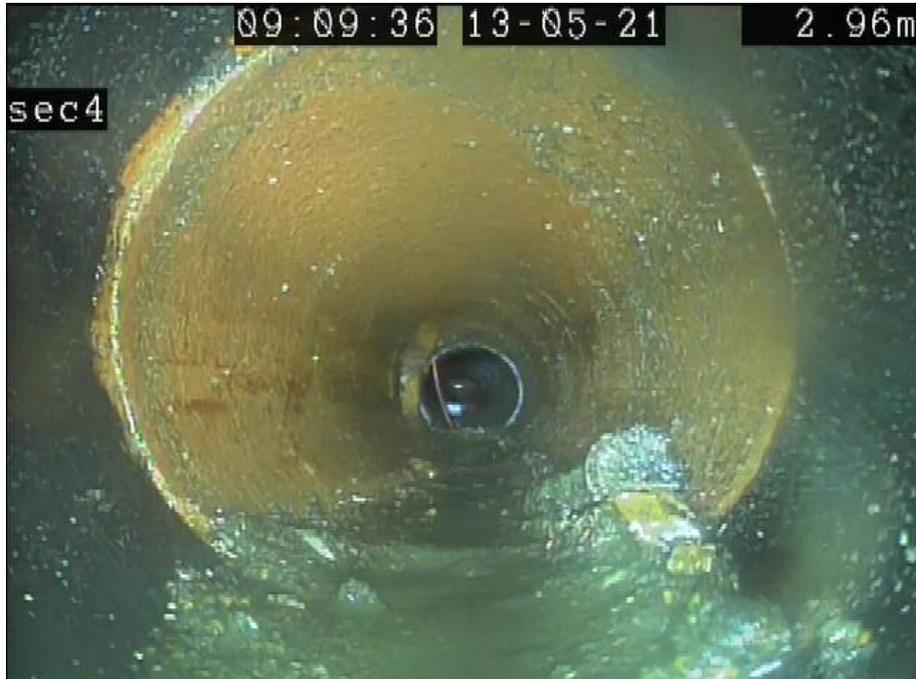


Photo: 5_5_28_A.jpg
3m, Material changes, vitrified clay

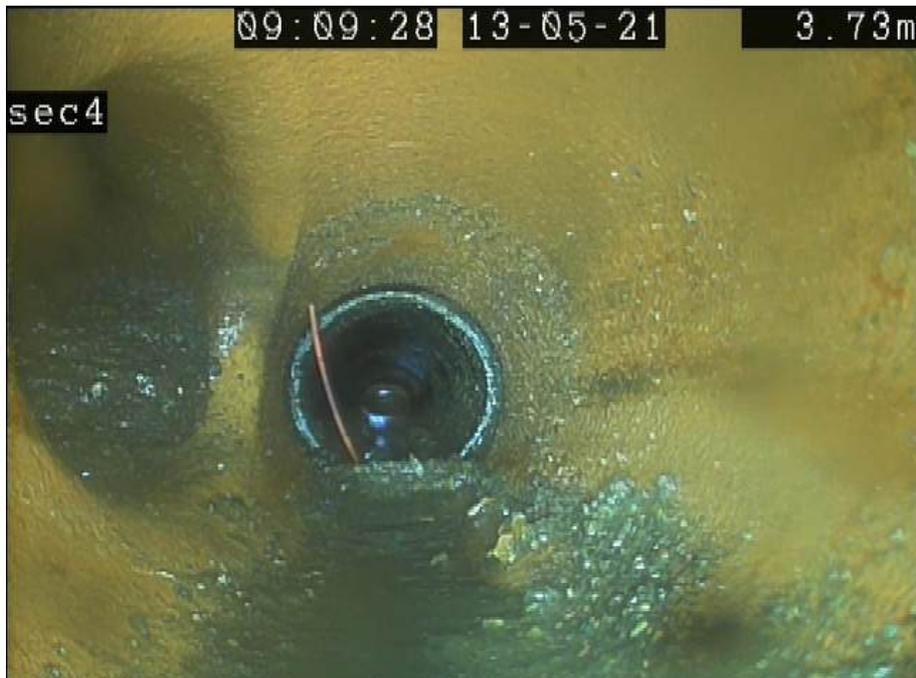


Photo: 5_5_26_A.jpg
3.7m, Junction, at 9 o'clock, diameter 100mm

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_27_A.jpg
4m, Material changes, pitch fibre

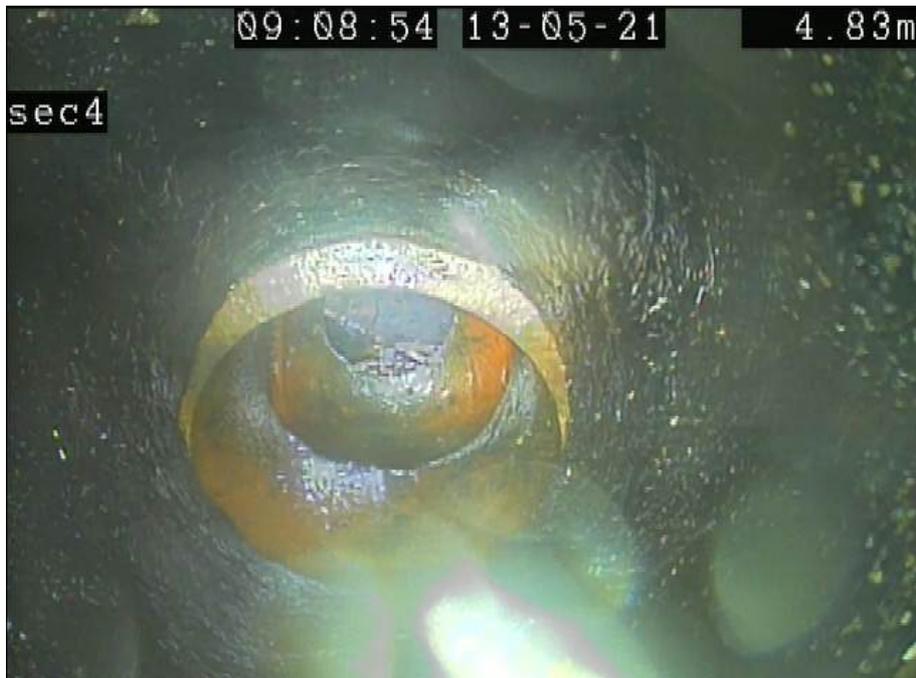


Photo: 5_5_24_A.jpg
4.9m, Material changes, vitrified clay

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_25_A.jpg

4.9m, Finish node type, manhole reference number: RG1

Inspection report

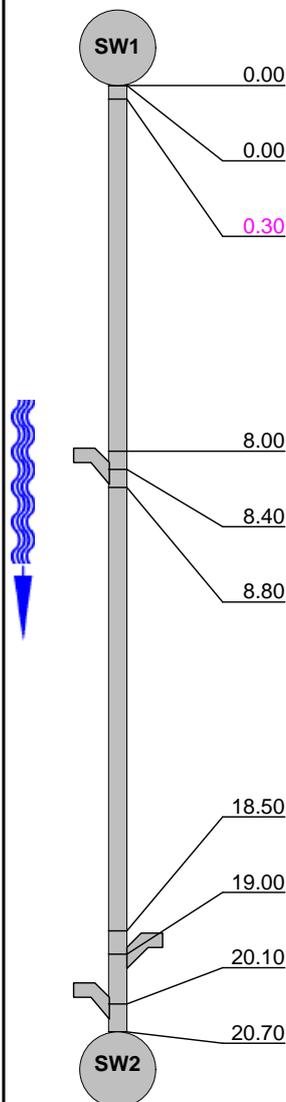
Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 5	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW1 (D/S) SW2	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 20.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Pitch fibre Pitch fibre

Comment :

1:165 Position

Observation



Start node type, manhole, reference number : SW1

Water level, 0% of the vertical dimension

Settled deposits, fine, 25% cross-sectional area loss

Material changes, vitrified clay

Junction, at 3 o'clock, diameter 100mm

Material changes, pitch fibre

Material changes, vitrified clay

Junction, at 9 o'clock, diameter 100mm

Junction, at 3 o'clock, diameter 100mm

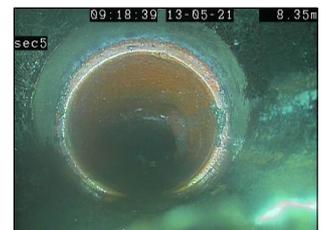
Finish node type, manhole reference number: SW2



0 m



0.3 m



8 m



8.4 m



8.8 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	0.24	5	4

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_30_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 6_6_31_A.jpg
0.3m, Settled deposits, fine, 25% cross-sectional area loss

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_38_A.jpg
8m, Material changes, vitrified clay



Photo: 6_6_37_A.jpg
8.4m, Junction, at 3 o'clock, diameter 100mm

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_36_A.jpg
8.8m, Material changes, pitch fibre

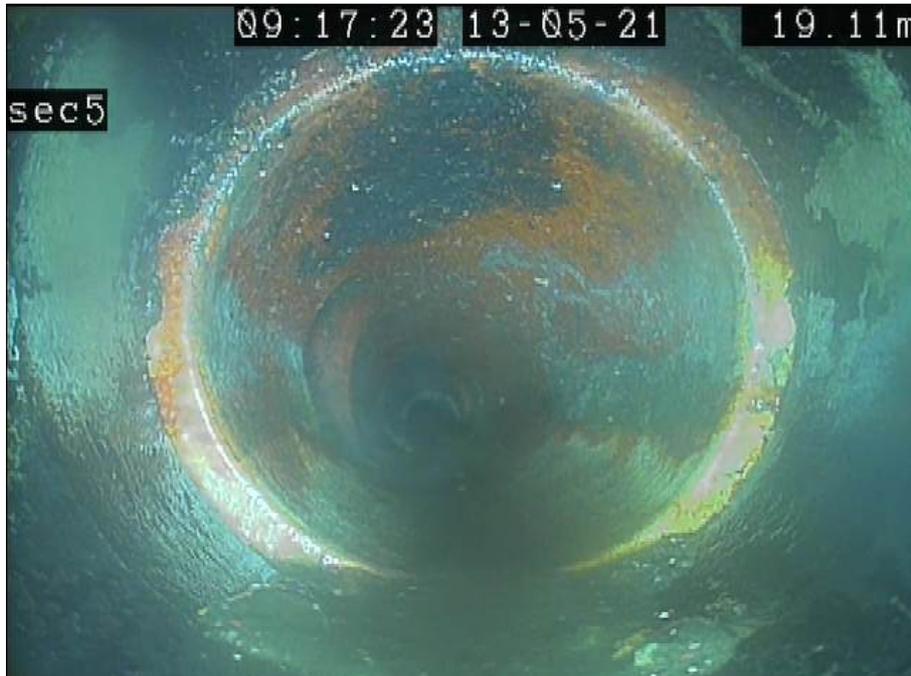


Photo: 6_6_35_A.jpg
18.5m, Material changes, vitrified clay

Place :

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Brighton

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_34_A.jpg
19m, Junction, at 9 o'clock, diameter 100mm



Photo: 6_6_33_A.jpg
20.1m, Junction, at 3 o'clock, diameter 100mm

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_32_A.jpg
20.7m, Finish node type, manhole reference number: SW2

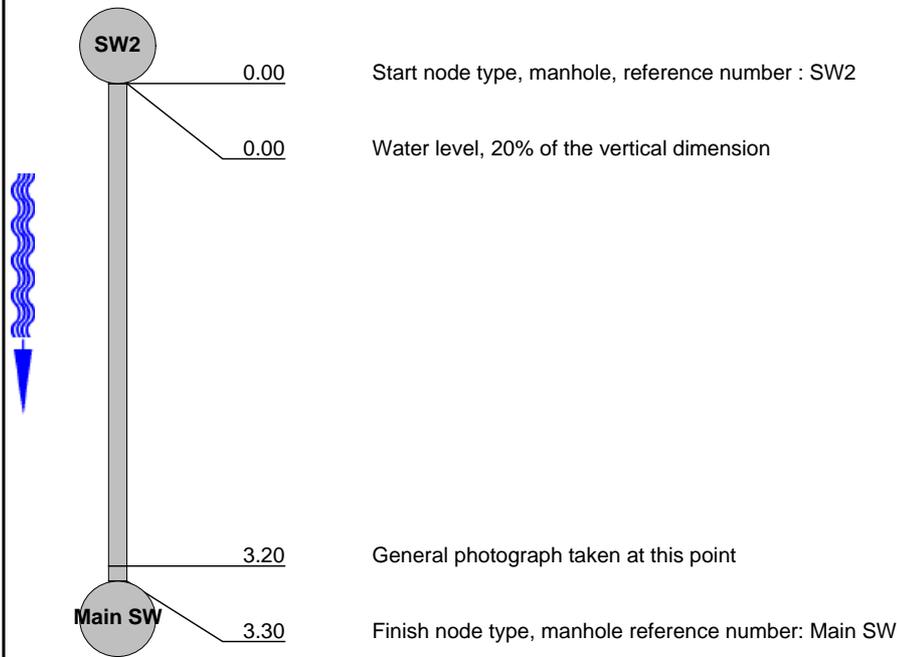
Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 6	PLR SUFFIX: side area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW2 (D/S) Main SW	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :	SW2 Main SW
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 3.30 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay	

Comment :

1:50 Position Observation



0 m



3.2 m



3.3 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

Place :

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Tel: 01273 933705

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
6

PLR Suffix :
side area



Photo: 7_7_40_A.jpg
0m, Water level, 20% of the vertical dimension



Photo: 7_7_42_A.jpg
3.2m, General photograph taken at this point

Place :

Aquatech Drains Ltd

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Brighton

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
6

PLR Suffix :
side area



Photo: 7_7_41_A.jpg

3.3m, Finish node type, manhole reference number: Main SW

Inspection report

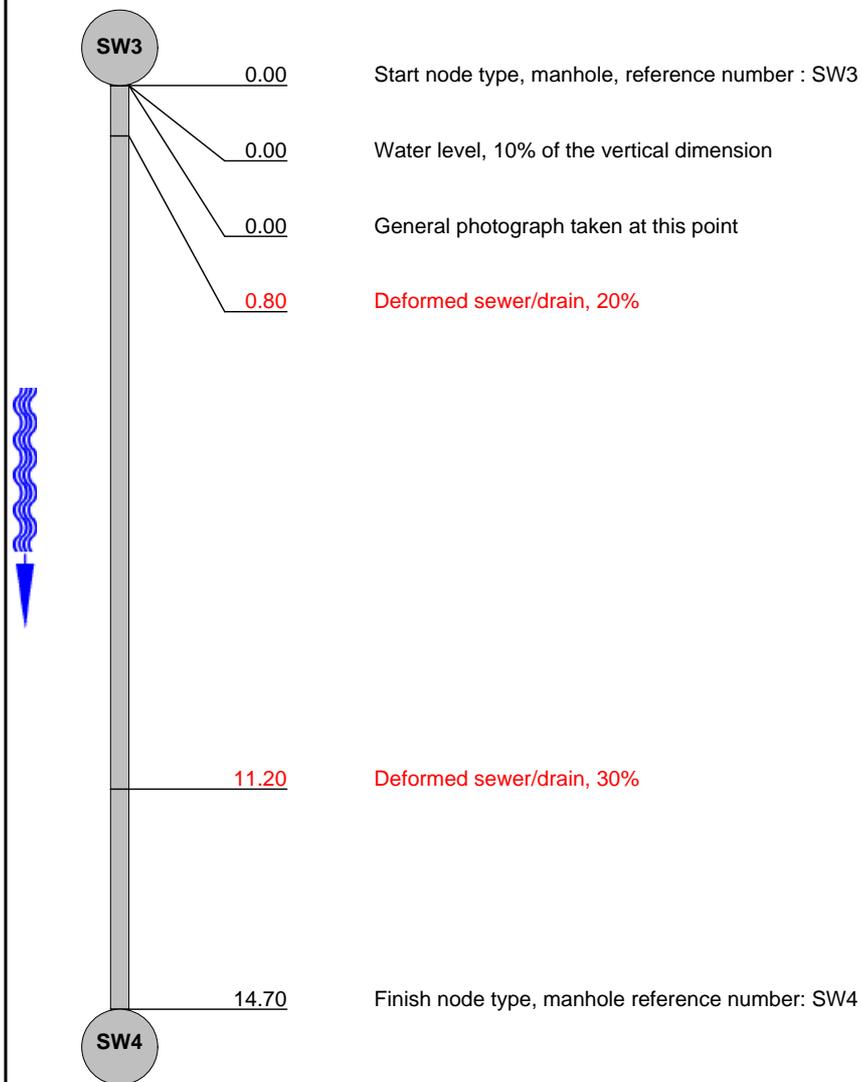
Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 7	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW3 (D/S) SW4	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
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Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 14.70 m
Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Pitch fibre Pitch fibre

Comment : **serves houses**

1:120 Position Observation



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	165	22.45	330	5	0	0	0	0	1

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
7

PLR Suffix :
parking area



Photo: 8_8_43_A.jpg
0m, Start node type, manhole, reference number : SW3



Photo: 8_8_44_A.jpg
0m, Water level, 10% of the vertical dimension

Place :

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
7

PLR Suffix :
parking area



Photo: 8_8_45_A.jpg
0m, General photograph taken at this point



Photo: 8_8_46_A.jpg
0.8m, Deformed sewer/drain, 20%

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
7

PLR Suffix :
parking area



Photo: 8_8_48_A.jpg
11.2m, Deformed sewer/drain, 30%

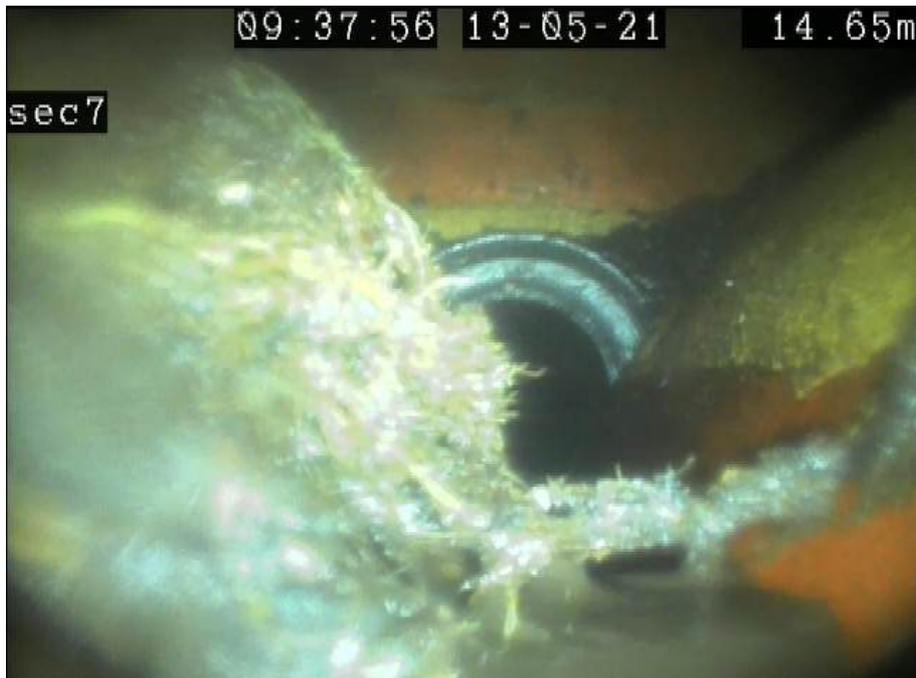


Photo: 8_8_47_A.jpg
14.7m, Finish node type, manhole reference number: SW4

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 8	PLR SUFFIX: side access
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW4 (D/S) Main	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 12.30 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Pitch fibre Pitch fibre

Comment :

1:105	Position	Observation	
	SW4	Start node type, manhole, reference number : SW4	0.00
		Water level, 20% of the vertical dimension	0.00
		Deformed sewer/drain, 30%	3.30
		Deformed sewer/drain, 30%	4.40
		Deformed sewer/drain, 30%	7.60
		Deformed sewer/drain, 20%	10.10
		General photograph taken at this point	12.10
	Main	Finish node type, manhole reference number: Main	12.30

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	165	53.66	660	5	0	0	0	0	1

Inspection pictures

Place : Hassocks	Road : Keymer Rd	Date : 16/05/2021	Section number : 8	PLR Suffix : side access
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Photo: 9_9_50_A.jpg
0m, Water level, 20% of the vertical dimension



Photo: 9_9_55_A.jpg
4.4m, Deformed sewer/drain, 30%

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
8

PLR Suffix :
side access



Photo: 9_9_54_A.jpg
7.6m, Deformed sewer/drain, 30%



Photo: 9_9_53_A.jpg
10.1m, Deformed sewer/drain, 20%

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
8

PLR Suffix :
side access



Photo: 9_9_52_A.jpg
12.1m, General photograph taken at this point



Photo: 9_9_51_A.jpg
12.3m, Finish node type, manhole reference number: Main

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 9	PLR SUFFIX: internal area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW5 (U/S) RWP1	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 6.50 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay

Comment :

1:60	Position	Observation	
	0.00	Start node type, manhole, reference number : SW5	
	0.00	Water level, 0% of the vertical dimension	
	0.00	General photograph taken at this point	
	0.50	Dimension changes, 100mm high, 100mm wide	
	5.70	Crack, circumferential, from 12 to 12 o'clock	
	5.80	Line deviates left	
	5.80	Open joint, medium	
	6.40	Line deviates up	
	6.40	Hole in drain/sewer, from 5 to 9 o'clock	
	6.50	Finish node type, manhole reference number: RWP1	

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	165	27.08	176	5	0	0	0	0	1

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
9

PLR Suffix :
internal area



Photo: 10_10_57_A.jpg
0m, Start node type, manhole, reference number : SW5



Photo: 10_10_58_A.jpg
0m, Water level, 0% of the vertical dimension

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
9

PLR Suffix :
internal area



Photo: 10_10_59_A.jpg
0m, General photograph taken at this point



Photo: 10_10_60_A.jpg
0.5m, Dimension changes, 100mm high, 100mm wide

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
9

PLR Suffix :
internal area



Photo: 10_10_61_A.jpg
5.7m, Crack, circumferential, from 12 to 12 o'clock



Photo: 10_10_62_A.jpg
5.8m, Line deviates left

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
9

PLR Suffix :
internal area



Photo: 10_10_63_A.jpg
5.8m, Open joint, medium



Photo: 10_10_65_A.jpg
6.4m, Hole in drain/sewer, from 5 to 9 o'clock

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
9

PLR Suffix :
internal area



Photo: 10_10_66_A.jpg
6.5m, Finish node type, manhole reference number: RWP1

Inspection report

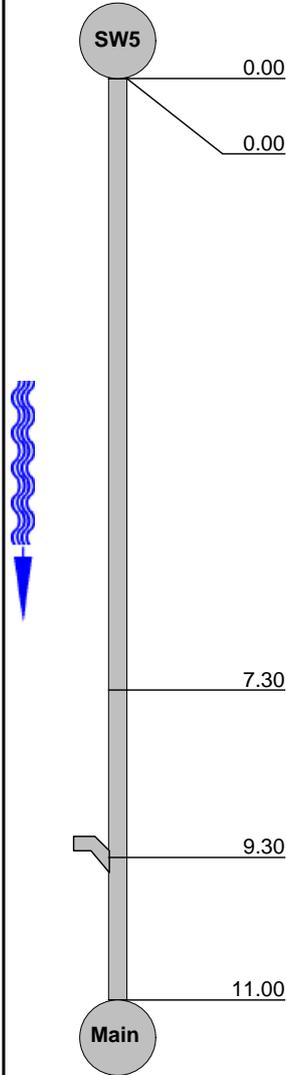
Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 10	PLR SUFFIX: internal area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW5 (D/S) Main	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 11.00 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay

Comment :

1:90 Position Observation

1:90	Position	Observation	
	0.00	Start node type, manhole, reference number : SW5	0 m
	0.00	Water level, 0% of the vertical dimension	
	7.30	Water level, 25% of the vertical dimension	7.3 m
	9.30	Junction, at 3 o'clock, diameter 100mm	9.3 m
	11.00	Finish node type, manhole reference number: Main	11 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

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
10

PLR Suffix :
internal area



Photo: 11_11_68_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 11_11_71_A.jpg
7.3m, Water level, 25% of the vertical dimension

Inspection pictures

Place : Hassocks	Road : Keymer Rd	Date : 16/05/2021	Section number : 10	PLR Suffix : internal area
----------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------------------

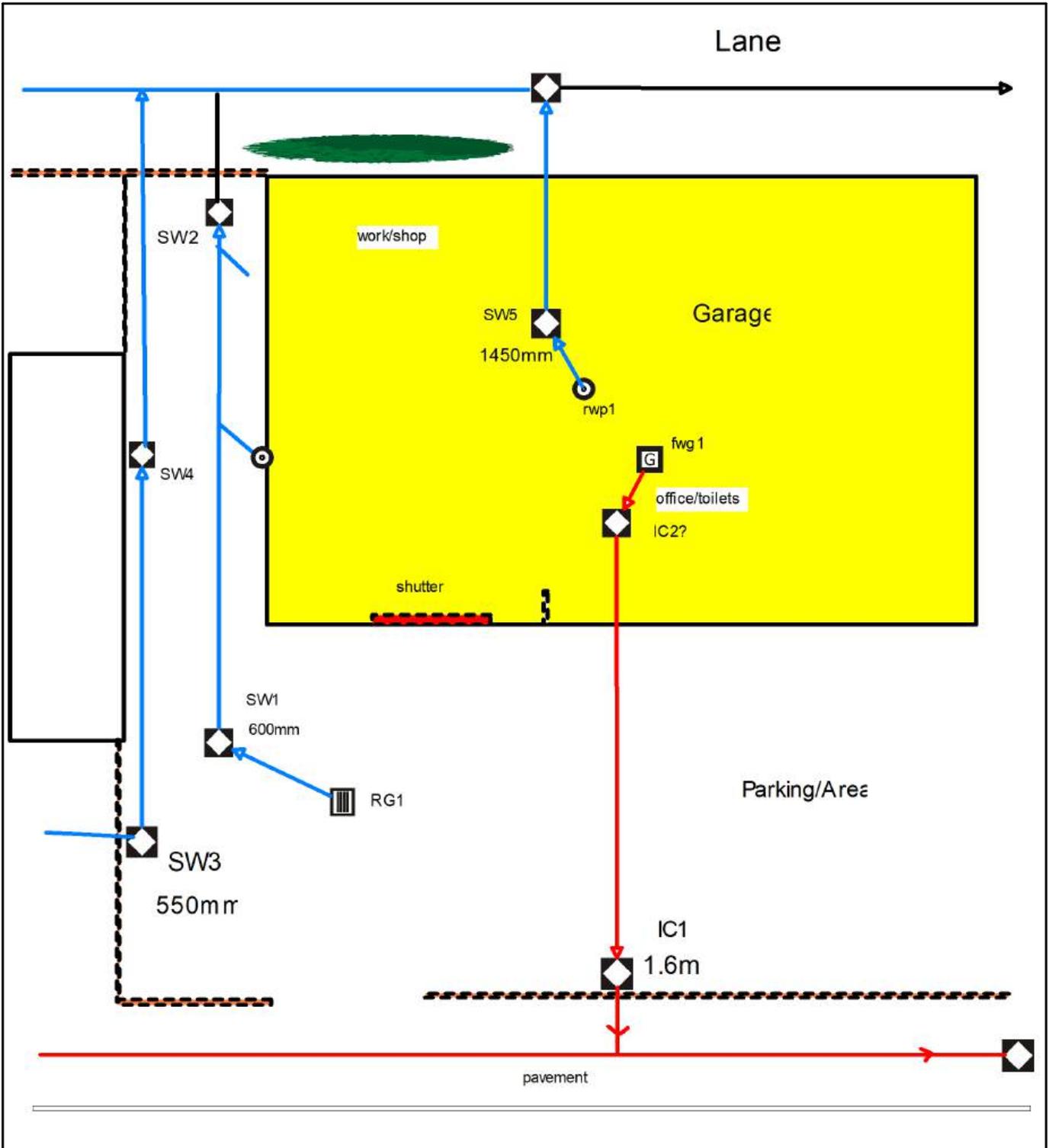


Photo: 11_11_69_A.jpg
9.3m, Junction, at 3 o'clock, diameter 100mm



Photo: 11_11_70_A.jpg
11m, Finish node type, manhole reference number: Main

Date:	Job # :	Weather : rain	Operator : Jason	Section # : 10	Section name :
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Rate :
Street 1 : Keymer Rd		City : Hassocks		Section type :	
Street 2 :		Map # 1 :		Map # 2 :	
VCR # :		Media # :		US MH : SW5	
DS MH : Main		Section length : 11.00 m		Joint length :	
Remark :					



Report Information

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

A disclaimer.

Any terms and conditions

APPENDIX G – Surface Water Runoff Calculations

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024	Designed by: PCA	Checked by: AK	Approved By: AK	
Report Details: Type: Inflows Storm Phase: Phase	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE				



Catchment Area

Type : Catchment Area

Area (ha)	0.121
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Junctions Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
Manhole	Manhole	530799.070	115441.952	43.000	1.500	41.500	Circular	1.200
Simple Junction	Simple Junction	530795.644	115442.912					

Name	Lock
Manhole	None
Simple Junction	

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
Manhole	Inlet	Pipe	(None)	No Restriction
Simple Junction	Inlet	Pipe (1)	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole	Outlet	Pipe (1)	Hydro-Brake®
	Invert Level (m)	41.500	
	Design Depth (m)	0.900	
	Design Flow (L/s)	2.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	<input checked="" type="checkbox"/>	
	Unit Reference	SHE-0069-2000-0900-2000	

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Inflow Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	Cellular Storage		Time of Concentration	0.121	100	0	100	0.121
TOTAL		0.0		0.121				0.121

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024		
	Designed by: PCA	Checked by: AK	Approved By: AK
Report Details: Type: Outfall Details Storm Phase: Phase	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Simple Junction	Free Discharge			

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024	Designed by: PCA	Checked by: AK	Approved By: AK	
Report Title: Rainfall Analysis Criteria	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE				

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	<input type="checkbox"/>

Rainfall

FEH	Type: FEH
Site Location	GB 530816 115450 TQ 30816 15450
Rainfall Version	2022
Summer	<input checked="" type="checkbox"/>
Winter	<input checked="" type="checkbox"/>

Return Period

Return Period (years)	Increase Rainfall (%)
30.0	45.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024	Designed by: PCA	Checked by: AK	Approved By: AK
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE			



FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 30 years: +45 %: 15 mins: Summer	0.12	81.2	35.217

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024	Designed by: PCA	Checked by: AK	Approved By: AK
Report Details: Type: Inflows Summary Storm Phase: Phase	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE			



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FEH: 100 years: +45 %: 15 mins: Summer	0.12	101.8	44.178

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Junctions Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole	FEH: 30 years: +45 %: 240 mins: Summer	43.000	41.500	42.210	0.710	2.2	0.803	0.000	2.0	48.069	Surcharged
Simple Junction	FEH: 30 years: +45 %: 15 mins: Winter		41.400	41.426	0.026	2.0			2.0	2.780	OK

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Junctions Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole	FEH: 100 years: +45 %: 240 mins: Summer	43.00 0	41.50 0	42.390	0.890	2.2	1.006	0.000	2.0	50.847	Surcharged
Simple Junction	FEH: 100 years: +45 %: 60 mins: Summer		41.40 0	41.426	0.026	2.0			2.0	11.847	OK

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage	FEH: 30 years: +45 %: 240 mins: Summer	42.210	42.210	0.610	0.610	22.9	64.048	0.000	0.000	2.2	48.914	23.743	OK

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage	FEH: 100 years: +45 %: 240 mins: Summer	42.390	42.390	0.790	0.790	28.3	82.909	0.000	0.000	2.2	51.889	1.287	OK

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks		Date: 10/12/2024		
Report Details: Type: Connections Summary Storm Phase: Phase		Designed by: PCA	Checked by: AK	Approved By: AK
		Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE		



FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe	FEH: 30 years: +45 %: 30 mins: Summer	Pipe	Cellular Storage	Manhole	42.410	42.008	0.225	6.719	0.4	0.08	3.7	Surcharged
Pipe (1)	FEH: 30 years: +45 %: 15 mins: Winter	Pipe	Manhole	Simple Junction	43.000	41.858	0.027	2.780	0.9	0.07	2.0	Surcharged

Project: 16002/02 Post Development Runoff 60 Keymer Road, Hassocks	Date: 10/12/2024	Designed by: PCA	Checked by: AK	Approved By: AK	
Report Details: Type: Connections Summary Storm Phase: Phase	Company Address: HOP Consulting 41 Church Road Hove, BN3 2BE				



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Cellular Storage	Manhole	42.410	41.929	0.225	3.626	0.4	0.08	3.5	Surcharged
Pipe (1)	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Manhole	Simple Junction	43.000	42.251	0.027	11.847	0.9	0.07	2.0	Surcharged



APPENDIX H – SuDS Maintenance and Management Plan

60 KEYMER ROAD, HASSOCKS

**PROPOSED MAINTENANCE & INSPECTION SCHEDULE FOR BELOW GROUND DRAINAGE
(FOUL WATER AND SURFACE WATER) INCLUDING SUSTAINABLE DRAINAGE SYSTEMS (SuDS)**

Item	Required Maintenance/Monitoring	Suggested Frequency	Responsibility
Foul Water Drainage	Check inspection chambers and manholes for damage, condition and function.	Every six months	Facilities Management
	Undertake a CCTV drainage survey of the drainage network to establish condition.	Every ten years	Specialist
	Replace or repair malfunctioning parts or structures	As required	Specialist
Surface Water Drainage	Check inspection chambers and manholes for damage, condition and function.	Every six months	Facilities Management
	Undertake a CCTV drainage survey of the drainage network to establish condition.	Every ten years	Specialist
	Replace or repair malfunctioning parts or structures.	As required	Specialist
Gullies and Channel Drains	Check gullies and channel drains for damage, condition and function.	Every six months	Facilities Management
	Remove sediment, oil/grease, litter and debris.	As necessary	Facilities Management
	Replace or repair malfunctioning parts or structures.	As required	Specialist
Surface Water Catch Pits	Check silt traps and inspection chambers and note the rate of sediment accumulation. Remove sediment if present.	Every month for the first year and then annually, or as conditions require	Facilities Management
Flow control	Check chamber and note the rate of sediment accumulation. Remove sediment if present.	Every month for the first year and then annually, or as conditions require	Facilities Management
	As manufacturers guidance.	As required	As required
General	Remove sediment, litter, debris and vegetation from surfaces.	As necessary and after heavy rainfall	Facilities Management
Flood Flow Routes	Ensure flood flow routes are not obstructed (i.e. lower lying portions of the land that will direct surface water runoff away from vulnerable assets in the event of drainage failure).	Every year and during periods of heavy rainfall	Facilities Management

NOTES

The site facilities management team will be responsible for the implementation of the maintenance schedule for below ground drainage, by appointing appropriate persons and/or sub-consultants that are qualified to undertake these operations.

Maintenance is to be carried out by the facilities management or by a specialist contractor, as noted in the Responsibility column above.

This maintenance schedule has been produced with reference to the guidelines outlined in 'The SuDS Manual' (CIRIA C753: 2015). The suggested frequency of maintenance is considered a guide, and should not replace the guidance from manufacturers of proprietary systems.



APPENDIX I – Existing and Proposed Flood Compensation Volume Plan

1. GENERAL
- (i) This drawing is not to be scaled, work to figured dimensions only, confirmed on site.
 - (ii) This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.
 - (iii) Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.
 - (iv) The contractor is responsible for all temporary works and for the stability of the works in progress.



EXISTING FLOOD PLAN
FLOOD LEVEL BETWEEN
42.65 – 43.49
 1:200



PROPOSED FLOOD PLAN
FLOOD LEVEL BETWEEN
42.65 – 43.49
 1:200

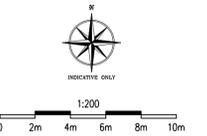
FLOOD VOLUME				
Number	Minimum Elevation	Maximum Elevation	Color	Volume
1	0.000	0.100	Blue	18.73
2	0.100	0.200	Black	0.95
3	0.200	0.300	Yellow	0.01
4	0.300	0.400	Orange	0.00

FLOOD LEVEL OF 42.65 TO 43.49m AOD HAVE BEEN MODELED INCLUDING THE 1% (1 IN 100 YEAR) ANNUAL EXCEEDANCE PROBABILITY (AEP) WITH 105% CLIMATE CHANGE.

FLOOD VOLUME				
Number	Minimum Elevation	Maximum Elevation	Color	Volume
1	0.000	0.100	Blue	20.24
2	0.100	0.200	Black	0.89

EXISTING FLOOD VOLUME 19.69m³

PROPOSED FLOOD VOLUME 21.13m³



ISSUED FOR PLANNING By BB AK 16.12.24 P01

FOR PLANNING
 NOT FOR CONSTRUCTION

Title
EXISTING AND PROPOSED FLOOD VOLUME

Project
60 KEYMER ROAD HAS SOCKS

Client
STAR GARAGES (BRIGHTON) LIMITED

HOP CONSULTING CIVIL AND STRUCTURAL ENGINEERS
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Drawing No. 16002-HOP-ZZ-XX-DR-C-9100 Status S2 Rev. P01