

A&T Drain Services Ltd
7/A Drain Doctor
Unit 2A
Chestnut Road,
Westland Wat. Outfall 22
01-2667081
info@draindoctor.ie



Emergency Plumbing and Drainage Service, CCTV Surveys, Drain Repairs, Blocked Drains

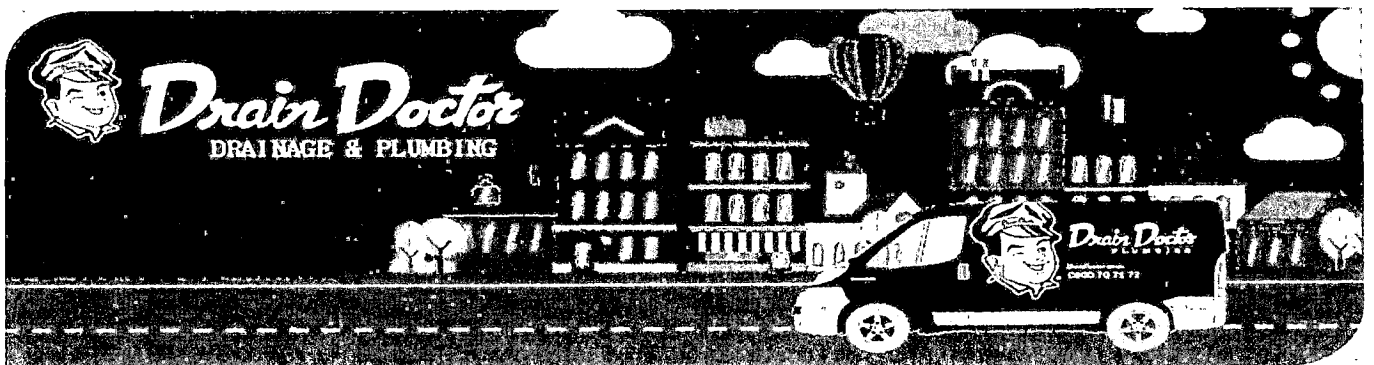
**Inspection Report
Paul Keogh Architects**

Coric House

Tallaght

Dublin 24

Dated: 31/10/2018





Summary Report

Page	Start	Finish	Recommendations
9	AJ1	Con A	After our survey and jetting here we found this line is in good condition. It takes a gully which is buried under the stone
13	AJ1	Con B	After jetting and surveying this line to remove lots of stone we found this line has a hole on the top of the pipe. There is no other problems to report here
17	AJ1	MH2	After jetting this line we found that it flows down to a MH in the car park (MH2). There is a car parked on this but we could hear the jet in the MH. We could not fully clean the line back jetting from the AJ. We need access to the manhole that has a car parked on it in order to jet the line out from here. No other issues to report
21	MH1	Con A	After our survey here we found the line is in good condition, no problems to report. This is the foul pop up (pop up 3) for unit2
25	MH1	Con B	After our survey on this line we found it is in good condition. This takes the toilets from upstairs and downstairs in unit3. No problems to report
29	MH1	Con C	After our survey here we found this line is in good condition. This takes a gully in the courtyard area
33	MH1	MH3	Line in good condition
37	Pop up 1	Downstream	After our survey on Popup1 we found that the line is holding a WL for the majority of the run. We pulled the hose into the unit and jetted downstream, this dropped the levels a bit, but there is still a WL in the line. The line turns left at approx 15m and then turns right at approx 17.5m. There is damage after it turns right. We jetted numerous times but this did not move. This looks like the pipe is collapsed here

41	Pop up 2	MH1	After our survey on this line we found that it has a WL of 5-10% in it, This line drops into MH1. No other problems to report. This was blocked on arrival so we pulled hose in and jetted to enable us to survey the line. This is the foul pop up (pop up 2) for unit1
46	Stack 2	Downstream	After surveying this line we found that it is holding a WL for the majority of the run with the camera under water for parts of the run. We found that the line runs to a buried A outside the shop and this has a broken pipe in it. It may be collapsed. This is the same area where Popup1 is blocked.
50	Stack 3	AJ1	After jetting this line we found that it goes out to an AJ outside. (AJ1). The line is in good condition. No problems to report

Report details



Address: Unit 2A Chestnut Road
Western Industrial Estate
Dublin 12

Tel: 01-4260701

Email:

Survey Crew:

Fax:

Info@draindoctordublin.ie

Client Details

Client Name: Paul Keogh Architects

Client Ref:

Address:

Telephone:

Email:

Site Details

Site Contact:

Site Reference:

Site Address:

Town

ZIP/PostCode

Telephone:

Email:

Coric House

Tallaght

Dublin

Survey details

Survey Date: 31/10/2018

Our Reference:

Use: Surface water
Purpose: Routine inspection of condition
Weather: No rain or snow

Pipe Height/Diameter: 100
Pipe Width:
Pipe Size: Medium
Pipe Shape: Circular
Pipe Material: Polyvinyl chloride
Direction: Upstream

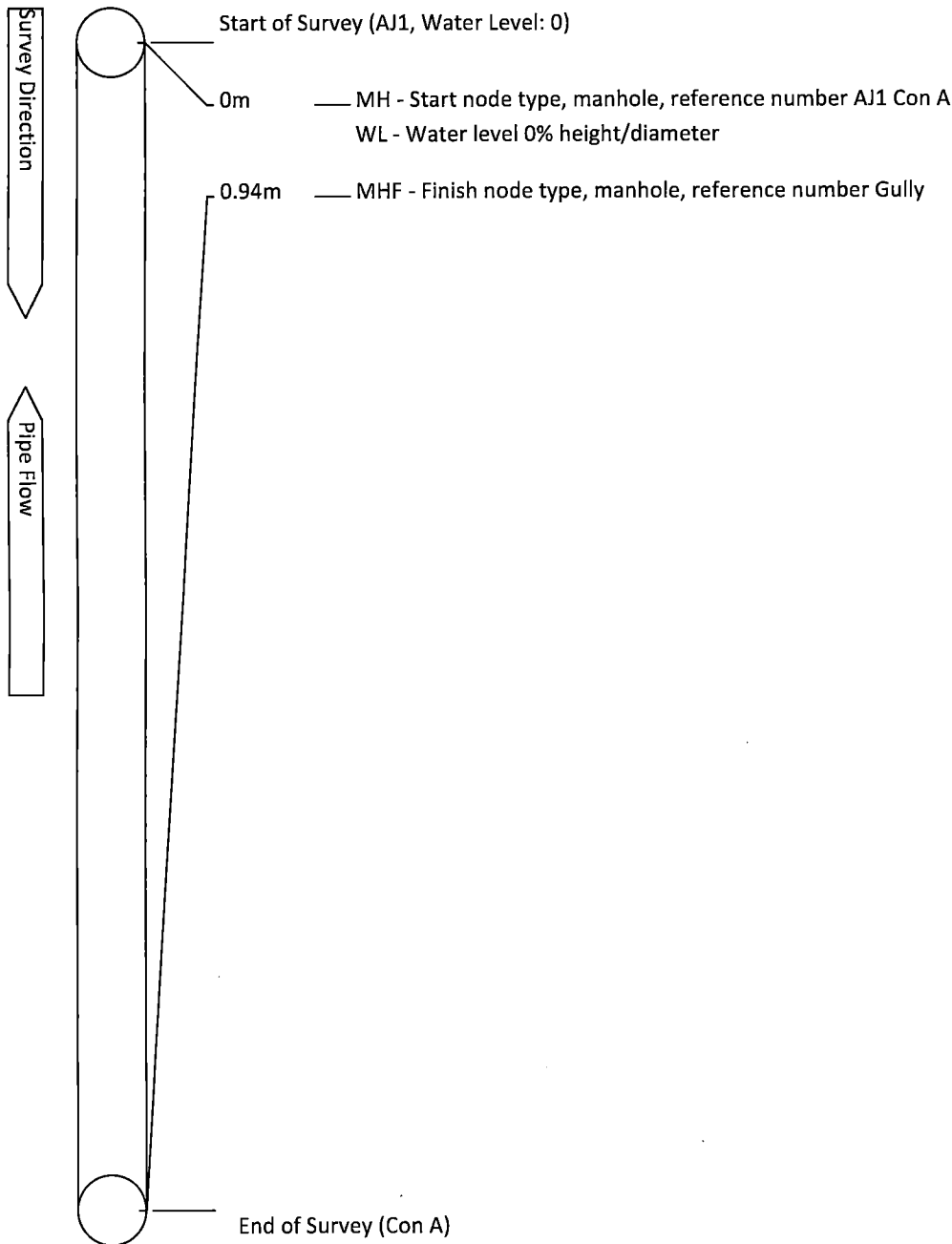
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	AJ1	Finish:	Con A
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number AJ1 Con A		
0m	WL	Water level 0% height/diameter.		
0.94m	MHF	Finish node type, manhole, reference number Gully		

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	AJ1	Finish:	Con A
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		AJ1		Finish:		Con A				
Depth at Start Node:		580		Depth at Finish Node:		N/A				
Direction:		Upstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	mm	%	At/From	To
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter					0			
0.94m	MHF	Finish node type, manhole, reference number ...								

Comments

After our survey and jetting here we found this line is in good condition. It takes a gully which is buried under the stone.

Survey details

Survey Date: 31/10/2018


Our Reference:

Use: Surface water
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Upstream

Observations

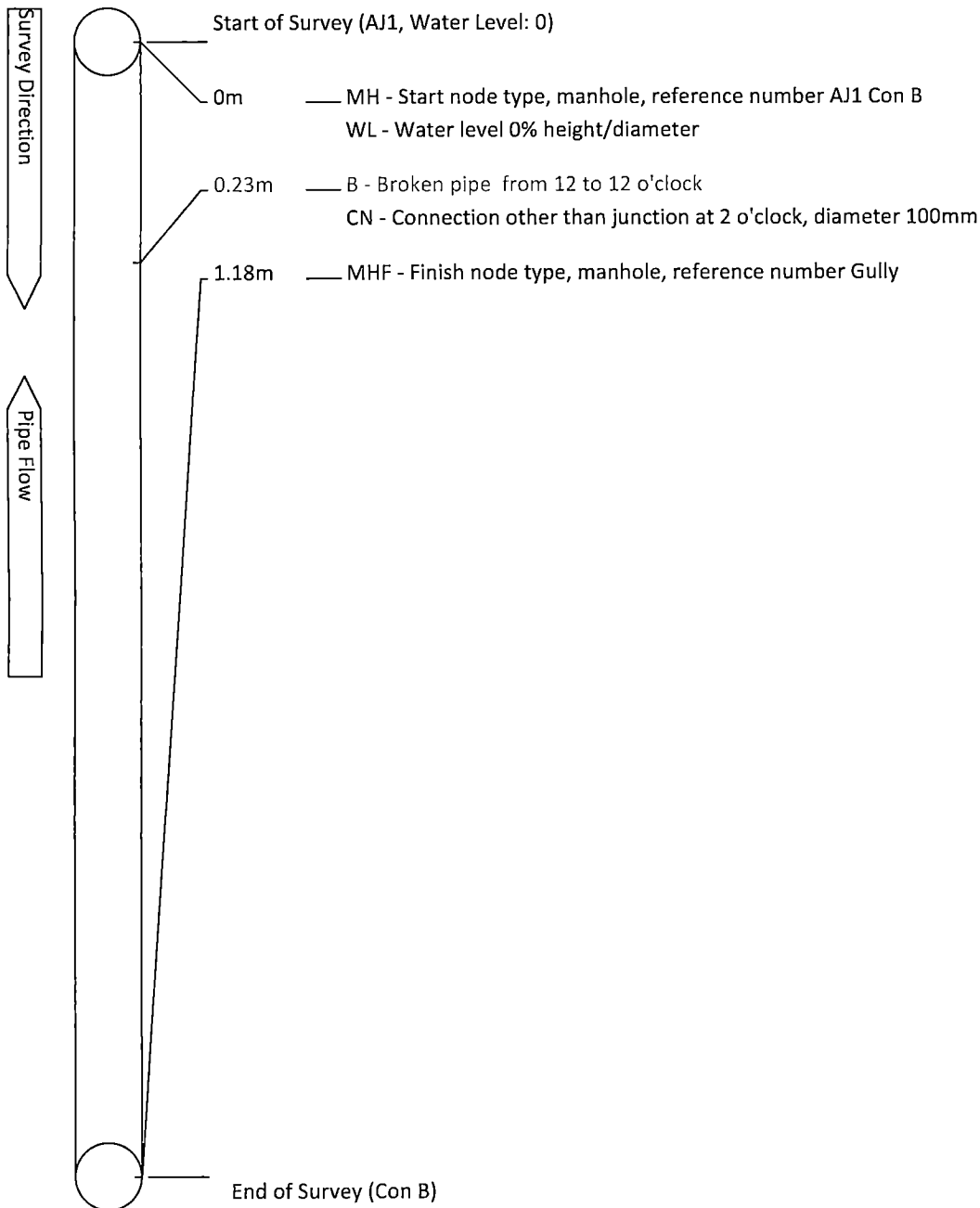
Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	AJ1	Finish:	Con B
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number AJ1 Con B		
0m	WL	Water level 0% height/diameter.		
0.23m	B	Broken pipe from 12 to 12 o'clock. Hole	2	
0.23m	CN	Connection other than junction at 2 o'clock, diameter 100mm.		
1.18m	MHF	Finish node type, manhole, reference number Gully		

31Oct_001.MP4_002.JPG

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:	Survey Date:	31/10/2018	
Survey Address:	Coric House		
Start:	AJ1	Finish:	Con B
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		AJ1		Finish:		Con B				
Depth at Start Node:		580		Depth at Finish Node:		N/A				
Direction:		Upstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	mm	2nd	%	At/From
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter					0			
0.23m	B	Broken pipe at ... (OR from ... to ...) o'clock	2						12	12
0.23m	CN	Connection other than junction at ... o'clock, diameter ...mm				100			2	
1.18m	MHF	Finish node type, manhole, reference number ...								

Comments

After jetting and surveying this line to remove lots of stone we found this line has a hole on the top of the pipe. There is no other problems to report here.

Survey details

Survey Date: 31/10/2018

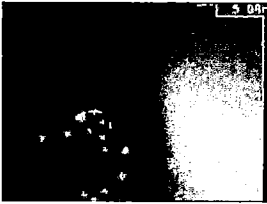

Our Reference:

Use: Surface water
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Downstream

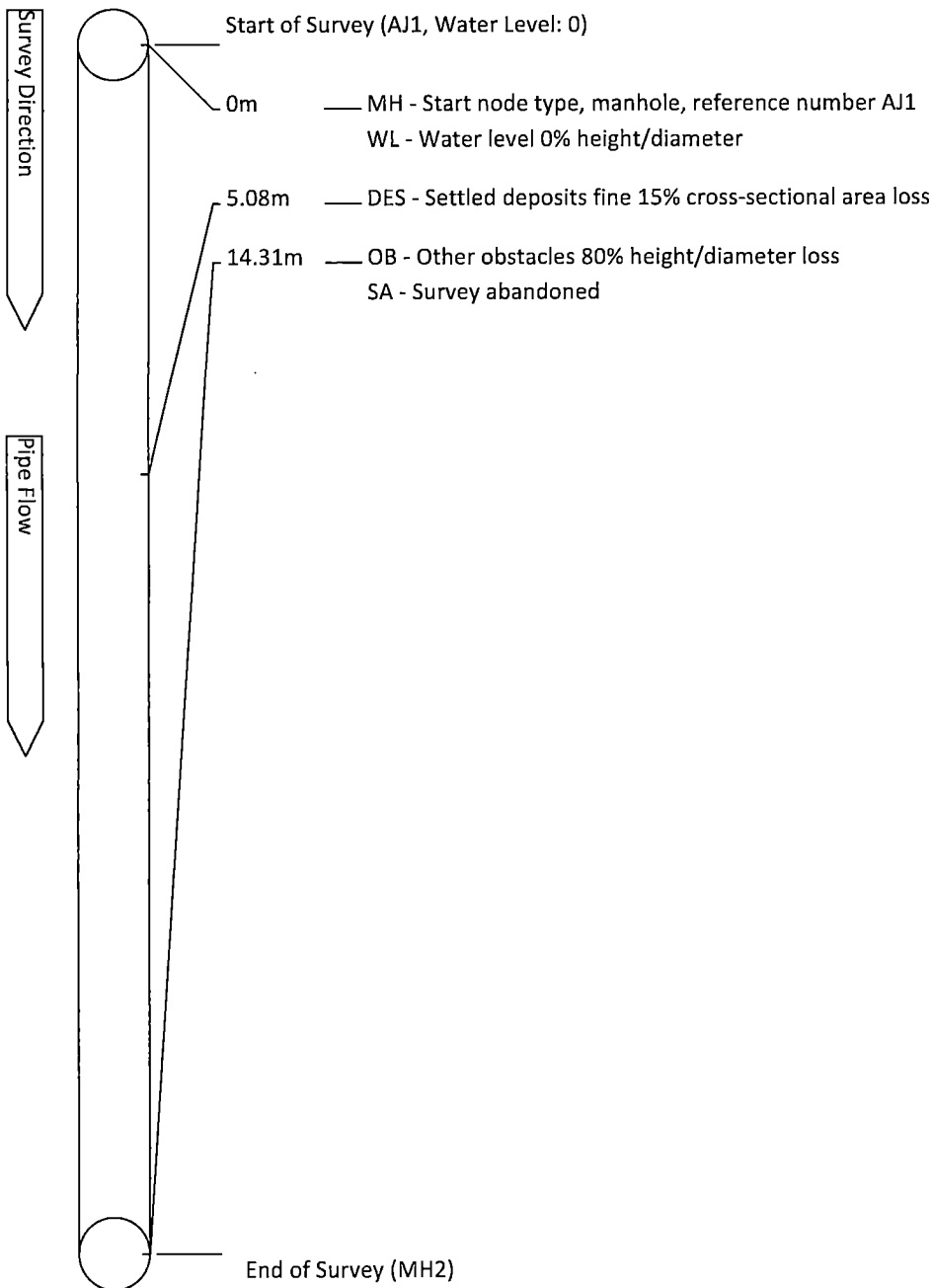
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	AJ1	Finish:	MH2
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number AJ1		
0m	WL	Water level 0% height/diameter.		
5.08m	DES	Settled deposits fine 15% cross-sectional area loss. Debris		 <p>31Oct_001.MP4_002.JPG</p>
14.31m	OB	Other obstacles 80% height/diameter loss. Rubble		 <p>31Oct_001.MP4_003.JPG</p>
14.31m	SA	Survey abandoned. Camera wont pass		

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	AJ1	Finish:	MH2
Depth at Start Node:	580	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		AJ1		Finish:		MH2				
Depth at Start Node:		580		Depth at Finish Node:		N/A				
Direction:		Downstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	1st	2nd	%	At/From
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter						0		
5.08m	DES	Settled deposits fine ...% cross-sectional area loss						15		
14.31m	OB	Other obstacles ...% height/diameter loss						80		
14.31m	SA	Survey abandoned								

Comments

After jetting this line we found that it flows down to a MH in the car park (MH2). There is a car parked on this but we could hear the jet in the MH. We could not fully clean the line back jetting from the AJ. We need access to the manhole that has a car parked on it in order to jet the line out from here. No other issues to report.

Survey details

Survey Date: 01/11/2018

Our Reference:

Use: Foul
Purpose: Routine inspection of condition
Weather: No rain or snow

Pipe Height/Diameter: 100
Pipe Width:
Pipe Size: Medium
Pipe Shape: Circular
Pipe Material: Polyvinyl chloride
Direction: Upstream

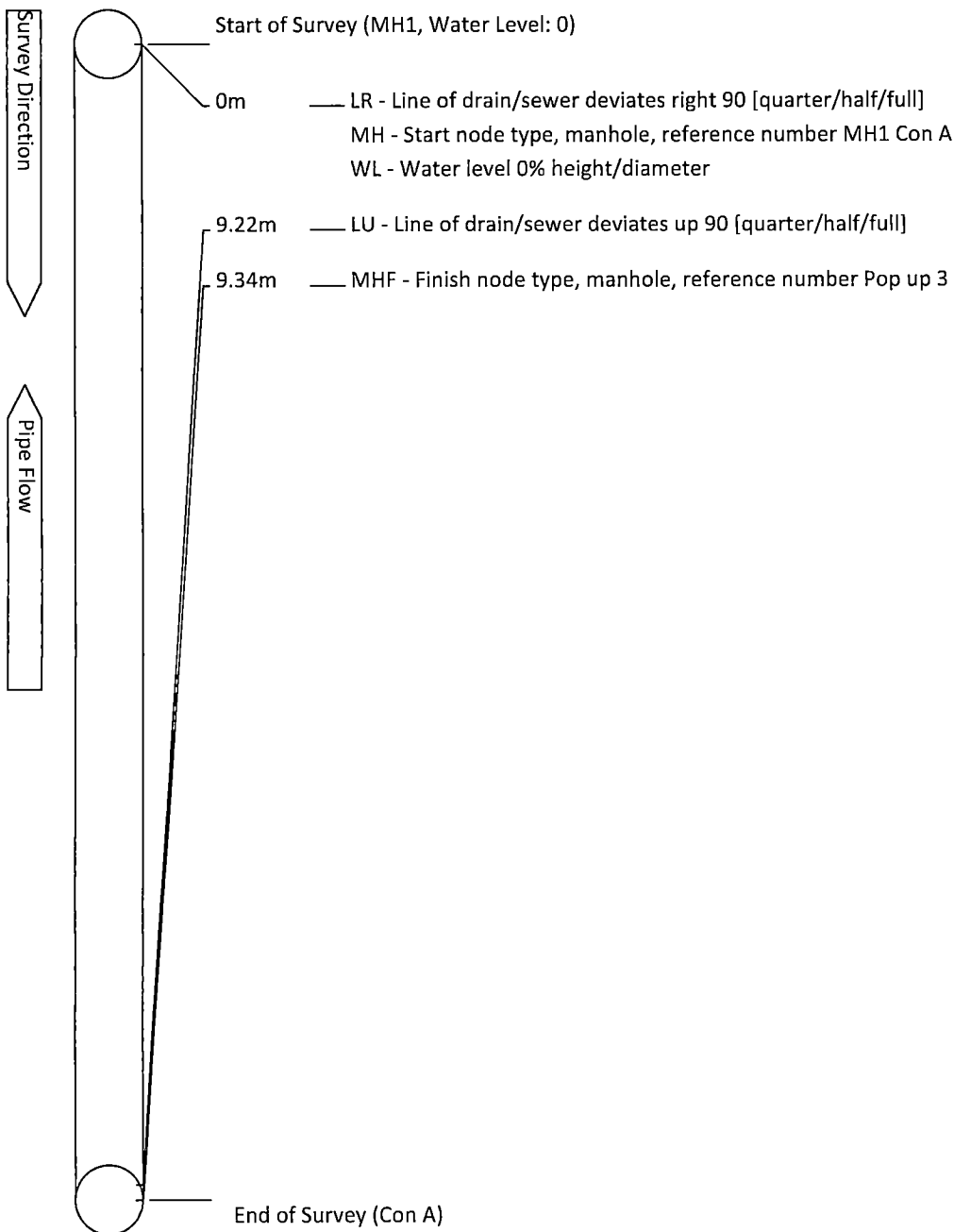
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	01/11/2018
Survey Address:	Coric House		
Start:	MH1	Finish:	Con A
Depth at Start Node:	400	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	LR	Line of drain/sewer deviates right 90 [quarter/half/full]		
0m	MH	Start node type, manhole, reference number MH1 Con A		
0m	WL	Water level 0% height/diameter.		
9.22m	LU	Line of drain/sewer deviates up 90 [quarter/half/full]		
9.34m	MHF	Finish node type, manhole, reference number Pop up 3		

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:	Survey Date:	01/11/2018	
Survey Address:	Coric House		
Start:	MH1	Finish:	Con A
Depth at Start Node:	400	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy									
Survey Customer:		Paul Keogh Architects		Survey Date:		01/11/2018					
Job Ref:											
Survey Address:		Coric House									
Start:		MH1		Finish:		Con A					
Depth at Start Node:		400		Depth at Finish Node:		N/A					
Direction:		Upstream		Height:		100					
Length Surveyed:											
Material:		Polyvinyl chloride		Size:		Medium		Shape:		Circular	
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock		
						SML	mm	%	At/From	To	
Position	Code	Description				1st	2nd				
0m	LR	Line of drain/sewer deviates right ... [quarter/half/full]									
0m	MH	Start node type, manhole, reference number ...									
0m	WL	Water level ...% height/diameter						0			
9.22m	LU	Line of drain/sewer deviates up ... [quarter/half/full]									
9.34m	MHF	Finish node type, manhole, reference number ...									

Comments

After our survey here we found the line is in good condition, no problems to report. This is the foul pop up (pop up 3) for unit2.

Survey details

Survey Date: 01/11/2018

Our Reference:

Use: Foul
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Upstream

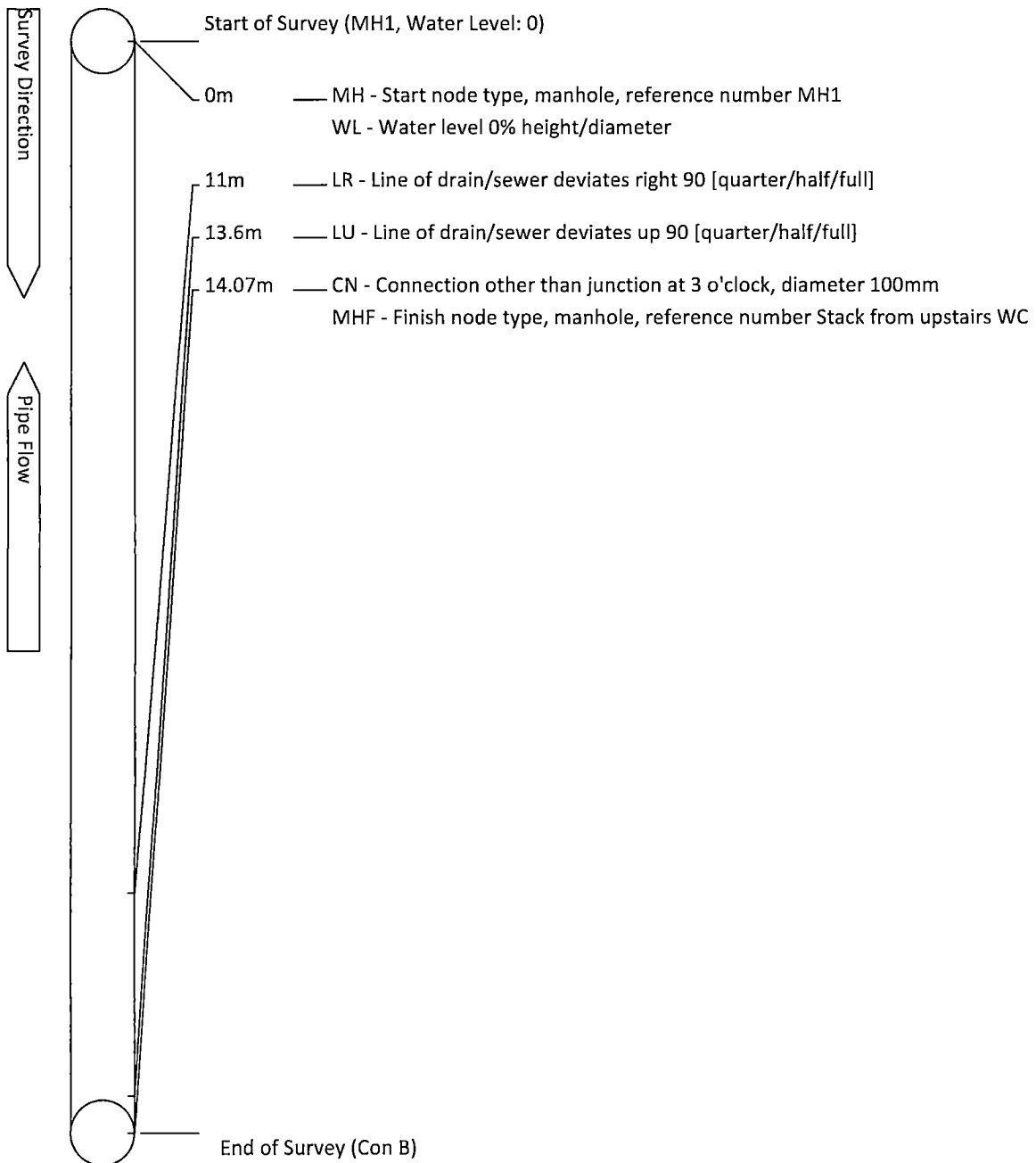
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	01/11/2018
Survey Address:	Coric House		
Start:	MH1	Finish:	Con B
Depth at Start Node:	410	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number MH1		
0m	WL	Water level 0% height/diameter.		
11m	LR	Line of drain/sewer deviates right 90 [quarter/half/full]		
13.6m	LU	Line of drain/sewer deviates up 90 [quarter/half/full]		
14.07m	CN	Connection other than junction at 3 o'clock, diameter 100mm. Downstairs toilet		
14.07m	MHF	Finish node type, manhole, reference number Stack from upstairs WC		

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	01/11/2018
Survey Address:	Coric House		
Start:	MH1	Finish:	Con B
Depth at Start Node:	410	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		01/11/2018				
Survey Customer:		Paul Keogh Architects		Survey Address:		Coric House				
Job Ref:				Start:		MH1				
Survey Address:		Coric House		Finish:		Con B				
Start:		MH1		Depth at Start Node:		410				
Depth at Start Node:		410		Depth at Finish Node:		N/A				
Direction:		Upstream		Height:		100				
Length Surveyed:				Material:		Polyvinyl chloride				
				Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	mm	%	At/From	To
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter						0		
11m	LR	Line of drain/sewer deviates right ... [quarter/half/full]								
13.6m	LU	Line of drain/sewer deviates up ... [quarter/half/full]								
14.07m	CN	Connection other than junction at ... o'clock, diameter ...mm				100			3	
14.07m	MHF	Finish node type, manhole, reference number ...								

Comments

After our survey on this line we found it is in good condition. This takes the toilets from upstairs and downstairs in unit3. No problems to report.

Survey details

Survey Date: 01/11/2018

Our Reference:

Use: Foul
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Upstream

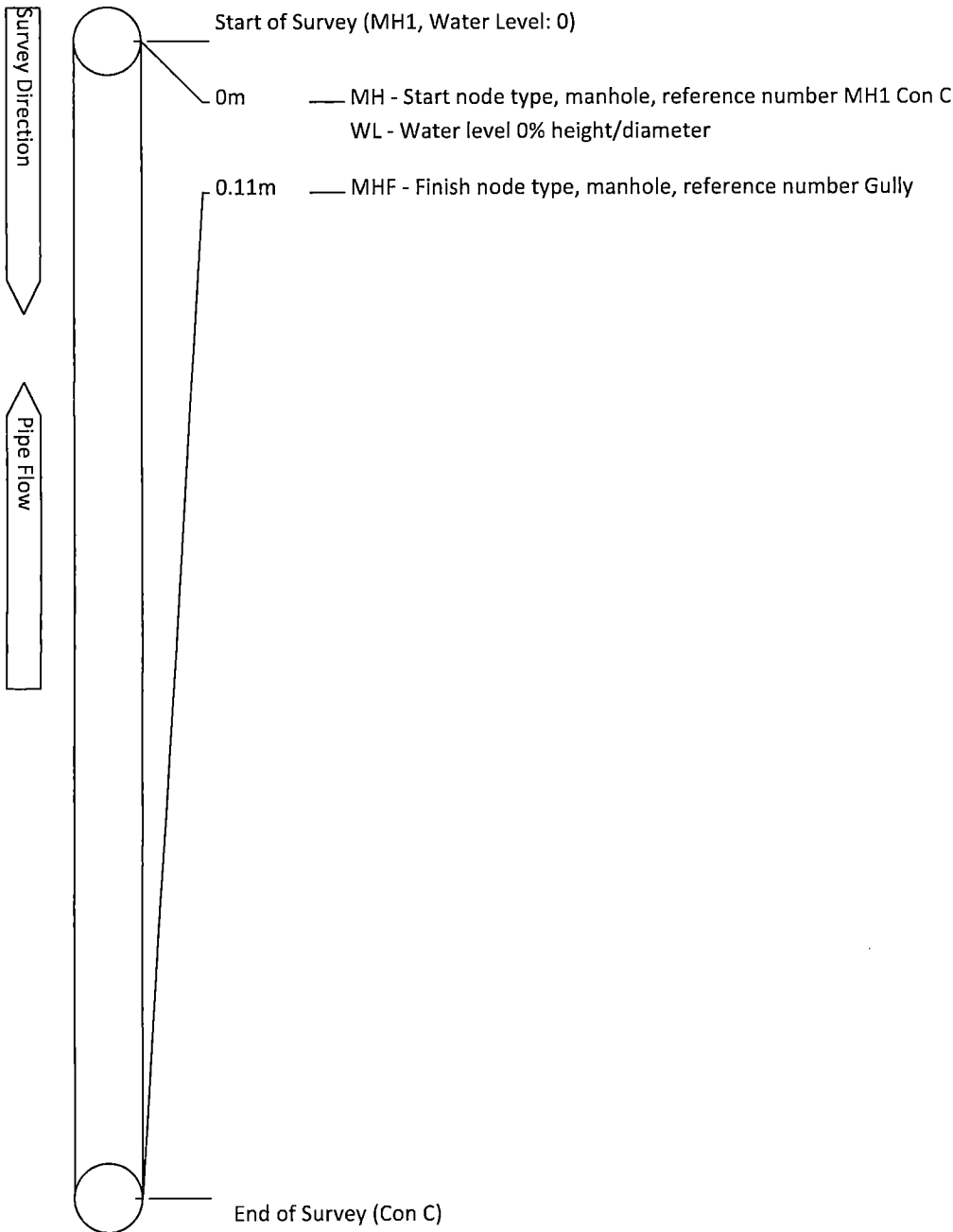
Observations

Crew:	Paul Murphy				
Survey Customer:	Paul Keogh Architects				
Job Ref:		Survey Date:	01/11/2018		
Survey Address:	Coric House				
Start:	MH1	Finish:	Con C		
Depth at Start Node:	200	Depth at Finish Node:	N/A		
Direction:	Upstream	Height:	100		
Length Surveyed:					
Material:	Polyvinyl chloride	Size:	Medium	Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number MH1 Con C		
0m	WL	Water level 0% height/diameter.		
0.11m	MHF	Finish node type, manhole, reference number Gully		

Pipe Graphic

Crew:	Paul Murphy	Survey Date:	01/11/2018
Survey Customer:	Paul Keogh Architects		
Job Ref:			
Survey Address:	Coric House		
Start:	MH1	Finish:	Con C
Depth at Start Node:	200	Depth at Finish Node:	N/A
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		01/11/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		MH1		Finish:		Con C				
Depth at Start Node:		200		Depth at Finish Node:		N/A				
Direction:		Upstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	mm 1st	2nd	%	At/From
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter					0			
0.11m	MHF	Finish node type, manhole, reference number ...								

Comments

After our survey here we found this line is in good condition. This takes a gully in the courtyard area.

Survey details

Survey Date: 01/11/2018

Our Reference:

Use: Foul
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Upstream

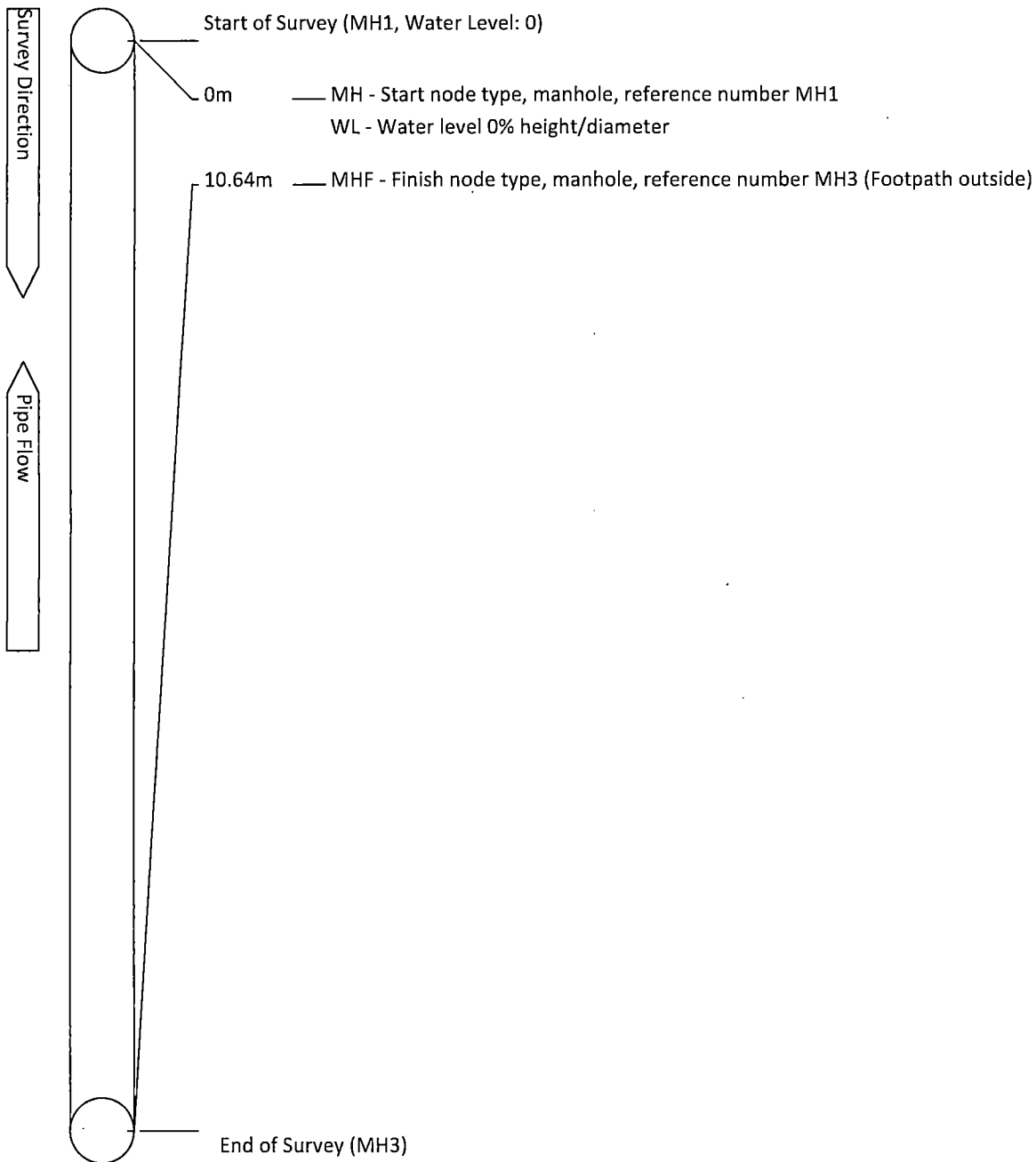
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	01/11/2018
Survey Address:	Coric House		
Start:	MH1	Finish:	MH3
Depth at Start Node:	420	Depth at Finish Node:	Unable to open.
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number MH1		
0m	WL	Water level 0% height/diameter.		
10.64m	MHF	Finish node type, manhole, reference number MH3 (Footpath outside)		

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:	Survey Date:	01/11/2018	
Survey Address:	Coric House		
Start:	MH1	Finish:	MH3
Depth at Start Node:	420	Depth at Finish Node:	Unable to open.
Direction:	Upstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy									
Survey Customer:		Paul Keogh Architects		Survey Date:		01/11/2018					
Job Ref:											
Survey Address:		Coric House									
Start:		MH1		Finish:		MH3					
Depth at Start Node:		420		Depth at Finish Node:		Unable to open.					
Direction:		Upstream		Height:		100					
Length Surveyed:											
Material:		Polyvinyl chloride		Size:		Medium		Shape:		Circular	
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock		
Position	Code	Description				SML	mm 1st	2nd	%	At/From	To
0m	MH	Start node type, manhole, reference number ...									
0m	WL	Water level ...% height/diameter						0			
10.64m	MHF	Finish node type, manhole, reference number ...									

Comments

Line in good condition

Survey details

Survey Date: 31/10/2018

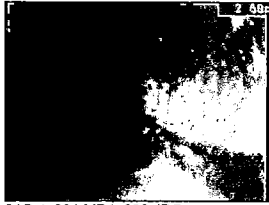
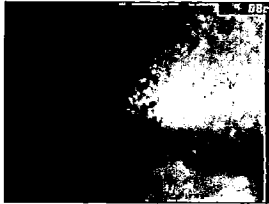
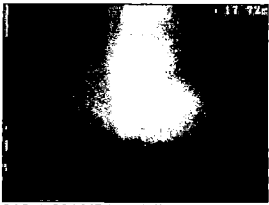
Our Reference:

Use: Surface water
Purpose: Routine inspection of condition
Weather: No rain or snow

Pipe Height/Diameter: 100
Pipe Width:
Pipe Size: Medium
Pipe Shape: Circular
Pipe Material: Polyvinyl chloride
Direction: Downstream

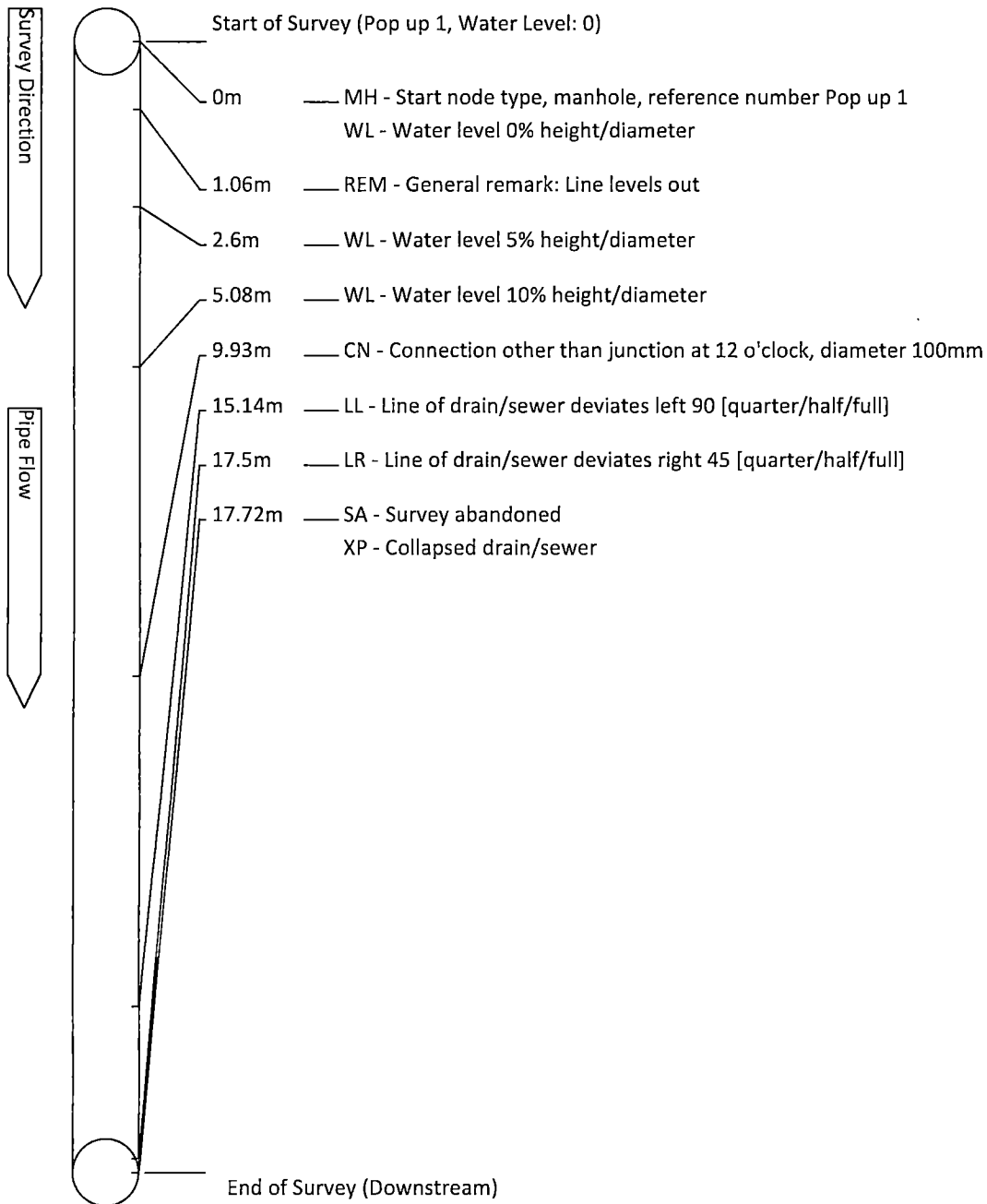
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	Pop up 1	Finish:	Downstream
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number Pop up 1		
0m	WL	Water level 0% height/diameter.		
1.06m	REM	General remark: Line levels out		
2.6m	WL	Water level 5% height/diameter.		
				31Oct_001.MP4_002.JPG
5.08m	WL	Water level 10% height/diameter.		
				31Oct_001.MP4_003.JPG
9.93m	CN	Connection other than junction at 12 o'clock, diameter 100mm. Stack 1		
15.14m	LL	Line of drain/sewer deviates left 90 [quarter/half/full]		
17.5m	LR	Line of drain/sewer deviates right 45 [quarter/half/full]		
17.72m	SA	Survey abandoned. Camera wont pass obstruction		
17.72m	XP	Collapsed drain/sewer.	5	
				31Oct_001.MP4_004.JPG

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:	Survey Date:	31/10/2018	
Survey Address:	Coric House		
Start:	Pop up 1	Finish:	Downstream
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		Pop up 1		Finish:		Downstream				
Depth at Start Node:		Above ground		Depth at Finish Node:		N/A				
Direction:		Downstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
						SML	mm 1st	2nd	%	At/From
Position	Code	Description								
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter						0		
1.06m	REM	General remark: ...								
2.6m	WL	Water level ...% height/diameter						5		
5.08m	WL	Water level ...% height/diameter						10		
9.93m	CN	Connection other than junction at ... o'clock, diameter ...mm					100		12	
15.14m	LL	Line of drain/sewer deviates left ... [quarter/half/full]								
17.5m	LR	Line of drain/sewer deviates right ... [quarter/half/full]								
17.72m	SA	Survey abandoned								
17.72m	XP	Collapsed drain/sewer	5							

Comments

After our survey on Popup1 we found that the line is holding a WL for the majority of the run. We pulled the hose into the unit and jetted downstream, this dropped the levels a bit, but there is still a WL in the line. The line turns left at approx 15m and then turns right at approx 17.5m. There is damage after it turns right. We jetted numerous times but this did not move. This looks like the pipe is collapsed here.

Survey details

Survey Date: 31/10/2018

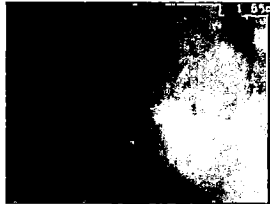
Our Reference:

Use: Foul
 Purpose: Routine inspection of condition
 Weather: No rain or snow

Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Downstream

Observations

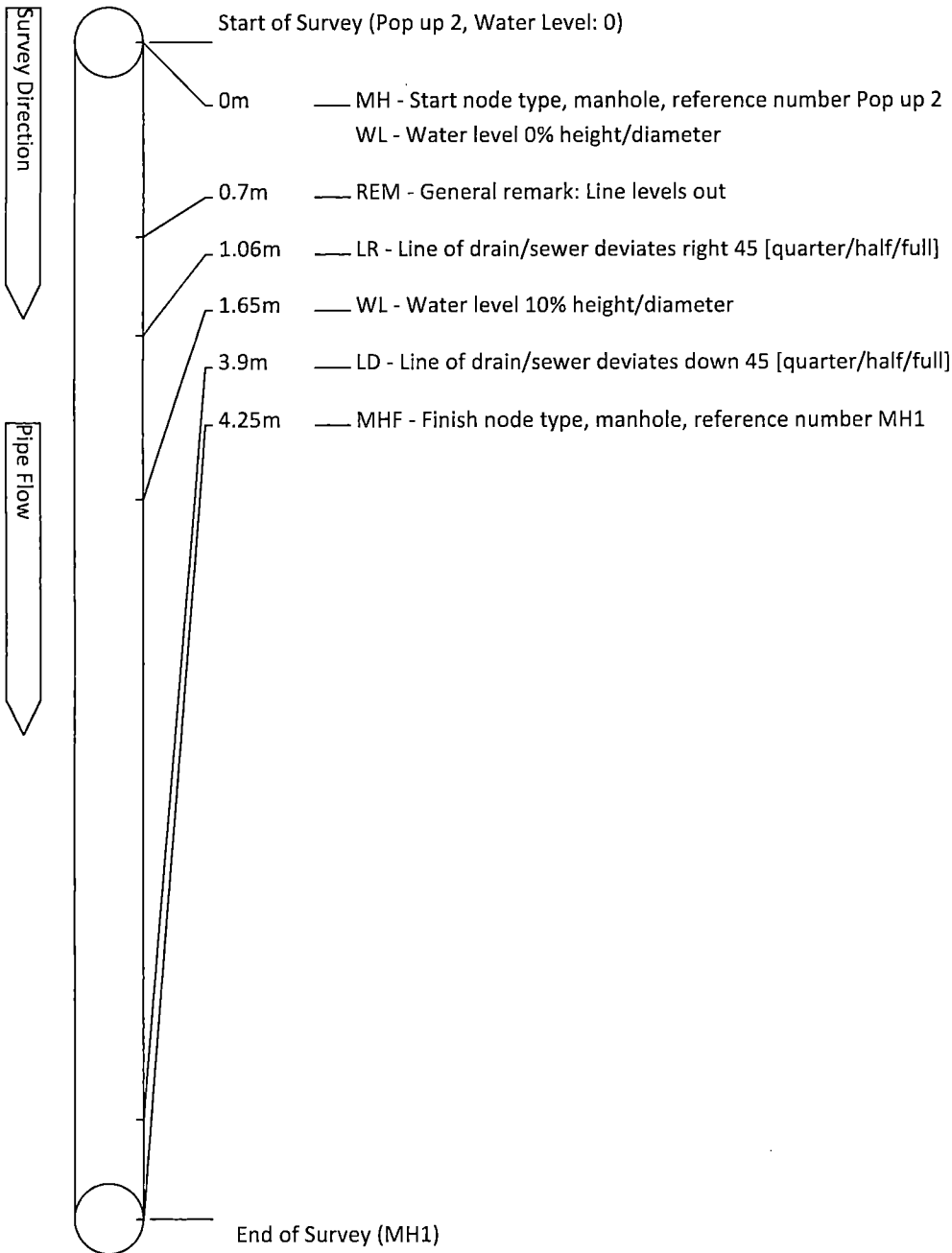
Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	Pop up 2	Finish:	MH1
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number Pop up 2		
0m	WL	Water level 0% height/diameter.		
0.7m	REM	General remark: Line levels out		
1.06m	LR	Line of drain/sewer deviates right 45 [quarter/half/full]		
1.65m	WL	Water level 10% height/diameter.		
3.9m	LD	Line of drain/sewer deviates down 45 [quarter/half/full]		
4.25m	MHF	Finish node type, manhole, reference number MH1		

31Oct_001.MP4_002.JPG

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	Pop up 2	Finish:	MH1
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		Pop up 2		Finish:		MH1				
Depth at Start Node:		Above ground		Depth at Finish Node:		N/A				
Direction:		Downstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				SML	mm 1st	2nd	%	At/From
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter					0			
0.7m	REM	General remark: ...								
1.06m	LR	Line of drain/sewer deviates right ... [quarter/half/full]								
1.65m	WL	Water level ...% height/diameter					10			
3.9m	LD	Line of drain/sewer deviates down ... [quarter/half/full]								
4.25m	MHF	Finish node type, manhole, reference number ...								

Comments

After our survey on this line we found that it has a WL of 5-10% in it, This line drops into MH1. No other problems to report. This was blocked on arrival so we pulled hose in and jetted to enable us to survey the line. This is the foul pop up (pop up 2) for unit1.

Survey details

Survey Date: 31/10/2018

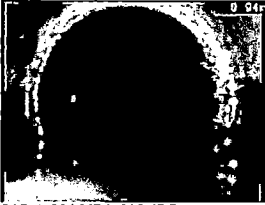
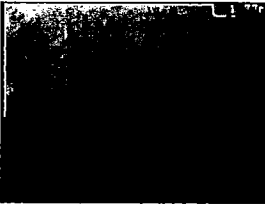
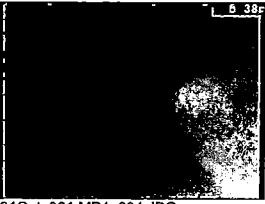
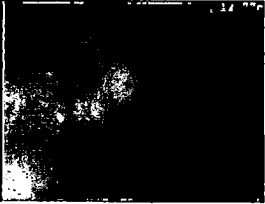
Our Reference:

Use: Surface water
 Purpose: Routine inspection of condition
 Weather: No rain or snow

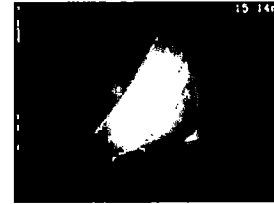
Pipe Height/Diameter: 100
 Pipe Width:
 Pipe Size: Medium
 Pipe Shape: Circular
 Pipe Material: Polyvinyl chloride
 Direction: Downstream

Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	Stack 2	Finish:	Downstream
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number Stack 2		
0m	WL	Water level 0% height/diameter.		
0.94m	REM	General remark: Line levels out		
0.94m	WL	Water level 10% height/diameter.		
				31Oct_001.MP4_002.JPG
1.77m	WL	Water level 20% height/diameter.		
				31Oct_001.MP4_003.JPG
3.54m	CUW	Loss of vision, camera under water.		
6.38m	WL	Water level 5% height/diameter.		
				31Oct_001.MP4_004.JPG
12.77m	WL	Water level 10% height/diameter.		
				31Oct_001.MP4_005.JPG
15.14m	MH	Start node type, manhole, reference number Burried AJ		

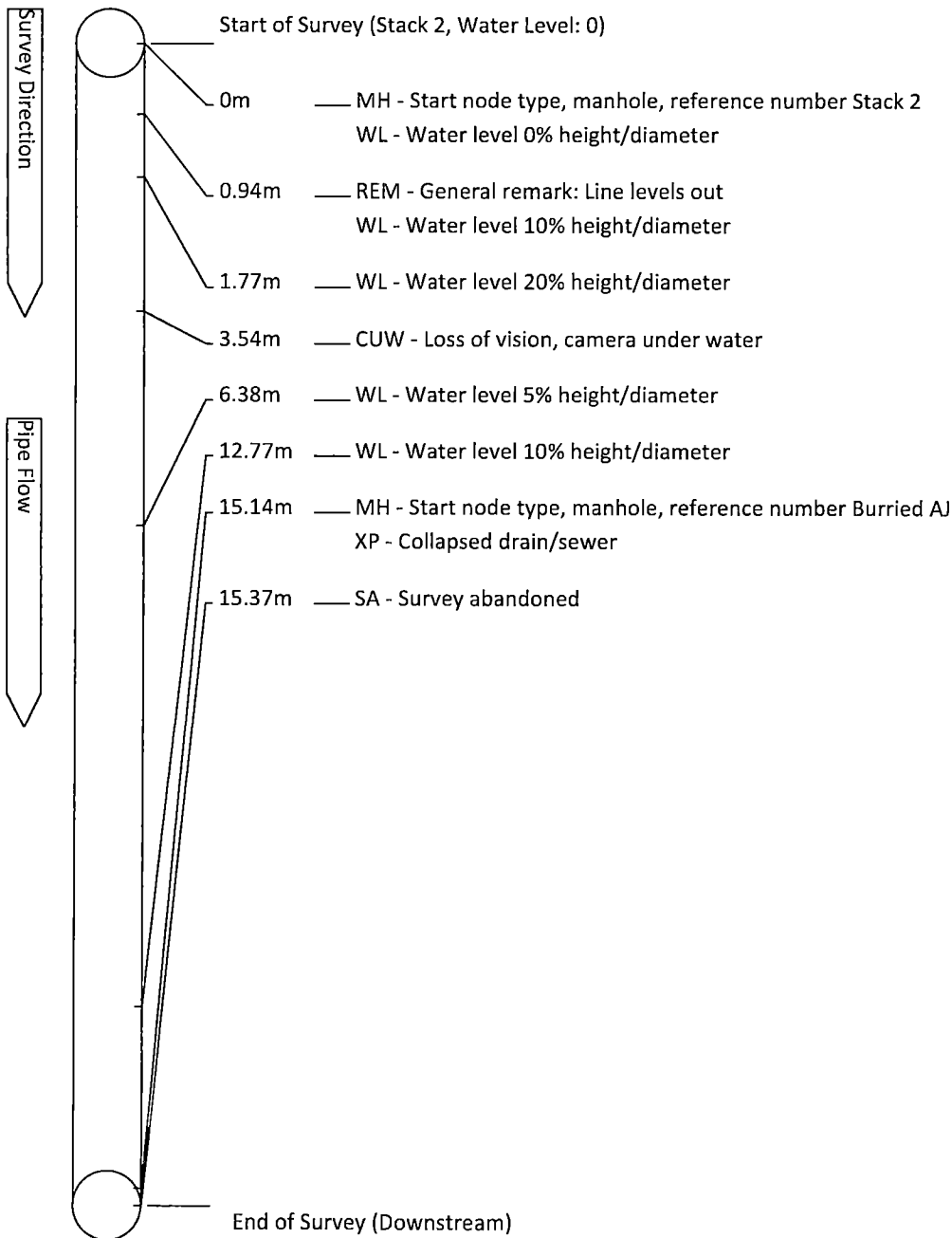
15.14m XP Collapsed drain/sewer. Broke in the AJ



15.37m SA Survey abandoned. Burried AJ

Pipe Graphic

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:		Survey Date:	31/10/2018
Survey Address:	Coric House		
Start:	Stack 2	Finish:	Downstream
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018					
Survey Customer:		Paul Keogh Architects									
Job Ref:						Survey Address:		Coric House			
Start:		Stack 2		Finish:		Downstream					
Depth at Start Node:		Above ground		Depth at Finish Node:		N/A					
Direction:		Downstream		Height:		100					
Length Surveyed:											
Material:		Polyvinyl chloride		Size:		Medium		Shape:		Circular	
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock		
						SML	mm	%	At/From	To	
Position	Code	Description				1st	2nd				
0m	MH	Start node type, manhole, reference number ...									
0m	WL	Water level ...% height/diameter						0			
0.94m	REM	General remark: ...									
0.94m	WL	Water level ...% height/diameter						10			
1.77m	WL	Water level ...% height/diameter						20			
3.54m	CUW	Loss of vision, camera under water									
6.38m	WL	Water level ...% height/diameter						5			
12.77m	WL	Water level ...% height/diameter						10			
15.14m	MH	Start node type, manhole, reference number ...									
15.14m	XP	Collapsed drain/sewer									
15.37m	SA	Survey abandoned									

Comments

After surveying this line we found that it is holding a WL for the majority of the run with the camera under water for parts of the run. We found that the line runs to a buried A outside the shop and this has a broken pipe in it. It may be collapsed. This is the same area where Popup1 is blocked.

Survey details

Survey Date: 31/10/2018

Our Reference:

Use: Surface water
Purpose: Routine inspection of condition
Weather: No rain or snow

Pipe Height/Diameter: 100
Pipe Width:
Pipe Size: Medium
Pipe Shape: Circular
Pipe Material: Polyvinyl chloride
Direction: Downstream

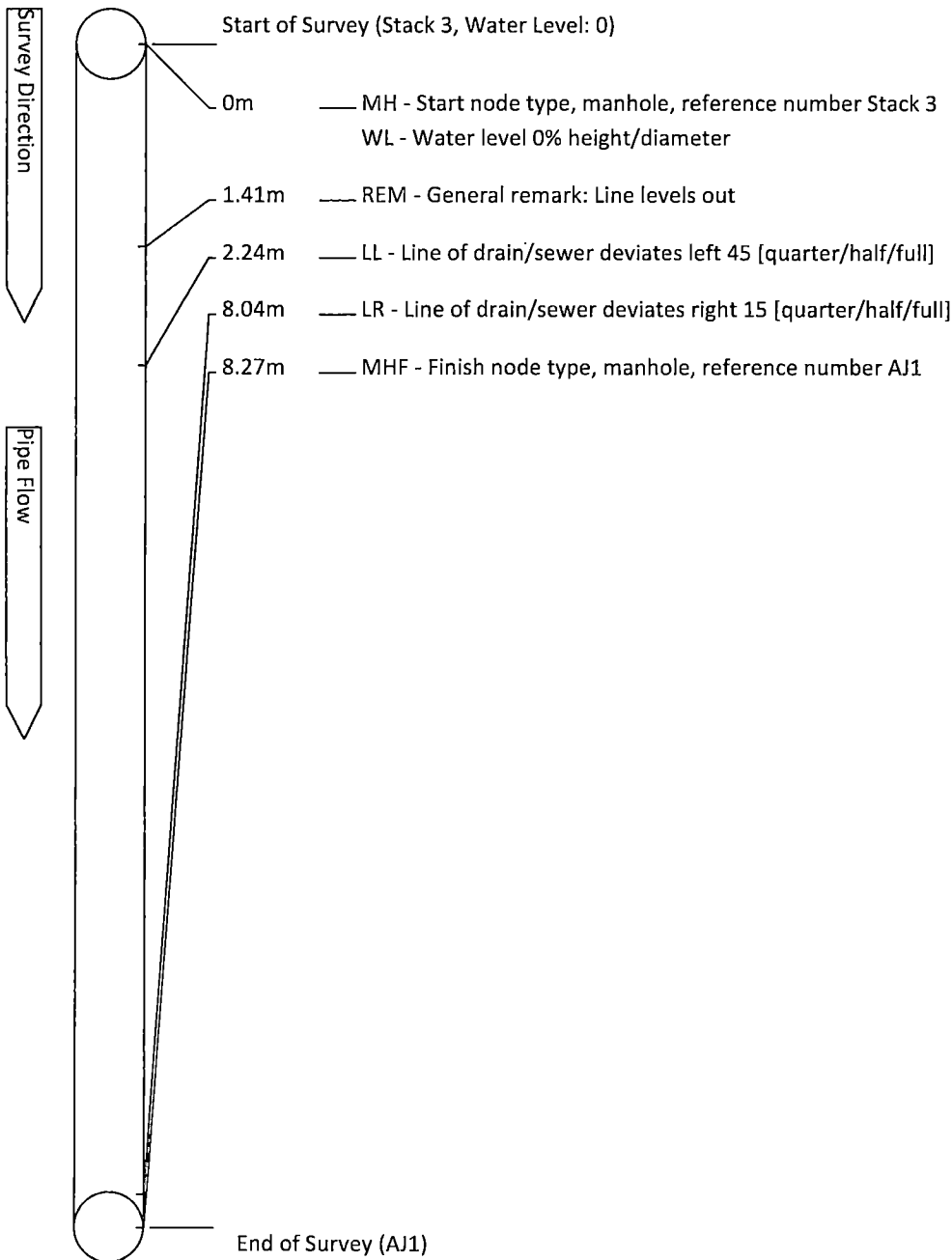
Observations

Crew:	Paul Murphy		
Survey Customer:	Paul Keogh Architects		
Job Ref:	Survey Date:	31/10/2018	
Survey Address:	Coric House		
Start:	Stack 3	Finish:	AJ1
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A
Direction:	Downstream	Height:	100
Length Surveyed:			
Material:	Polyvinyl chloride	Size:	Medium
		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number Stack 3		
0m	WL	Water level 0% height/diameter.		
1.41m	REM	General remark: Line levels out		
2.24m	LL	Line of drain/sewer deviates left 45 [quarter/half/full]		
8.04m	LR	Line of drain/sewer deviates right 15 [quarter/half/full]		
8.27m	MHF	Finish node type, manhole, reference number AJ1		

Pipe Graphic

Crew:	Paul Murphy		Survey Date:	31/10/2018	
Survey Customer:	Paul Keogh Architects				
Job Ref:					
Survey Address:	Coric House				
Start:	Stack 3	Finish:	AJ1		
Depth at Start Node:	Above ground	Depth at Finish Node:	N/A		
Direction:	Downstream	Height:	100		
Length Surveyed:					
Material:	Polyvinyl chloride	Size:	Medium	Shape:	Circular



Observation Table

Crew:		Paul Murphy		Survey Date:		31/10/2018				
Survey Customer:		Paul Keogh Architects								
Job Ref:										
Survey Address:		Coric House								
Start:		Stack 3		Finish:		AJ1				
Depth at Start Node:		Above ground		Depth at Finish Node:		N/A				
Direction:		Downstream		Height:		100				
Length Surveyed:										
Material:		Polyvinyl chloride		Size:		Medium				
				Shape:		Circular				
Code and Description			Grade	Joint	Cont. Defect	VALUE			Clock	
Position	Code	Description				mm		%	At/From	To
			SML	1st	2nd					
0m	MH	Start node type, manhole, reference number ...								
0m	WL	Water level ...% height/diameter					0			
1.41m	REM	General remark: ...								
2.24m	LL	Line of drain/sewer deviates left ... [quarter/half/full]								
8.04m	LR	Line of drain/sewer deviates right ... [quarter/half/full]								
8.27m	MHF	Finish node type, manhole, reference number ...								

Comments

After jetting this line we found that it goes out to an AJ outside. (AJ1). The line is in good condition. No problems to report.

Glossary

Code	Description
MH	Start node type, manhole, reference number ...
WL	Water level ...% height/diameter
REM	General remark: ...
LL	Line of drain/sewer deviates left ... [quarter/half/full]
LR	Line of drain/sewer deviates right ... [quarter/half/full]
MHF	Finish node type, manhole, reference number ...