

Appendix G Drainage Survey

Reference	Title
Redwood Environmental	Drainage survey information



Project-information

Project name:

Contract number:

Contact:

Date:

16/07/2018

Client

Contact:

Position:

Road

Town

County

Telephone:

Fax:

Mobile:

E-Mail:

Site

Dorset Green Technology Park

Contact:

Position:

Road

Winfrith Newburgh

Town

Wool, Dorchester

County

DT2 8ZB

Telephone:

Fax:

Mobile:

E-Mail:

Contractor

Redwood Environmental Services Ltd

Contact:

Chris Jones

Position:

Manager

Road

Unit 43, Village Farm Road, Village Farm Ind. Est.

Town

Pyle, Bridgend

County

Mid Glamorgan, CF33 6BN

Telephone:

01656 745464

Fax:

Mobile:

E-Mail:

admin@redwood.co.uk



Summary Report

Client: Hydrock.

RE: Dorset Innovation Park.

CCTV operatives: James Steer and Chris Jones

Survey Summary:

Section 1 – SWMH12-2 to Upstream.

- Debris at 0.1M.
- Line capped at 0.3M.

Section 2 – SWMH12-2 to SWMH12-3.

- No faults noted.

Sections 3 – SWMH12-3 to SWMH12-4.

- Tap roots at 0.5M.
- Debris at 0.5M.
- Water levels of 10% at 42.1M.

Section 4 – SWMH12 to SWMH15.

- Intruding connections at 33M, 39.2M, 98.2M and 123.5M.
- Sewer broken at 122M.
- Hole in sewer at 122M.
- Mass roots at 123.6M.
- Survey abandoned at this point (123.6M).

Section 5 – SWMH18 to SWMH19.

- No faults noted.

Section 6 – SWMH19 to SWMH20.

- Intruding connection at 38.8M.
- Medium encrustations at 57.5M and 102M.

Section 7 – SWMH21 to SWMH20.

- Medium encrustation at 31M.
- Heavy encrustations at 99.8M and at 121.6M.

Sections 8 – 9.

- No faults noted.

Section 10 – SWMH21 to SWMH21-1.

- Intruding connection at 19.1M.
- Survey abandoned at this point (19.1M).

Section 11 – SWMH21-1 to SWMH21.

- Intruding connection at 37.2M.
- Survey abandoned at this point (37.2M).

Section 12 – SWMH21-1 to Upstream.

- Intruding connection at 37M.
- Line capped at 40.7M.

Section 13 – SWMH23 to Upstream.

- Multiple fractures at 13M.
- Line capped at 57.1M.

Section 14 – SWMH22 to SWMH22-1.

- No faults noted.

Section 15 – SWMH22-1 to SWMH22-2.

- Tap roots at 54.2M.

Section 16 – SWMH22-2 to Upstream.

- No faults noted, line capped at 6.6M.

Section 17 – SWMH10 to SWMH10-1.

- Intruding connections at 35M and 69.9M.
- Survey abandoned at this point (69.9M).

Section 18 – SWMH10-1 to SWMH10.

- Intruding connection at 6.4M.
- Survey abandoned at this point (6.4M).

Section 19 – SWMH10-1 to Upstream.

- Defective connection at 0.1M.
- Line capped at 0.8M.

Section 20 – SWMH18-1 to SWMH18.

- Intruding connections at 38.8M and 82.3M.

Section 21 – SWMH19 to SWMH19-1.

- Medium encrustations at 75.6M and 78.6M.

Section 22 – SWMH19-1 to SWMH19-2.

- Water levels of 10% at 0M.
- Medium encrustation at 3.8M.
- Debris at 31.2M.
- Survey abandoned at this point (31.2M).

Sections 23 – 25.

- No faults noted.

Section 26 – SWMH17 to SWMH18.

- Heavy encrustation at 3.9M.
- Medium encrustation at 66.5M.

Section 27 – SWMH16 to SWMH17.

- Seeping infiltration at 41.2M.

Section 28 – SWMH10 to Outlet.

- Debris at 0M.

Sections 29 – 30.

- No faults noted.

Section 31 – SWMH15 to SWMH12.

- Obstruction at 161M.
- Survey abandoned at this point (161M).

Section 32 – SWMH10 to SWMH11.

- Debris at 4.6M.

Section 33 – SWMH11 to SWMH12.

- Debris at 35.7M.

Section 34 – SWMH15 to SWMH15-1.

- Longitudinal fracture at 16.8M.

Sections 35 – 37.

- No faults noted.

Section 38 – SWMH2 to SWMH3.

- Fine roots at 9.6M.
- Sewer broken at 18.1M.
- Medium open joint at 22.1M.

Section 39 – SWMH3 to Downstream.

- Debris at 4M.
- Medium displaced joint at 17.2M.

Section 40 – SWMH5 to Downstream.

- Debris at 10.1M, 15.2M, 17.4M, 22.6M, 23.7M and 32M.
- Circumferential crack at 17.2M.
- Survey abandoned at 32M.

Section 41 – SWMH5-1 to SWMH5-2.

- No faults noted.

Section 42 – SWMH5-1 to Upstream.

- Survey abandoned at 7M.

Section 43 – SWMH5-2 to Downstream.

- Survey abandoned at 27.8M.



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 1	PLR: UPSTREAM X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12-2
Place: DORCHESTER	District:	end MH: UPSTREAM
Location:	Tape No.:	Total length: 0.3 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:
Location details:

1:25	position	observation	photo	grade
Depth: 2600				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH12-2		0
	0.00	Water level, 0 % height/diameter		0
	0.10	Debris, 40 % cross-sectional area loss	4_4a	1
	0.30	Finish Survey, Remark: Line capped		0



Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 1	PLR: UPSTREAM X
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Photo: 4_4a

0.1m, Debris, 40 % cross-sectional area loss



Inspection report

Date: 12/07/2018	Job N*:	Weather: Dry	Operator: CHRIS	section number: 2	PLR: SWMH12-3 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12-2
Place: DORCHESTER	District:	end MH: SWMH12-3
Location:	Tape No.:	Total length: 2.8 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:25	position	observation	photo	grade
Depth: 2600				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH12-2		0
	0.00	Water level, 0 % height/diameter		0
	0.40	Line of Sewer deviates left		0
	2.80	Manhole Remark: SWMH12-3		0
	2.80	Finish Survey		0
Depth: 1930				



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 3	PLR: SWMH12-4 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12-3
Place: DORCHESTER	District:	end MH: SWMH12-4
Location:	Tape No.:	Total length: 55.6 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:425	position	observation	photo	grade
Depth: 1930				
	SWMH12-3	Start of Survey		0
	0.00	Manhole Remark: SWMH12-3		0
	0.00	Water level, 0 % height/diameter		0
	0.50	Tap Roots	15_4a	3
	0.50	Debris, 10 % cross-sectional area loss		1
	42.10	Water level, 10 % height/diameter		1
	44.00	Water level, 5 % height/diameter		0
	SWMH12-4	Manhole Remark: SWMH12-4 - Unable to locate		0
	55.60	Finish Survey		0
Unable to locate				



Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 3	PLR: SWMH12-4 X
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Photo: 15_4a
0.5m, Tap Roots



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 4	PLR: SWMH15 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12
Place: DORCHESTER	District:	end MH: SWMH15
Location:	Tape No.:	Total length: 123.6 m

Purpose: Asset condition	Shape/Size: Circular 600
Use: Surface water	Material: Vitrified clay
Catchment: P1 UNSCHEDULE	Pipe length:
	Lining:
	Category:

Comment:

Location details:

1:925	position	observation	photo	grade
Depth: 2600				
	SWMH12 0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH12		0
	0.00	Water level, 5 % height/diameter		0
	16.10	Connection, at 11 o'clock, dia 100 mm		0
	19.40	Connection, at 12 o'clock, dia 100 mm		0
	33.00	Connection, at 10 o'clock, dia 100 mm, intrusion 10 %	26_6a	4
	39.20	Connection, at 10 o'clock, dia 100 mm, intrusion 10 %	27_7a	4
	98.30	Connection, at 02 o'clock, dia 100 mm, intrusion 5 %	28_8a	4
	111.00	Connection, at 11 o'clock, dia 100 mm		0
	122.00	Sewer Broken, from 12 to 03 o'clock	30_10a	4
	122.00	Hole in sewer from 12 to 03 o'clock	31_11a	4
	123.50	Connection, at 11 o'clock, dia 100 mm, intrusion 10 %	32_12a	4
	123.60	Mass Roots 60 % cross-sectional area loss	33_13a	5
	123.60	Survey abandoned, Remark: Unable to CCTV further. CCTV carried out from both directions		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 4	PLR: SWMH15 X
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Photo: 26_6a
33m, Connection, at 10 o'clock, dia 100 mm, intrusion 10 %



Photo: 27_7a
39.2m, Connection, at 10 o'clock, dia 100 mm, intrusion 10 %



Photo: 28_8a
98.3m, Connection, at 02 o'clock, dia 100 mm, intrusion 5 %



Photo: 30_10a
122m, Sewer Broken, from 12 to 03 o'clock

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 4	PLR: SWMH15 X
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Photo: 31_11a
122m, Hole in sewer from 12 to 03 o'clock



Photo: 32_12a
123.5m, Connection, at 11 o'clock, dia 100 mm, intrusion 10 %



Photo: 33_13a
123.6m, Mass Roots 60 % cross-sectional area loss



Redwood Environmental Services Ltd
 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 5	PLR: SWMH19 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH18
Place: DORCHESTER	District:	end MH: SWMH19
Location:	Tape No.:	Total length: 20 m

Purpose: Asset condition	Shape/Size: Circular 600
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:150	position	observation	photo	grade
Depth: 2450				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH18		0
	0.00	Water level, 5 % height/diameter		0
	20.00	Manhole Remark: SWMH19		0
	20.00	Finish Survey		0
Depth: 2380				



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 6	PLR: SWMH20 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH19
Place: DORCHESTER	District:	end MH: SWMH20
Location:	Tape No.:	Total length: 111.8 m

Purpose: Asset condition	Shape/Size: Circular 600
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:825	position	observation	photo	grade
Depth: 2380				
	SWMH19	Start of Survey		0
	0.00	Manhole Remark: SWMH19		0
	0.00	Water level, 5 % height/diameter		0
	38.80	Connection, at 01 o'clock, dia 100 mm, intrusion 10 %	43_4a	4
	57.50	Encrustation medium at joint, from 07 to 11 o'clock, 10% cross-sectional area loss	44_5a	4
	102.00	Encrustation medium at joint, from 08 to 11 o'clock, 10% cross-sectional area loss	45_6a	4
	111.80	Manhole Remark: SWMH20		0
	111.80	Finish Survey		0
Depth: 2300				

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 6	PLR: SWMH20 X
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Photo: 43_4a
38.8m, Connection, at 01 o'clock, dia 100 mm, intrusion 10 %



Photo: 44_5a
57.5m, Encrustation medium at joint, from 07 to 11 o'clock, 10% cross-sectional area loss



Photo: 45_6a
102m, Encrustation medium at joint, from 08 to 11 o'clock, 10% cross-sectional area loss



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 7	PLR: SWMH21 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: Place: Location:	WINFRITH NEWBURGH DORCHESTER	Division: District: Tape No.:	start MH: end MH: Total length:	SWMH21 SWMH20 128.4 m
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Purpose:	Asset condition	Shape/Size:	Circular 675
Use:	Surface water	Material:	Concrete Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Comment:

Location details:

1:950	position	observation	photo	grade
Depth: 2300				
	SWMH21	0.00	Start of Survey	0
		0.00	Manhole Remark: SWMH21	0
		0.00	Water level, 5 % height/diameter	0
		1.90	Connection, at 03 o'clock, dia 100 mm	0
		31.00	Encrustation medium at joint, 10% cross-sectional area loss	52_5a 4
		99.80	Encrustation heavy at joint, 25% cross-sectional area loss	53_6a 5
		107.00	Connection, at 03 o'clock, dia 100 mm	0
		112.00	Connection, at 11 o'clock, dia 100 mm	0
		121.60	Encrustation heavy at joint, 25% cross-sectional area loss	56_9a 5
		128.40	Manhole Remark: SWMH20	0
	SWMH20	128.40	Finish Survey	0
Depth: 2300				

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 7	PLR: SWMH21 X
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Photo: 52_5a
31m, Encrustation medium at joint, 10% cross-sectional area loss



Photo: 53_6a
99.8m, Encrustation heavy at joint, 25% cross-sectional area loss



Photo: 56_9a
121.6m, Encrustation heavy at joint, 25% cross-sectional area loss



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 8	PLR: SWMH22 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH21
Place: DORCHESTER	District:	end MH: SWMH22
Location:	Tape No.:	Total length: 19 m

Purpose: Asset condition	Shape/Size: Circular 600
Use: Surface water	Material: Concrete
Catchment: P1 UNSCHEDULE	Lining: Pipe length:
	Category:

Comment:

Location details:

1:150	position	observation	photo	grade
Depth: 2300				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH21		0
	0.00	Water level, 5 % height/diameter		0
	5.70	Connection, at 09 o'clock, dia 100 mm		0
	16.40	Connection, at 12 o'clock, dia 100 mm		0
	19.00	Manhole Remark: SWMH22		0
	19.00	Finish Survey		0
Depth: 2400				

SURVEY.mdb // page: 17

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 10	PLR: SWMH21-1 X
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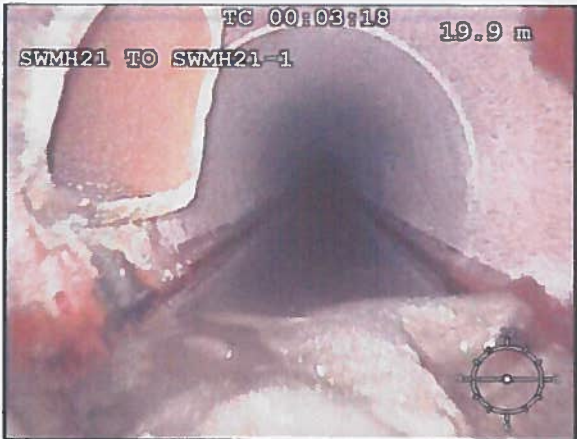


Photo: 77_4a
19.1m, Connection, at 09 o'clock, dia 150 mm, intrusion 20 %

SURVEY.mdb // page: 19



Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 11	PLR: SWMH21-1 X
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Photo: 82_4a

37.2m, Connection, at 03 o'clock, dia 150 mm, intrusion 20 %

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 12	PLR: UPSTREAM X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH21-1
Place:	DORCHESTER	District:	end MH:	UPSTREAM
Location:		Tape No.:	Total length:	40.7 m

Purpose:	Asset condition	Shape/Size:	Circular 300
Use:	Surface water	Material:	Vitrified clay Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Location details:

1:300	position	observation	photo	grade	
	0.00	Start of Survey		0	
	0.00	Manhole Remark: SWMH21-1		0	
	0.00	Water level, 5 % height/diameter		0	
	37.00	Connection, at 09 o'clock, dia 100 mm, intrusion 5 %	87_4a	4	
	40.70	Finish Survey, Remark: Line capped		0	



Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 12	PLR: UPSTREAM X
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Photo: 87_4a

37m, Connection, at 09 o'clock, dia 100 mm, intrusion 5 %



Redwood Environmental Services Ltd
 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 13	PLR: UPSTREAM X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH23
Place: DORCHESTER	District:	end MH: UPSTREAM
Location:	Tape No.:	Total length: 57.1 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:425	position	observation	photo	grade
Depth: 1850				
	SWMH23	0.00 Start of Survey		0
		0.00 Manhole Remark: SWMH23		0
		0.00 Water level, 0 % height/diameter		0
		13.00 Multiple Fractures from 12 to 12 o'clock	92_4a	4
		56.00 Connection, at 02 o'clock, dia 150 mm		0
	UPSTREAM	57.10 Finish Survey, Remark: Line capped		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 13	PLR: UPSTREAM X
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Photo: 92_4a
13m, Multiple Fractures from 12 to 12 o'clock



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 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 14	PLR: SWMH22-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH22
Place: DORCHESTER	District:	end MH: SWMH22-1
Location:	Tape No.:	Total length: 6.9 m

Purpose: Asset condition	Shape/Size: Circular 500
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:75	position	observation	photo	grade
Depth: 2400				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH22		0
	0.00	Water level, 0 % height/diameter		0
	6.90	Manhole Remark: SWMH22-1		0
	6.90	Finish Survey		0
Depth: 2350				

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 15	PLR: SWMH22-2 X
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Photo: 106_7a
54.2m, Tap Roots



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 16	PLR: UPSTREAM X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH22-2
Place: DORCHESTER	District:	end MH: UPSTREAM
Location:	Tape No.:	Total length: 6.6 m

Purpose: Asset condition	Shape/Size: Circular 500
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:50	position	observation	photo	grade
Depth: 1940				
	SWMH22-2	0.00	Start of Survey	0
		0.00	Manhole Remark: SWMH22-2	0
		0.00	Water level, 0 % height/diameter	0
	UPSTREAM	6.60	Finish Survey, Remark: Line capped	0

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 17	PLR: SWMH10-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH10
Place:	DORCHESTER	District:	end MH:	SWMH10-1
Location:		Tape No.:	Total length:	69.9 m

Purpose:	Asset condition	Shape/Size:	Circular 300
Use:	Surface water	Material:	Vitrified clay Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Location details:

1:525	position	observation	photo	grade
Depth: 2350				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH10		0
	0.00	Water level, 5 % height/diameter		0
	35.00	Connection, at 12 o'clock, dia 100 mm, intrusion 10 %	117_4a	4
69.90	69.90	Connection, at 01 o'clock, dia 100 mm, intrusion 15 %	118_5a	4
		Survey abandoned, Remark: Unable to CCTV past intruding connection		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 17	PLR: SWMH10-1 X
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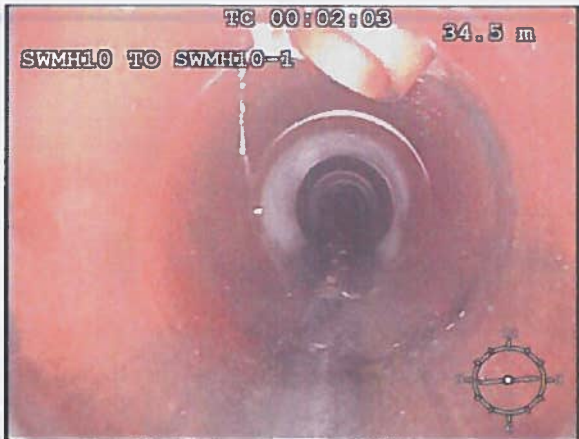


Photo: 117_4a
35m, Connection, at 12 o'clock, dia 100 mm, intrusion 10 %



Photo: 118_5a
69.9m, Connection, at 01 o'clock, dia 100 mm, intrusion 15 %



Redwood Environmental Services Ltd
 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel. 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 18	PLR: SWMH10-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH10-1
Place: DORCHESTER	District:	end MH: SWMH10
Location:	Tape No.:	Total length: 6.4 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:50	position	observation	photo	grade
Depth: 1140				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH10-1		0
	0.00	Water level, 0 % height/diameter		0
	6.40	Connection, at 11 o'clock, dia 100 mm, intrusion 15 %	123_4a	4
	6.40	Survey abandoned, Remark: Unable to CCTV past intruding connection		0



Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 18	PLR: SWMH10-1 X
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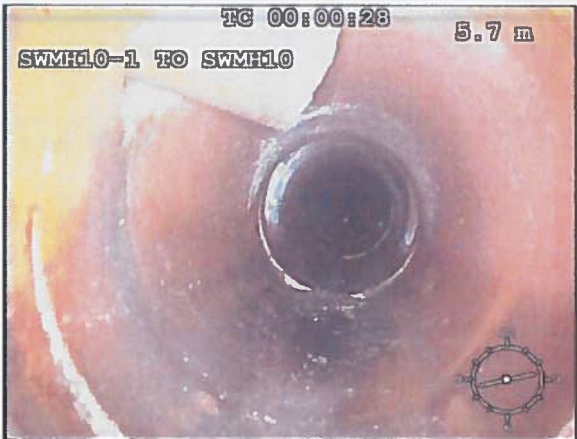


Photo: 123_4a
6.4m, Connection, at 11 o'clock, dia 100 mm, intrusion 15 %



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Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 19	PLR: UPSTREAM X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH10-1
Place: DORCHESTER	District:	end MH: UPSTREAM
Location:	Tape No.:	Total length: 0.8 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay
Catchment: P1 UNSCHEDULE	Pipe length:
	Lining:
	Category:

Comment:

Location details:

1:25	position	observation	photo	grade
Depth: 1140				
	SWMH10-1	0.00	Start of Survey	0
		0.00	Manhole Remark: SWMH10-1	0
		0.00	Water level, 0 % height/diameter	0
		0.10	Connection defective, at 03 o'clock, dia 100 mm	4
	UPSTREAM	0.80	Finish Survey, Remark: Line capped	0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 19	PLR: UPSTREAM X
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Photo: 128_4a
0.1m, Connection defective, at 03 o'clock, dia 100 mm



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 20	PLR: SWMH18-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH18-1
Place: DORCHESTER	District:	end MH: SWMH18
Location:	Tape No.:	Total length: 88.4 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:650	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH18-1		0
	0.00	Water level, 5 % height/diameter		0
	38.80	Connection, at 11 o'clock, dia 100 mm, intrusion 10 %	133_4a	4
	82.30	Connection, at 11 o'clock, dia 100 mm, intrusion 10 %	134_5a	4
	88.40	Manhole Remark: SWMH18		0
	88.40	Finish Survey		0
	88.40			0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 20	PLR: SWMH18-1 X
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Photo: 133_4a
38.8m, Connection, at 11 o'clock, dia 100 mm, intrusion 10 %



Photo: 134_5a
82.3m, Connection, at 11 o'clock, dia 100 mm, intrusion 10 %



Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 21	PLR: SWMH19-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH19
Place: DORCHESTER	District:	end MH: SWMH19-1
Location:	Tape No.:	Total length: 80.7 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:600	position	observation	photo	grade
Depth: 2380				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH19		0
	0.00	Water level, 5 % height/diameter		0
	6.90	Connection, at 03 o'clock, dia 100 mm		0
	75.60	Encrustation medium at joint, 10% cross-sectional area loss	141_5a	4
	78.60	Encrustation medium at joint, 10% cross-sectional area loss	142_6a	4
	80.70	Manhole Remark: SWMH19-1		0
	80.70	Finish Survey		0

Unable to locate

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 21	PLR: SWMH19-1 X
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Photo: 141_5a
75.6m, Encrustation medium at joint, 10% cross-sectional area loss



Photo: 142_6a
78.6m, Encrustation medium at joint, 10% cross-sectional area loss



Inspection report

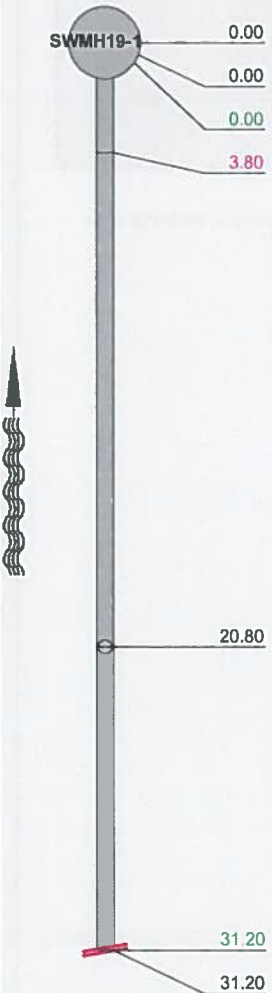
Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 22	PLR: SWMH19-2 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH19-1
Place: DORCHESTER	District:	end MH: SWMH19-2
Location:	Tape No.:	Total length: 31.2 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:250	position	observation	photo	grade
		Start of Survey		0
		Manhole Remark: SWMH19-1		0
		Water level, 10 % height/diameter		1
		Encrustation medium at joint, 10% cross-sectional area loss	148_4a	4
		Connection, at 12 o'clock, dia 100 mm		0
		Debris, 40 % cross-sectional area loss	150_6a	1
		Survey abandoned, Remark: Unable to CCTV past debris. Manhole visible		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 12/07/2018	section number: 22	PLR: SWMH19-2 X
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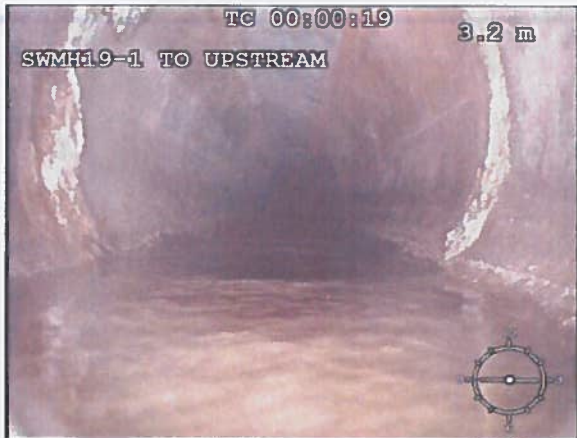


Photo: 148_4a
3.8m, Encrustation medium at joint, 10% cross-sectional area loss



Photo: 150_6a
31.2m, Debris, 40 % cross-sectional area loss



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 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 23	PLR: F2971 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: F2903
Place: DORCHESTER	District:	end MH: F2971
Location:	Tape No.:	Total length: 11.6 m

Purpose: Asset condition	Shape/Size: Circular 150
Use: Foul	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:100	position	observation	photo	grade
Depth: 1530				
	0.00	Start of Survey		0
	0.00	Manhole Remark: F2903		0
	0.00	Water level, 0 % height/diameter		0
	10.50	Junction at 12 o'clock, dia 150 mm		0
	11.60	Manhole Remark: F2971		0
	11.60	Finish Survey		0
Depth: 1320				



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 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N*:	Weather: Dry	Operator: CHRIS	section number: 24	PLR: F2903 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: F2903
Place: DORCHESTER	District:	end MH: F2901
Location:	Tape No.:	Total length: 20.3 m
Purpose: Asset condition	Shape/Size: Circular 150	
Use: Foul	Material: Vitrified clay	Pipe length:
Catchment: P1 UNSCHEDULE	Lining:	
	Category:	

Comment:

Location details:

1:150	position	observation	photo	grade
Depth: 1530				
	0.00	Start of Survey		0
	0.00	Manhole Remark: F2903		0
	0.00	Water level, 0 % height/diameter		0
	20.30	Manhole Remark: F2901		0
	20.30	Finish Survey		0
Depth: 1530				



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 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 12/07/2018	Job N°:	Weather: Dry	Operator: CHRIS	section number: 25	PLR: F2901 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: F2901
Place: DORCHESTER	District:	end MH: F2930
Location:	Tape No.:	Total length: 86.5 m

Purpose: Asset condition	Shape/Size: Circular 150
Use: Foul	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:650	position	observation	photo	grade
Depth: 1530				
	0.00	Start of Survey		0
	0.00	Manhole Remark: F2901		0
	0.00	Water level, 0 % height/diameter		0
	86.50	Manhole Remark: F2930		0
	86.50	Finish Survey		0
Depth: 1760				



Inspection report

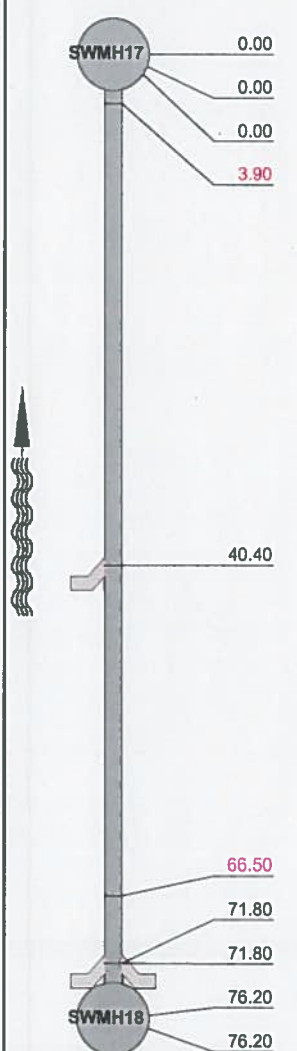
Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 26	PLR: SMH18 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH17
Place: DORCHESTER	District:	end MH: SWMH18
Location:	Tape No.:	Total length: 76.2 m

Purpose: Asset condition	Shape/Size: Circular 900
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:575	position	observation	photo	grade
		Start of Survey		0
	0.00	Manhole Remark: SMH17		0
	0.00	Water level, 5 % height/diameter		0
	3.90	Encrustation heavy at joint, 25% cross-sectional area loss		5
	40.40	Connection, at 03 o'clock, dia 150 mm		0
	66.50	Encrustation medium at joint, 10% cross-sectional area loss		4
	71.80	Connection, at 03 o'clock, dia 150 mm		0
	71.80	Connection, at 09 o'clock, dia 150 mm		0
	76.20	Manhole Remark: SMH18		0
	76.20	Finish Survey		0

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 27	PLR: SMH17 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH16
Place:	DORCHESTER	District:	end MH:	SWMH17
Location:		Tape No.:	Total length:	91.4 m

Purpose:	Asset condition	Shape/Size:	Circular 900
Use:	Surface water	Material:	Concrete Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Comment:

Location details:

1:675	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SMH16		0
	0.00	Water level, 5 % height/diameter		0
	5.20	Connection, at 02 o'clock, dia 150 mm		0
	41.20	Infiltration Seeping at joint at 07 o'clock		2
	91.40	Manhole Remark: SMH17		0
91.40	Finish Survey		0	



Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 28	PLR: SMH10 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH10
Place:	DORCHESTER	District:	end MH:	OUTLET
Location:		Tape No.:	Total length:	14 m
Purpose:	Asset condition	Shape/Size:	Circular 675	
Use:	Surface water	Material:	Concrete Pipe length:	
Catchment:	P1 UNSCHEDULE	Lining:		
		Category:		
Comment:				
Location details:				

1:125	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SMH10		0
	0.00	Water level, 5 % height/diameter		0
	0.00	Debris, 20 % cross-sectional area loss		1
	14.00	Finish Survey, Remark: Outlet		0



Redwood Environmental Services Ltd
 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 29	PLR: SWMH12-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12
Place: DORCHESTER	District:	end MH: SWMH12-1
Location:	Tape No.:	Total length: 17.8 m

Purpose: Asset condition	Shape/Size: Circular 450
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:150	position	observation	photo	grade
Depth: 2600				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH12		0
	0.00	Water level, 5 % height/diameter		0
	17.80	Manhole Remark: SWMH12-1		0
	17.80	Finish Survey		0
Depth: 2540				



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 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 30	PLR: SWMH12-2 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH12-1
Place: DORCHESTER	District:	end MH: SWMH12-2
Location:	Tape No.:	Total length: 34.2 m

Purpose: Asset condition	Shape/Size: Circular 450
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:
 Location details:

1:250	position	observation	photo	grade
Depth: 2540				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH12-1		0
	0.00	Water level, 5 % height/diameter		0
	10.00	Connection, at 10 o'clock, dia 80 mm		0
Depth: 2600				
	34.20	Manhole Remark: SWMH12-2		0
	34.20	Finish Survey		0



Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 31	PLR: SWMH15 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH15
Place: DORCHESTER	District:	end MH: SWMH12
Location:	Tape No.:	Total length: 161 m
Purpose: Asset condition	Shape/Size: Circular 600	Pipe length:
Use: Surface water	Material: Concrete	
Catchment: P1 UNSCHEDULE	Lining:	
	Category:	
Comment:		
Location details:		

1:1200	position	observation	photo	grade
Depth: 2510				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH15		0
	0.00	Water level, 5 % height/diameter		0
	3.50	Connection, at 03 o'clock, dia 100 mm		0
	26.10	Connection, at 02 o'clock, dia 100 mm		0
	74.00	Connection, at 02 o'clock, dia 100 mm		0
	122.60	Connection, at 12 o'clock, dia 100 mm		0
	136.70	Connection, at 02 o'clock, dia 100 mm		0
	142.00	Water level, 10 % height/diameter		0
	161.00	Obstruction, 30 % height/diameter loss, Remark: Branches / Sticks		2
	161.00	Survey abandoned, Remark: Unable to CCTV past obstruction		0



Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 32	PLR: SWMH11 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH10
Place:	DORCHESTER	District:	end MH:	SWMH11
Location:		Tape No.:	Total length:	55.9 m

Purpose:	Asset condition	Shape/Size:	Circular 675
Use:	Surface water	Material:	Concrete Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Comment:

Location details:

1:425	position	observation	photo	grade
Depth: 2400				
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH10		0
	0.00	Water level, 5 % height/diameter		0
	4.60	Debris, 10 % cross-sectional area loss		1
	49.50	Connection, at 03 o'clock, dia 300 mm		0
	55.90	Manhole Remark: SWMH11		0
	55.90	Finish Survey		0



Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 33	PLR: SWMH12 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH11
Place: DORCHESTER	District:	end MH: SWMH12
Location:	Tape No.:	Total length: 115.9 m

Purpose: Asset condition	Shape/Size: Circular 675
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:850	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH11		0
	0.00	Water level, 5 % height/diameter		0
	3.50	Connection, at 10 o'clock, dia 100 mm		0
	35.70	Debris, 5 % cross-sectional area loss		1
	60.50	Connection, at 10 o'clock, dia 100 mm		0
	104.00	Connection, at 10 o'clock, dia 100 mm		0
	115.90	Manhole Remark: SWMH12		0
	115.90	Finish Survey		0
Depth: 2800				



Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 34	PLR: SWMH15-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH15
Place:	DORCHESTER	District:	end MH:	SWMH15-1
Location:		Tape No.:	Total length:	29.1 m

Purpose:	Asset condition	Shape/Size:	Circular 375
Use:	Surface water	Material:	Concrete Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Comment:

Location details:

1:225	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH15		0
	0.00	Water level, 5 % height/diameter		0
	14.90	Connection, at 02 o'clock, dia 150 mm		0
	16.80	Longitudinal Fracture at 12 o'clock		3
	29.10	Manhole Remark: SWMH15-1		0
29.10	Finish Survey		0	



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 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 35	PLR: SWMH15-2 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH15-1
Place: DORCHESTER	District:	end MH: SWMH15-2
Location:	Tape No.:	Total length: 20.1 m

Purpose: Asset condition	Shape/Size: Circular 375
Use: Surface water	Material: Concrete Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:150	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH15-1		0
	0.00	Water level, 10 % height/diameter		0
	20.10	Manhole Remark: SWMH15-2		0
	20.10	Finish Survey		0



Inspection report

Date: 25/06/2018	Job N*:	Weather: Dry	Operator: JAMES	section number: 36	PLR: SWMH1-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH1
Place: DORCHESTER	District:	end MH: SWMH1-1
Location:	Tape No.:	Total length: 3.4 m

Purpose: Asset condition	Shape/Size: Circular 300
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:25	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH1		0
	0.00	Water level, 5 % height/diameter		0
	3.40	Manhole Remark: SWMH1-1		0
	3.40	Finish Survey		0



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 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745484, Fax:

Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 37	PLR: SWMH1-1A X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH1-1A
Place: DORCHESTER	District:	end MH: DOWNSTREAM
Location:	Tape No.:	Total length: 0.9 m

Purpose: Asset condition	Shape/Size: Circular 150
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:25	position	observation	photo	grade
	SWMH1-1A	0.00	Start of Survey	0
		0.00	Manhole Remark: SWMH1-1A	0
		0.00	Water level, 5 % height/diameter	0
	DOWNSTREAM	0.90	Major Branch	0
		0.90	Finish Survey	0



Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 38	PLR: SWMH2 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: Place: Location:	WINFRITH NEWBURGH DORCHESTER	Division: District: Tape No.:	start MH: end MH: Total length:	SWMH2 SWMH3 25.2 m
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Purpose: Use: Catchment:	Asset condition Surface water P1 UNSCHEDULE	Shape/Size: Material: Lining: Category:	Circular 225 Vitrified clay Pipe length:
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Comment:
Location details:

1:200	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH2		0
	0.00	Water level, 5 % height/diameter		0
	9.60	Fine Roots	257_4a	1
	18.10	Sewer Broken, at 06 o'clock	258_5a	4
	22.10	Open joint medium	259_6a	1
	25.20	Manhole Remark: SWMH3		0
	25.20	Finish Survey		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 25/06/2018	section number: 38	PLR: SWMH2 X
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Photo: 257_4a
9.6m, Fine Roots



Photo: 258_5a
18.1m, Sewer Broken, at 06 o'clock



Photo: 259_6a
22.1m, Open joint medium



Inspection report

Date: 25/06/2018	Job N*:	Weather: Dry	Operator: JAMES	section number: 39	PLR: SWMH3 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH3
Place: DORCHESTER	District:	end MH: DOWNSTREAM
Location:	Tape No.:	Total length: 19.4 m

Purpose: Asset condition	Shape/Size: Circular 225
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:150	position	observation	photo	grade
		Start of Survey		0
		Manhole Remark: SWMH3		0
		Water level, 5 % height/diameter		0
	4.00	Debris, 10 % cross-sectional area loss	265_4a	1
	17.20	Joint displaced. Medium	266_5a	1
	19.40	Finish Survey		0

Inspection photos

Place:
DORCHESTERRoad:
WINFRITH NEWBURGHDate:
25/06/2018section number:
39PLR:
SWMH3 X

Photo: 265_4a
4m, Debris, 10 % cross-sectional area loss



Photo: 266_5a
17.2m, Joint displaced. Medium



Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 40	PLR: SWMH5 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH5
Place: DORCHESTER	District:	end MH: DOWNSTREAM
Location:	Tape No.:	Total length: 32 m

Purpose: Asset condition	Shape/Size: Circular 150
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment: P1 UNSCHEDULE	Lining:
	Category:

Comment:

Location details:

1:250	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH5		0
	0.00	Water level, 5 % height/diameter		0
	10.10	Debris, 10 % cross-sectional area loss	271_4a	1
	15.20	Debris, 10 % cross-sectional area loss	272_5a	1
	17.20	Circumferential Crack, from 03 to 11 o'clock	273_6a	2
	17.40	Debris, 10 % cross-sectional area loss	274_7a	1
	22.60	Debris, 10 % cross-sectional area loss	275_8a	1
	23.70	Debris, 20 % cross-sectional area loss	276_9a	1
	32.00	Debris, 10 % cross-sectional area loss	277_10a	1
	32.00	Survey abandoned, Remark: Unable to CCTV past debris		0

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 25/06/2018	section number: 40	PLR: SWMH5 X
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Photo: 271_4a
10.1m, Debris, 10 % cross-sectional area loss



Photo: 272_5a
15.2m, Debris, 10 % cross-sectional area loss



Photo: 273_6a
17.2m, Circumferential Crack, from 03 to 11 o'clock



Photo: 274_7a
17.4m, Debris, 10 % cross-sectional area loss

Inspection photos

Place: DORCHESTER	Road: WINFRITH NEWBURGH	Date: 25/06/2018	section number: 40	PLR: SWMH5 X
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Photo: 275_8a
22.6m, Debris, 10 % cross-sectional area loss



Photo: 276_8a
23.7m, Debris, 20 % cross-sectional area loss



Photo: 277_10a
32m, Debris, 10 % cross-sectional area loss



Redwood Environmental Services Ltd
 Pyle, Bridgend
 Mid Glamorgan, CF33 6BN
 Tel: 01656 745464, Fax:

Inspection report

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 41	PLR: SWMH5-1 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road: WINFRITH NEWBURGH	Division:	start MH: SWMH5-1
Place: DORCHESTER	District:	end MH: SWMH5-2
Location:	Tape No.:	Total length: 6.7 m
Purpose: Asset condition	Shape/Size: Circular 150	
Use: Surface water	Material: Vitrified clay	Pipe length:
Catchment: P1 UNSCHEDULE	Lining:	
	Category:	
Comment:		
Location details:		

1:50	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH5-1		0
	0.00	Water level, 5 % height/diameter		0
	6.70	Manhole Remark: SWMH5-2		0
	6.70	Finish Survey		0

1:75	position	observation	photo	grade
	0.00	Start of Survey		0
	0.00	Manhole Remark: SWMH5-1		0
	0.00	Water level, 5 % height/diameter		0
	7.00	Survey abandoned, Remark: Unable to CCTV further		0

Date: 25/06/2018	Job N°:	Weather: Dry	Operator: JAMES	section number: 43	PLR: SWMH5-2 X
Present:	Vehicle: R55 POO	Camera: CAMBOSS	Preset:	Cleaned: No	Grade:

Road:	WINFRITH NEWBURGH	Division:	start MH:	SWMH5-2
Place:	DORCHESTER	District:	end MH:	DOWNSTREAM
Location:		Tape No.:	Total length:	27.8 m

Purpose:	Asset condition	Shape/Size:	Circular 150
Use:	Surface water	Material:	Vitrified clay Pipe length:
Catchment:	P1 UNSCHEDULE	Lining:	
		Category:	

Location details:

1:225	position	observation	photo	grade
		Start of Survey		0
		Manhole Remark: SWMH5-2		0
		Water level, 5 % height/diameter		0
	27.80	Survey abandoned, Remark: Unable to CCTV further		0