AFTOMINSENSENCE

WATERIOUSEE

ONICE

OSSEMBLES, ONLINE

OSSEMBLES, ONLINE

INTO Education and others



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.
	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

Fax:

Email:

Info@draindoctordublin.ie

Survey Crew:

Client Details

Client Name:

Paul Keogh Architects

Client Ref: Address:

Telephone: Email:

Site Details

Site Contact:

Site Reference:

Site Address: Town Coric House

Tallaght Dublin

ZIP/PostCode

Telephone:

Email:

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: Pipe Material: Circular Polyvinyl chloride

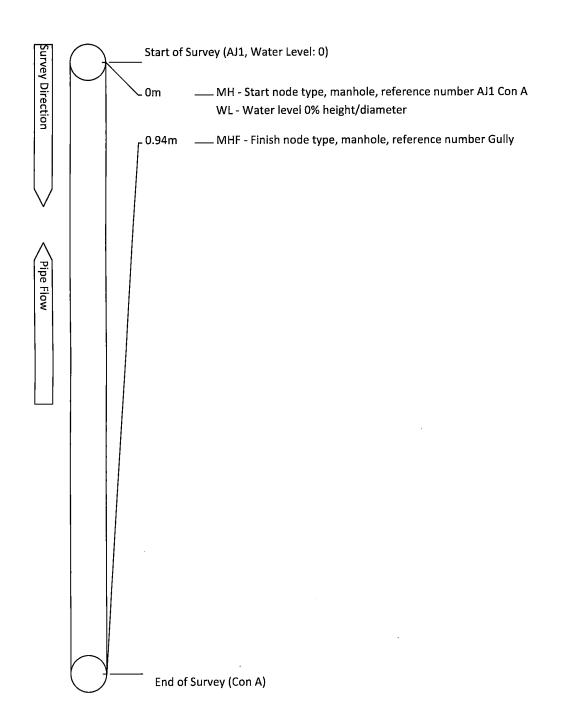
Direction:

Upstream

Crew:	Paul Murphy		•				
Survey Customer:	Paul Keogh Architects						
Job Ref:	-	Survey Date:	31/10/2018	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	Shap	e: Circular		

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

Crew:		Paul Murphy					
Survey Cust	omer:	Paul Keogh Architects					
Job Ref:			Survey Date: 31/10/2018				
Survey Addr	ess:	Coric House					
Start:		AJ1	Finish:		Con /	A	
Depth at Sta	rt Node:	580	Depth at Finish I	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Surv	eyed:	·			_		
Material:	Polyvinyl c	hloride	Size:	Medium		Shape:	Circular



Crew:		Paul Murphy									
Survey Cu	ıstomer:	Paul Keogh Ar	chitects								
Job Ref:				Survey D	ate:	31/10/2018	В				
Survey Ac	ldress:	Coric House									
Start:		AJ1		Finish:			Con A				
Depth at S	Start Node:	580		Depth at Finish Node:		N/A					
Direction:		Upstream		Height:		100					
Length Su	rveyed:			•							
Material:	erial: Polyvinyl chloride Size: Medium Shape:		hape:	Circula	ır						
	Code and Description		Grade	e Joint Cont.		VA	LUE		Clock		
					Defect		mm		%	At/From	To
Position	Code	Description				SML	1st	2nd			
0m	MH	Start node type,									
		manhole,									
		reference									
		number	<u> </u>								
0m	WL	Water level%							0		
		height/diameter									
0.94m	MHF	Finish node									
		type, manhole,		1							
		reference		1							
		number			1		1	1	1		

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:

Pipe Width:

Medium

100

Pipe Size: Pipe Shape:

Circular

Pipe Material:

Polyvinyl chloride

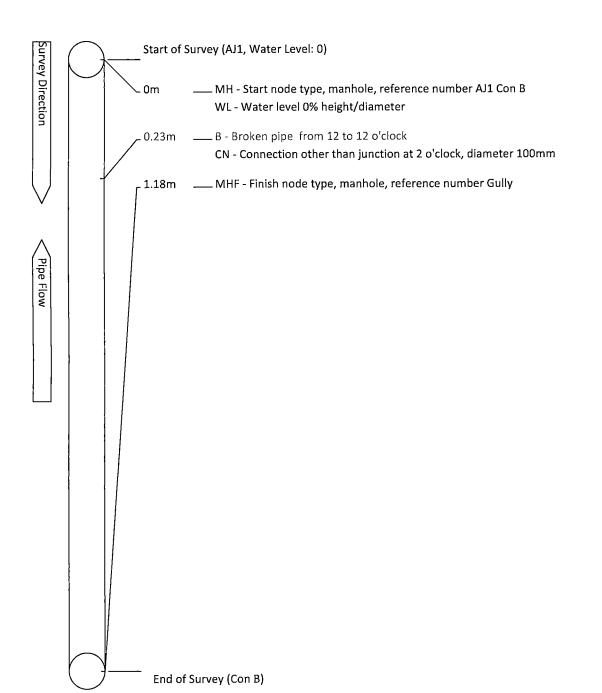
Direction:

Upstream

Crew:		Paul Murphy	-	-			
Survey Custo	omer:	Paul Keogh Architects					
Job Ref:		Survey Date: 31/10/2018					
Survey Addr	ess:						
Start:		AJ1	Finish:		Con	В	
Depth at Star	rt Node:	580	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Surve	eyed:	•	-				
Material:	Polyvinyl	chloride	Size:	Medium		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	МН	Start node type, manhole, reference number AJ1 Con B		
0m	WL	Water level 0% height/diameter.		
0.23m	В	Broken pipe from 12 to 12 o'clock. Hole	2	31Oct_001.MP4_002.JPG
0.23m	CN	Connection other than junction at 2 o'clock, diameter 100mm.		
1.18m	MHF	Finish node type, manhole, reference number Gully		

Crew:		Paul Murphy					
Survey Custo	omer:	Paul Keogh Architects					
Job Ref:			Survey Date:	31/10/2018	3		
Survey Addr	ess:	Coric House_					
Start:		AJ1	Finish:		Con l	В	
Depth at Sta	rt Node:	580	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Surv	eyed:	•					
Material:	Polyvinyl	chloride	Size:	Medium	ĺ	Shape:	Circular



Crew:		Paul Murphy									
Survey Cu	ıstomer:	Paul Keogh Ar	chitects								
Job Ref:		-		Survey D	ate:	31/10/2018	3				
Survey Address: Corio		Coric House									
Start:		AJ1		Finish:							
Depth at S	Start Node:	580		Depth at	Finish No	ode:	N/A				
Direction:		Upstream		Height:		100	100				
Length Su	ırveyed:										
Material:	Polyvin	yl chloride		Size:		Medium Shape:			Circula	r	
		<u> </u>						_			
	Code and De	scription	Grade	Joint	Cont.		VAL	.UE		Clock	
		-		1	Defect	mm			%	At/From	То
Position	Code	Description				SML	1st	2nd			<u> </u>
0m	MH	Start node type,	-				-	1		+	
		manhole,									
		reference				1					
		number									
0m	WL	Water level%							0		
		height/diameter									
0.23m	В	Broken pipe at	2							12	12
		(OR from to									
) o'clock							•		
0.23m	CN	Connection					100			2	
		other than							- 1		
		junction at		1		1					
		o'clock, diameter		1						1	
		mm_				1				1	
1.18m	MHF	Finish node									
		type, manhole,				1					
		reference			l						
		number		1	1	1		1			

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:

Pipe Width:

100

Pipe Size:

Medium Circular

Pipe Shape: Pipe Material:

Polyvinyl chloride

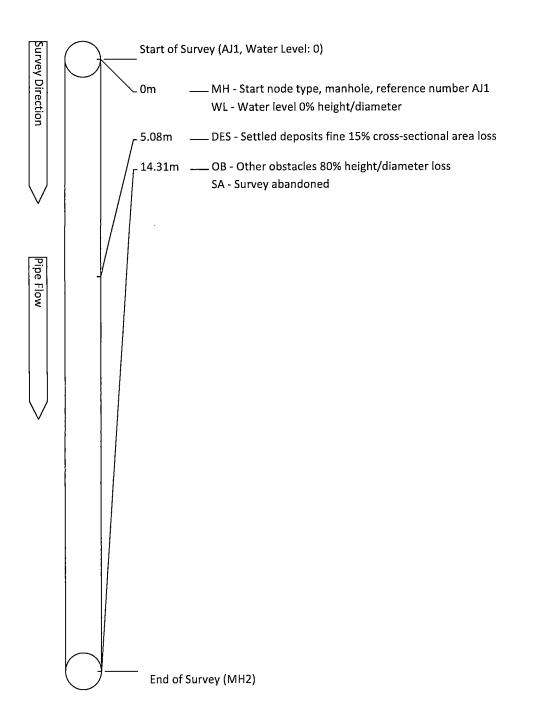
Direction:

Downstream

Crew:	Paul Murphy					
Survey Customer:	Paul Keogh Architects					
Job Ref:		Survey Date:	31/10/2018	3		
Survey Address:	vey Address: Coric House					
Start:	AJ1	Finish:		MH2		
Depth at Start Node:	580	Depth at Finish N	lode:	N/A		
Direction:	Downstream	Height:		100		
Length Surveyed:		ū				
Material: Polyvinyl	chloride	Size:	Medium		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	МН	Start node type, manhole, reference number AJ1	The state of the s	
0m	WL	Water level 0% height/diameter.		
5.08m	DES	Settled deposits fine 15% cross- sectional area loss. Debris		310ct_001.MP4_002.JPG
14.31m	ОВ	Other obstacles 80% height/diameter loss. Rubble		310ct_001.MP4_003.JPG
14.31m	SA	Survey abandoned. Camera wont pass		

Crew:		Paul Murphy					
Survey Custom	ner:	Paul Keogh Architects					
Job Ref:			Survey Date:	31/10/2018	1		
Survey Addres	s:	Coric House					
Start:		AJ1	Finish:		MH2		
Depth at Start I	Node:	580	Depth at Finish N	lode:	N/A		
Direction:		Downstream	Height:		100		
Length Survey	ed:		_				
Material:	Polyvinyl	chloride	Size:	Medium		Shape:	Circular



Crew: Survey Cu	ıstomer:	Paul Murphy Paul Keogh Ar	chitects					-		-	
Job Ref:		r dar rtoogn 7 ti	omicolo	Survey D	ate:	31/10/201	В				
Survey A	ddress:	Coric House		5 ii 10 j 5 ato.		v					
Start:		AJ1		Finish:		MH2					
Depth at 9	Start Node:	580		Depth at Finish Node:		N/A					
Direction:		Downstream		Height:		100					
Length Su	ırveyed:			Ū							
Material:	Polyvin	yl chloride		Size:		Medium Shape:			Circula	r	
Code and Description			Grade	Joint	Joint Cont.			ALUE	Clock		
					Defect		mm		%	At/From	To
Position	Code	Description	1			SML 1st		2nd	- '-	715110111	-∵
0m	МН	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	ОВ	Other obstacles% height/diameter loss							80		
14.31m	SA	Survey abandoned									

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

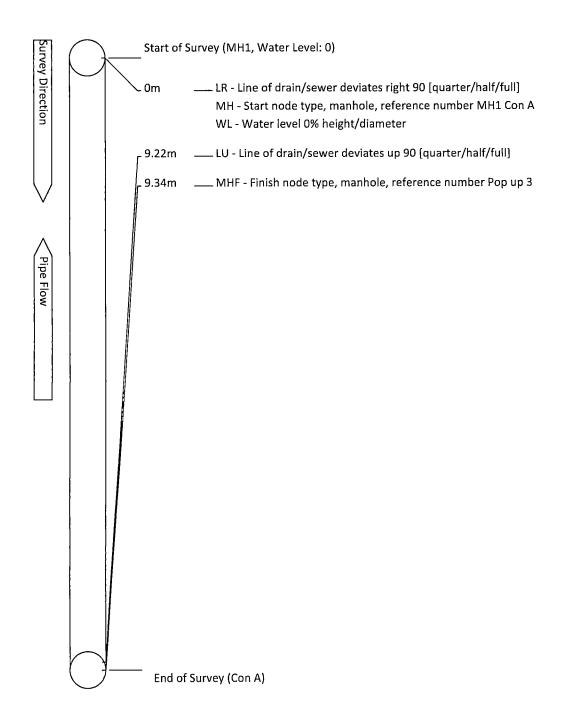
Direction:

Upstream

Crew:		Paul Murphy					
Survey Custo	mer:	Paul Keogh Architects					
Job Ref:			Survey Date:	01/11/2018	3		
Survey Addre	ess:	Coric House	_				
Start:		MH1	Finish:		Con /	۹	
Depth at Star	t Node:	400	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Surve	yed:	-	-				
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	МН	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		

Crew:		Paul Murphy					
Survey Custo	mer:	Paul Keogh Architects					
Job Ref:			Survey Date:	01/11/2018	3		
Survey Addre	ss:	Coric House					
Start:		MH1	Finish:		Con A		
Depth at Start	Node:	400	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Surve	yed:	·	_				
Material:	Polyvinyl	chloride	Size:	Medium	Sh	ape:	Circular



Crew:		Paul Murphy										
Survey Cu	istomer:	Paul Keogh Are	chitects									
Job Ref:				Survey D	ate:	01/11/2018	3					
Survey Ac	ldress:	Coric House										
Start:		MH1		Finish:		Con A	4					
	Start Node:	400		Depth at Finish Node:		ode:	N/A					
Direction:		Upstream		Height:			100					
Length Surveyed:												
Material:	Polyvin	yl chloride		Size:		Medium Shape:			Circula	Circular		
	Code and De	scription	Grade	Joint	Cont.	VALUE				Clock		
				1	Defect	mm			%	At/From	To	
Position	Code	Description		<u></u>		SML 1st 2nd						
0m	LR	Line of										
		drain/sewer		ļ				ļ				
		deviates right		1				1				
		[quarter/half/full]										
0m	MH	Start node type,		1.								
		manhole,		'					-			
		reference			ł							
		number										
0m	WL	Water level%					ŀ		0			
		height/diameter						l				
9.22m	LU	Line of				}	1					
		drain/sewer				1	1					
		deviates up						-			1	
		[quarter/half/full]		<u> </u>							<u> </u>	
9.34m	MHF	Finish node		-				ļ.				
		type, manhole,										
		reference										
		number			1				i		1	

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 Circular

Pipe Shape: Pipe Material:

Polyvinyl chloride

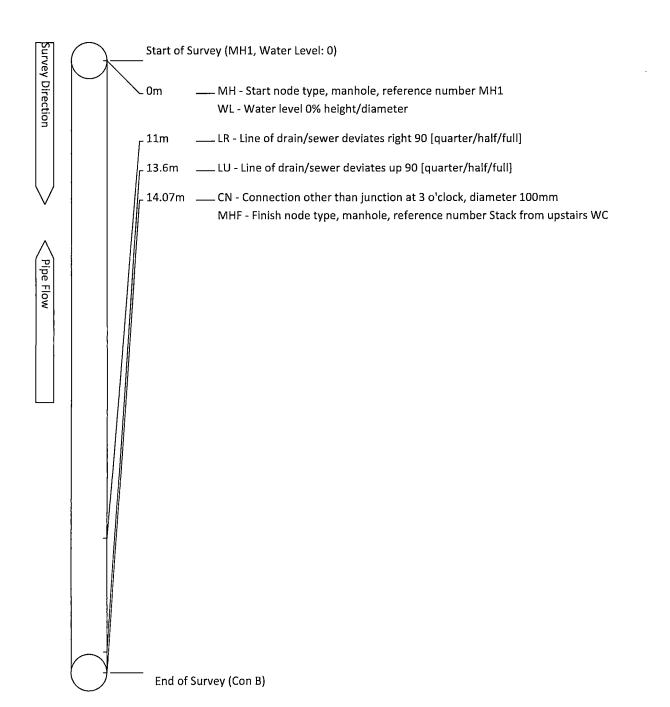
Direction:

Upstream

Crew:		Paul Murphy			_		
Survey Custon	ner:	Paul Keogh Architects					
Job Ref:		-	Survey Date:	01/11/2018	3		
Survey Addres	s:	Coric House	-				
Start:		MH1	Finish:		Con E	3	
Depth at Start	Node:	410	Depth at Finish !	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Survey	ed:		_				
Material:	Polyvinyl ch	nloride	Size:	Medium	I	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		

Crew: Survey Customer:	Paul Murphy Paul Keogh Architects			•	
Job Ref:	r dar reogni ra omtoote	Survey Date:	01/11/2018	В	
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 o	chloride	Size:	Medium	Shap	pe: Circular



Crew:		Paul Murphy									
Survey Cu	ıstomer:	Paul Keogh Ar	chitects								
Job Ref:				Survey D	ate:	01/11/201	8				
Survey Ac	ldress:	Coric House									
Start:		MH1	Finish:				Con B			-	
	Start Node:	410		Depth at	Finish No	ode:	N/A				
Direction:		Upstream		Height:			100				
Length Surveyed:											
Material:	Polyvir	ıyl chloride		Size:		Medium	Si	nape:	Circula	ar	
			·								
	Code and De	scription	Grade		Joint Cont.		VA	LUE		Clock	
					Defect		mm		%	At/From	To
Position	Code	Description				SML	1st	2nd			
0m	MH	Start node type,									
		manhole,						1			
		reference						1			
		number									
0m	WL	Water level%							0		
		height/diameter									
11m	LR	Line of									
		drain/sewer				1					
	1	deviates right									
		[quarter/half/full]			_						
13.6m	LU	Line of									
		drain/sewer									
		deviates up									,
		[quarter/half/full]		1							
14.07m	CN	Connection					100			3	
		other than	i	i		1				1	
		junction at		1							
		o'clock, diameter				1	1				
		mm									
14.07m	MHF	Finish node									
		type, manhole,									
		reference								1	i
		number	l				1	1		1	1

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 Circular

Pipe Shape: Pipe Material:

Polyvinyl chloride

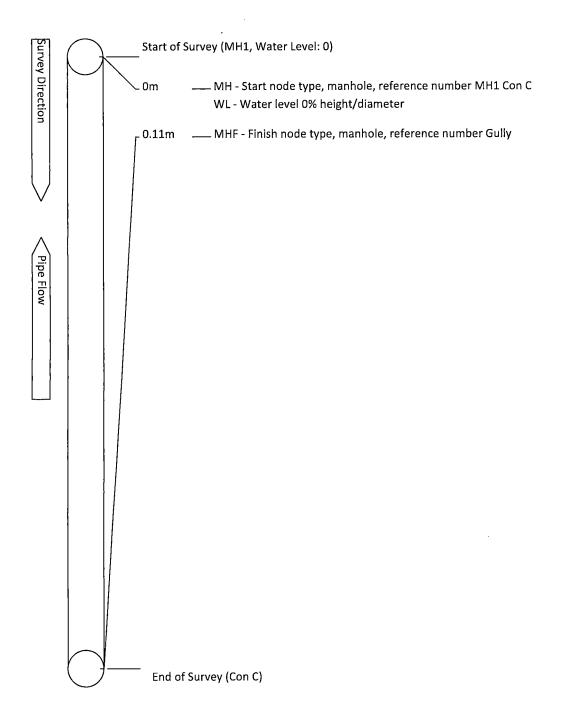
Direction:

Upstream

Crew:		Paul Murphy					
Survey Custor	ner:	Paul Keogh Architects					
Job Ref:		_	Survey Date:	01/11/2018	8		
Survey Addres	ss:	Coric House	•				
Start:		MH1	Finish:		Con (2	
Depth at Start	Node:	200	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Survey	red:	·	-				
Material:	Polyvinyl c	hloride	Size:	Medium		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo	
0m	МН	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			

Crew:	_	Paul Murphy					_
Survey Custor	ner:	Paul Keogh Architects					
Job Ref:			Survey Date:	01/11/2018	В		
Survey Addres	ss:	Coric House		_			
Start:		MH1	Finish:		Con C		
Depth at Start	Node:	200	Depth at Finish	Node:	N/A		
Direction:		Upstream	Height:		100		
Length Survey	/ed:	•					
Material:	Polyvinyl c	hloride	Size:	Medium	SI	nape:	Circular



Crew:		Paul Murphy									
Survey Cu	istomer;	Paul Keogh Ar	chitects				_				
Job Ref:				Survey D	ate:	01/11/201	8				
Survey Ac	idress:	Coric House									
Start:				Finish:			Con C	;			
Depth at Start Node: 200			Depth at	Finish No	ode:	N/A					
Direction:		Upstream		Height:			100				
Length Su	rveyed:	•		-							
Material:	Material: Polyvinyl chloride			Size:		Medium	S	hape:	Circula	ır	
	Code and Description		Grade		Cont.	VALUE				Clock	
					Defect		mm		%	At/From	To
Position	Code	Description	1			SML	1st	2nd			
0m	MH	Start node type,									\Box
		manhole,				1		- 1			
		reference				1		- 1			
		number			1	1		- 1			
0m	WL	Water level%							0		
		height/diameter		ľ		1		- 1			
0.11m MHF		Finish node								†-·	\Box
		type, manhole,		1		1					
		reference				1	1	1			
		number			1		1		- 1	1	ı

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

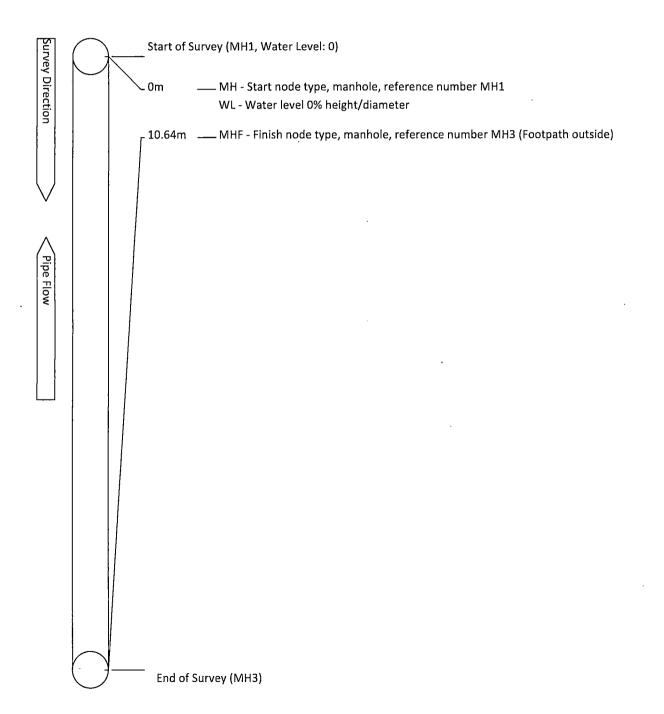
Pipe Material: Direction:

Polyvinyl chloride Upstream

Crew:	-	Paul Murphy				-
Survey Custo	omer:	Paul Keogh Architects				
Job Ref:			Survey Date:	01/11/2018	3	
Survey Addr	ess:	Coric House	_			
Start:		MH1	Finish:		MH3	
Depth at Star	rt Node:	420	Depth at Finish N	lode:	Unable to open.	
Direction:		Upstream	Height:		100	
Length Surve	eyed:	•				
Material:	Polyvinyl	chloride	Size:	Medium	Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	МН	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)		

Crew:		Paul Murphy				
Survey Custo	mer:	Paul Keogh Architects				
Job Ref:			Survey Date:	01/11/2018	3	
Survey Addre	ss:	Coric House	•			
Start:		MH1	Finish:		MH3	
Depth at Start	Node:	420	Depth at Finish	Node:	Unable to open.	
Direction:		Upstream	Height:		100	
Length Surve	yed:	·	-			
Material:	Polyvinyl	chloride	Size:	Medium	Shape:	Circular



Crew:		Paul Murphy								•		
Survey Cu	ıstomer:	Paul Keogh Ar	chitects									
Job Ref:				Survey D	ate:	01/11/201	8					
Survey Ac	ldress:	Coric House										
Start:	Start: MH1		Finish:		-	МНЗ						
Depth at S	tart Node:	420		Depth at	Finish No	ode:	Unab	le to open.				
Direction:		Upstream	Height:			100	-					
Length Su	rveyed:											
Material:	Material: Polyvinyl chloride			Size:		Medium		Shape:	Circula	Circular		
_	Code and Description G		Grade	Joint	Cont.		V	ALUE		Clock		
					Defect		mm		%	At/From	To	
Position	Code	Description	l			SML	1st	2nd				
0m	MH	Start node type,										
		manhole,			ļ	ļ					ļ	
		reference		ł		F					ł	
		number										
0m	WL	Water level%							0		l	
		height/diameter										
10.64m	10.64m MHF Finish node											
		type, manhole,						1				
		reference						1				
		number	1		1	1		1	ı			

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:

Medium

Pipe Size: Pipe Shape:

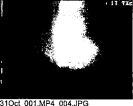
Circular Polyvinyl chloride

Pipe Material: Direction:

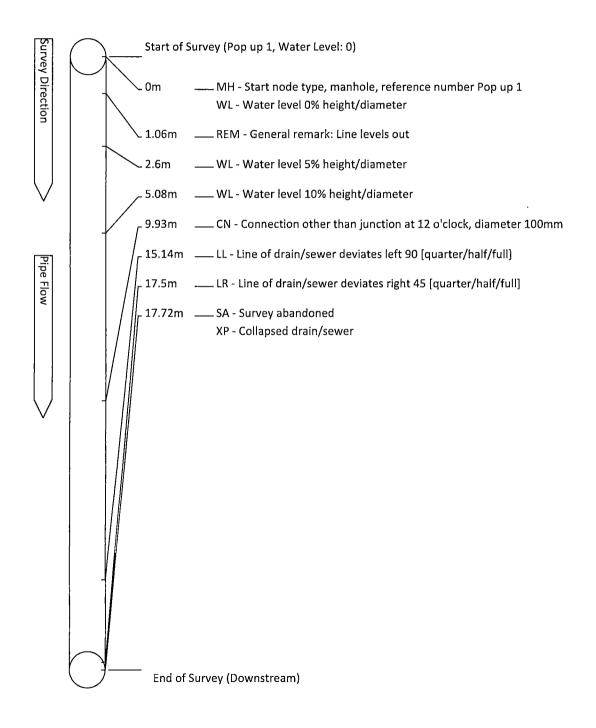
Downstream

Crew:		Paul Murphy				
Survey Custo	omer:	Paul Keogh Architects				
Job Ref:		_	Survey Date:	31/10/2018	3	
Survey Addr	ess:	Coric House	•			
Start:		Pop up 1	Finish:		Downstream	
Depth at Star	t Node:	Above ground	Depth at Finish	Node:	N/A	
Direction:		Downstream	Height:		100	
Length Surve	eyed:		_			
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.		310ct_001.MP4_002.JPG
5.08m	WL	Water level 10% height/diameter.		310ct_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	11 725



Crew:		Paul Murphy	•				
Survey Custo	mer:	Paul Keogh Architects					
Job Ref:			Survey Date:	31/10/2018	3		
Survey Addre	ss:	Coric House					
Start:		Pop up 1	Finish:		Down	stream	
Depth at Start	Node:	Above ground	Depth at Finish N	lode:	N/A		
Direction:		Downstream	Height:		100		
Length Survey	yed:		_				
Material:	Polyvinyl o	chloride	Size:	Medium		Shape:	Circular



Survey Customer: Paul Keogh Architects Survey Date: 31/10/2018 Survey Address: Coric House Survey Address: Pop up 1 Above ground Depth at Start Node: N/A Height: 100	ew:		Paul Murphy									
Survey Address: Coric House Start: Pop up 1 Above ground Direction: Downstream Depth at Finish: Downstream N/A 100 Downstream Downstream Downstream Depth at Finish Note: N/A 100 Downstream Downstream Downstream N/A 100 Height: 100 Height: 100		stomer:	Paul Keogh Ard	chitects				_				
Start: Pop up 1 Above ground Depth at Start Node: Above ground Direction: Depth at Start Node: Above ground Downstream Depth at Start Node: N/A 100					Survey D	ate:	31/10/201	8				
Depth at Start Node: Above ground Depth at Finish Node: N/A 100		iress:										
Direction:		and Nanda.				Finiah Na			tream			
Length Surveyed: Material: Polyvinyl chloride Size: Medium Shape: Circular		art Nobe:				rmish No	ode:					
Naterial: Polyvinyl chloride Size: Medium Shape: Circular		wowed:	Downstream		neight.			100				
Code and Description		Polyvin	vl chloride		Size: Medium			SI	nane'	Circula	ır	
Defect	ttorium	1 019 4111	yr ornoride_		OILC.	I	WICCIGITI	, 01	iape.	Ollouie	••	
Defect		ode and De	scription	Grade	Joint	Cont		VΔ	UE		Clock	
Position Code Description SML 1st 2nd			O. uuo	"					%		To	
0m MH Start node type, manhole, reference number 0 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, diametermm 100 12 15.14m LL Line of drain/sewer deviates left [quarter/halffull] [quarter/halffull] 17.5m LR Line of drain/sewer deviates right [quarter/halffull] 17.72m SA Survey shandoned SA Survey shandoned 3 SA Survey shandoned 3 SA Survey shandoned 3 SA SA Survey shandoned 3 SA SA <th>sition</th> <th>Code</th> <th>Description</th> <th></th> <th></th> <th></th> <th>SML</th> <th></th> <th>2nd</th> <th></th> <th>110111011</th> <th> </th>	sition	Code	Description				SML		2nd		110111011	
manhole, reference number								† · · · · ·				$\overline{}$
Number Num	1					1			ì			
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, diametermm 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	i				ļ				ļ			
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, diametermm 100 12 15.14m LL Line of drain/sewer deviates left [quarter/half/full] [quarter/half/full] 17.5m LR Line of drain/sewer deviates right [quarter/half/full] 17.72m SA Survey abandoned 3 Survey abandoned 3			number	_					ļ			
1.06m	0m	WL	Water level%	-						0	Ţ	
2.6m WL Water level% height/diameter 5.08m WL Water level% height/diameter 9.93m CN Connection other than junction at o'clock, diametermm 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												
height/diameter	.06m	REM	General remark:						1			
height/diameter	2.6m	WL	Water level%				 	╁	+	5		t
5.08m WL Water level% height/diameter			height/diameter			1				_		
9.93m CN Connection other than junction at o'clock, diametermm 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	.08m	WL	Water level%				1		1 -	10	1	
Other than junction at O'clock, diameter mm	ł		height/diameter			Į.						
junction at o'clock, diametermm	.93m	CN	Connection			T		100			12	
O'clock, diameter	ľ		other than									
mm	1					İ						
15.14m			o'clock, diameter						Ī			
drain/sewer deviates left [quarter/half/full]					<u> </u>	L						L
deviates left [quarter/half/full]	5.14m	LL					ŀ					
[quarter/half/fuli]						ļ						
17.5m LR Line of drain/sewer deviates right [quarter/half/full] 17.72m SA Survey abandoned						1	!				Į	
drain/sewer deviates right [quarter/half/full] 17.72m SA Survey abandoned					 		ļ				_	<u> </u>
deviates right [quarter/half/full] 17.72m SA Survey abandoned	7.5m	LR					•					
[quarter/half/full] 17.72m SA Survey abandoned							1					
17.72m SA Survey abandoned	l											
abandoned	7 72m				+	 	 	+			 -	\vdash
	1.12111	SA					1					
	7 72m	ΧP	Collapsed	5	+		 -		1		 	┼
drain/sewer	2111	ΛF		J								

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 Circular

Pipe Shape:

Polyvinyl chloride

Pipe Material: Direction:

Downstream

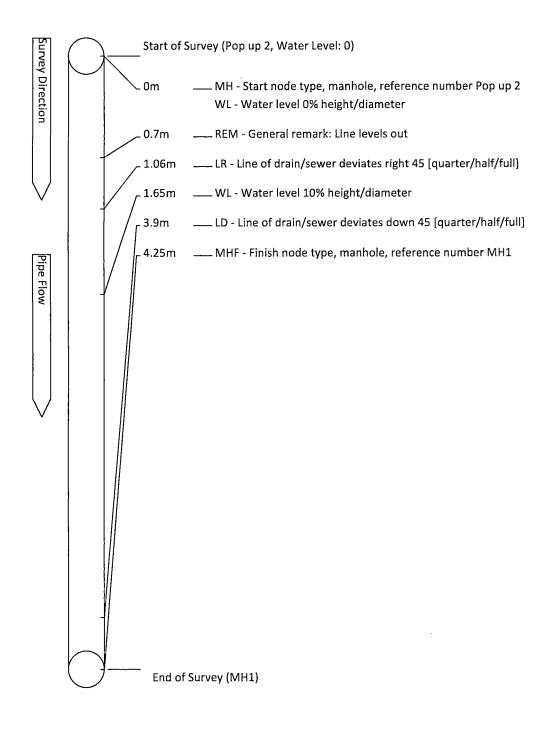
Observations

Crew:		Paul Murphy		_			
Survey Custor	mer:	Paul Keogh Architects					
Job Ref:			Survey Date:	31/10/2018			
Survey Addres	ss:	Coric House	-				
Start:	•	Pop up 2	Finish:		MH1		
Depth at Start	Node:	Above ground	Depth at Finish N	ode:	N/A		
Direction:		Downstream	Height:		100		
Length Survey	yed:						
Material:	Polyvinyl o	hloride	Size:	Medium		Shape:	Circular

Position	Code	Description/Remarks	Grade	Photo
0m	MH	Start node type, manhole, reference number Pop up 2		The reflection of the state of
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.		31Oct_001.MP4_002.JPG
3.9m	LD	Line of drain/sewer deviates down 45 [quarter/half/full]		
4.25m	MHF	Finish node type, manhole, reference number MH1		

Pipe Graphic

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



Observation Table

Crew:		Paul Murphy									
Survey Co	ustomer:	Paul Keogh Ard	chitects								
Job Ref:		•		Survey D	Date:	31/10/2018	В				
Survey A	ddress:	Coric House									
Start: Pop up 2				Finish:		-	MH1				
	Start Node:	Above ground	ground Dept		Depth at Finish Node: N						
Direction:		Downstream		Height:			100				
Length Su	ırveyed:										
Material:	Polyvin	yl chloride		Size:		Medium	S	hape:	Circula	r	
	<u> </u>			1						T	
Code and Description		Grade	Joint	I			VALUE		Clock		
–					Defect		mm			At/From	То
Position	Code	Description			ļ	SML	1st	2nd			
0m	MH	Start node type,									
		manhole,			ļ						
	ĺ	reference					ł				
		number								<u> </u>	<u> </u>
0m	WL	Water level%				1	1		0		
		height/diameter					<u> </u>				
0.7m	REM	General remark:									
1.06m	LR	Line of				<u> </u>		-		-	
	}	drain/sewer								1	
	1	deviates right			!						
		[quarter/half/full]									
1.65m	WL	Water level%							10		
		height/diameter									
3.9m	LD	Line of		1							
	İ	drain/sewer				1		1			
		deviates down						1		1	
		[quarter/half/full]									
4.25m	MHF	Finish node									
		type, manhole,									
		reference									
	Į.	number		l		1	1		- 1	i	l

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 Custo	omer:	Paul Keogh Architects				
Job Ref:		-	Survey Date:	31/10/2018	3	
Survey Addr	ess:	Coric House	-			
Start:		Stack 2	Finish:		Downstream	
Depth at Star	rt Node:	Above ground	Depth at Finish	Node:	N/A	
Direction:		Downstream	Height:		100	
Length Surve	eyed:		_			
Material:	Polyvinyl	chloride	Size:	Medium	Shape:	Circular

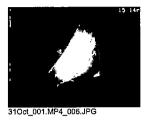
Position	Code	Description/Remarks	Grade	Photo
0m	МН	Start node type, manhole, reference number Stack 2		
0m	WL	Water level 0% height/diameter.		
0.94m	REM	General remark: Line levels out		
0.94m	WL	Water level 10% height/diameter.		310ct_001.MP4_002.JPG
1.77m	WL	Water level 20% height/diameter.		31Oct_001.MP4_003.JPG
3.54m 6.38m	CUW WL	Loss of vision, camera under water. Water level 5% height/diameter.		31Oct_001.MP4_004.JPG
12.77m	WL	Water level 10% height/diameter.		310ct_001.MP4_005.JPG
15.14m	МН	Start node type, manhole, reference number Burried AJ		

Inspection Report 01/11/2018

Drain Doctor

15.14m XP Collapsed drain/sewer. Broke in the

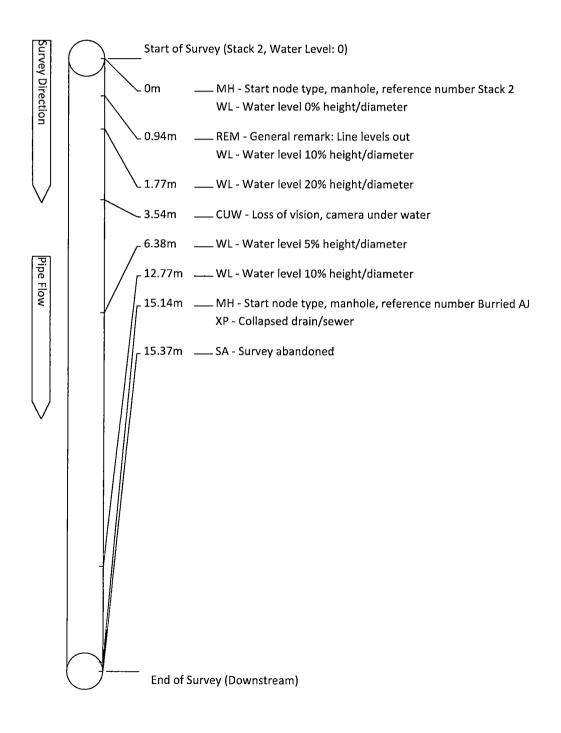
A.I



15.37m SA Survey abandoned. Burried AJ

Pipe Graphic

Crew:		Paul Murphy							
Survey Custo	omer:	Paul Keogh Architects							
Job Ref:		_	Survey Date:	31/10/2018	31/10/2018				
Survey Addr	ess:	Coric House	-						
Start:		Stack 2	Finish:		Downstream				
Depth at Star	rt Node:	Above ground	Depth at Finish	Node:	N/A				
Direction:		Downstream	Height:		100				
Length Surve	eyed:		-						
Material:	Polyvinyl	chloride	Size:	Medium	Shape:	Circular			



Observation Table

Crew: Survey Cu Job Ref:	stomer:	Paul Murphy Paul Keogh Ar	chitects	C	1-4	24/40/204	10			-	
		Coric House		Survey D	rate:	31/10/201	18				
Survey Ad Start:	aress:	Stack 2		Finish:			Down	nstream			
Depth at S	tort Mada	Above ground		Depth at	Einich M	ada.	N/A	isiream			
Direction:	tait Noue:	Downstream		Height:	LIIII211 M	Jue.	100				
Length Su	ryoyod:	Downstieath		rieight.			100				
Material:		yl chloride		Size:	Т	Medium		Shape:	Circula	. <u> </u>	
Waterial.	TOLY VILL	yr omonac		0,20.		Wicalani		эпарс.	Onoula	· .	
-	Code and Description		Grade	Joint	Cont.	VALUE				Clock	
		o i i ption	O au	"	Defect		mm		%		
Position	Code	Description	1			SML	1st	2nd	 '' 		
0m	MH	Start node type,					1			<u> </u>	
1		manhole,					1				
		reference									
		number									
0m	WL.	Water level%							0		
		height/diameter				L					
0.94m	REM	General remark:			-						
0.94m	WL.	Water level%							10		
		height/diameter				ļ <u>.</u>					
1.77m	WL	Water level%							20		
		height/diameter									
3.54m	cuw	Loss of vision,				1					
		camera under									
		water		1		-			+ -		
6.38m	WL	Water level%							5		
12.77m	WL	height/diameter Water level%							10	-	
12.77111	VVL	height/diameter	1						10		1
15.14m	MH	Start node type,				+	+				
15.14111	[IVII 1	manhole.									1
1		reference	}								
		number									
15.14m	XP	Collapsed									-
		drain/sewer					1			Í	
15.37m	SA	Survey					_				
		abandoned									

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: Pipe Material: Circular Polyvinyl chloride

Direction:

Downstream

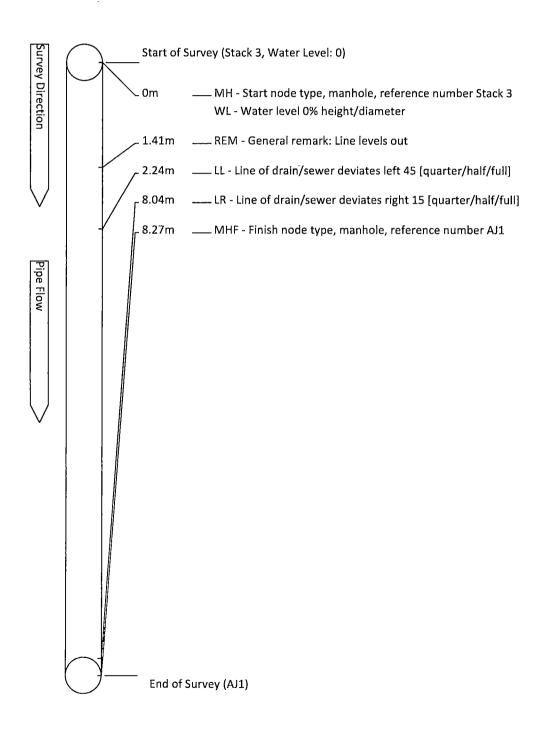
Observations

Crew:		Paul Murphy		-			
Survey Cust	omer:	Paul Keogh Architects					
Job Ref:			Survey Date:	31/10/2018	3		
Survey Addr	ress:	Coric House					
Start:		Stack 3	Finish:		AJ1		
Depth at Sta	rt Node:	Above ground	Depth at Finish N	lode:	N/A		
Direction:		Downstream	Height:		100		
Length Surv	eyed:		_				
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: Survey Custor Job Ref:	ner:	Paul Murphy Paul Keogh Architects	Survey Date:	31/10/2018	3		
Survey Addres	ss:	Coric House	-				
Start:		Stack 3	Finish:		AJ1		· · · · · · · · · · · · · · · · · · ·
Depth at Start	Node:	Above ground	Depth at Finish N	lode:	N/A		
Direction:		Downstream	Height:		100		
Length Survey	red:		=				
Material:	Polyvinyl c	hloride	Size:	Medium		Shape:	Circular



Observation Table

n To
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_

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