

Project

Project Name

LB LITTLE PADDOCKS WAY LG15 DDP

Description

Start Date

17/10/2016





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Scoring Summary

Project Name :
 LB LITTLE PADDOCKS WAY LG15 DDP

Project Number :

Date :
 17/10/2016

Structural Defects

Section	Pipe Ref	Grade	Description
2	CP01X	3	Fracture, longitudinal at 01 o'clock

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure

Service / Operational Defects

Section	Pipe Ref	Grade	Description
1	CP02X	4	Settled deposits, fine, 20% cross-sectional area loss, Finish
2	CP01X	4	Multiple defects
3	CP03X	4	Settled deposits, fine, 30% cross-sectional area loss
3	CP03X	5	Other obstacles, other from 12 o'clock to 12 o'clock, 100% cross-sectional area loss

Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Abandoned Surveys

Section	Pipe Ref	Description
1	CP02X	Survey abandoned
2	CP01X	Survey abandoned
2	CP01X	Survey abandoned
3	CP03X	Survey abandoned
3	CP03X	Survey abandoned

Information

These summaries are based on the SRM grading from the WRC.

**Project Information**

Project Name LB LITTLE PADDOCKS WAY LG15 DDP	Client's ref :	Contractor's ref : CCPR2000	Date: 17/10/2016
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Description

Client

Company: LANDBUILD LTD
Contact:
Department:
Street: 17 LONDON RD
City: PULBOROUGH
Phone:
Fax:
Mobile:
E-Mail:

Site

Company: LANDBUILD
Contact: AL PURVIS
Department:
Street: LITTLE PADDOCKS
City: FERRING
Phone:
Fax:
Mobile:
E-Mail:

Contractor

Company: F M Conway Ltd
Contact: Paul Swire
Department: Cleansing Division
Street: Conway house, Vestry Road
City: Sevenoaks TN14 5EL
Phone: 01732 600 700
Fax:
Mobile: 07919 493094
E-Mail: paul.swire@fmconway.co.uk



Project Information

Project Name LB LITTLE PADDOCKS WAY LG15 DDP	Client's ref :	Contractor's ref : CCPR2000	Date: 17/10/2016
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Description

Memo

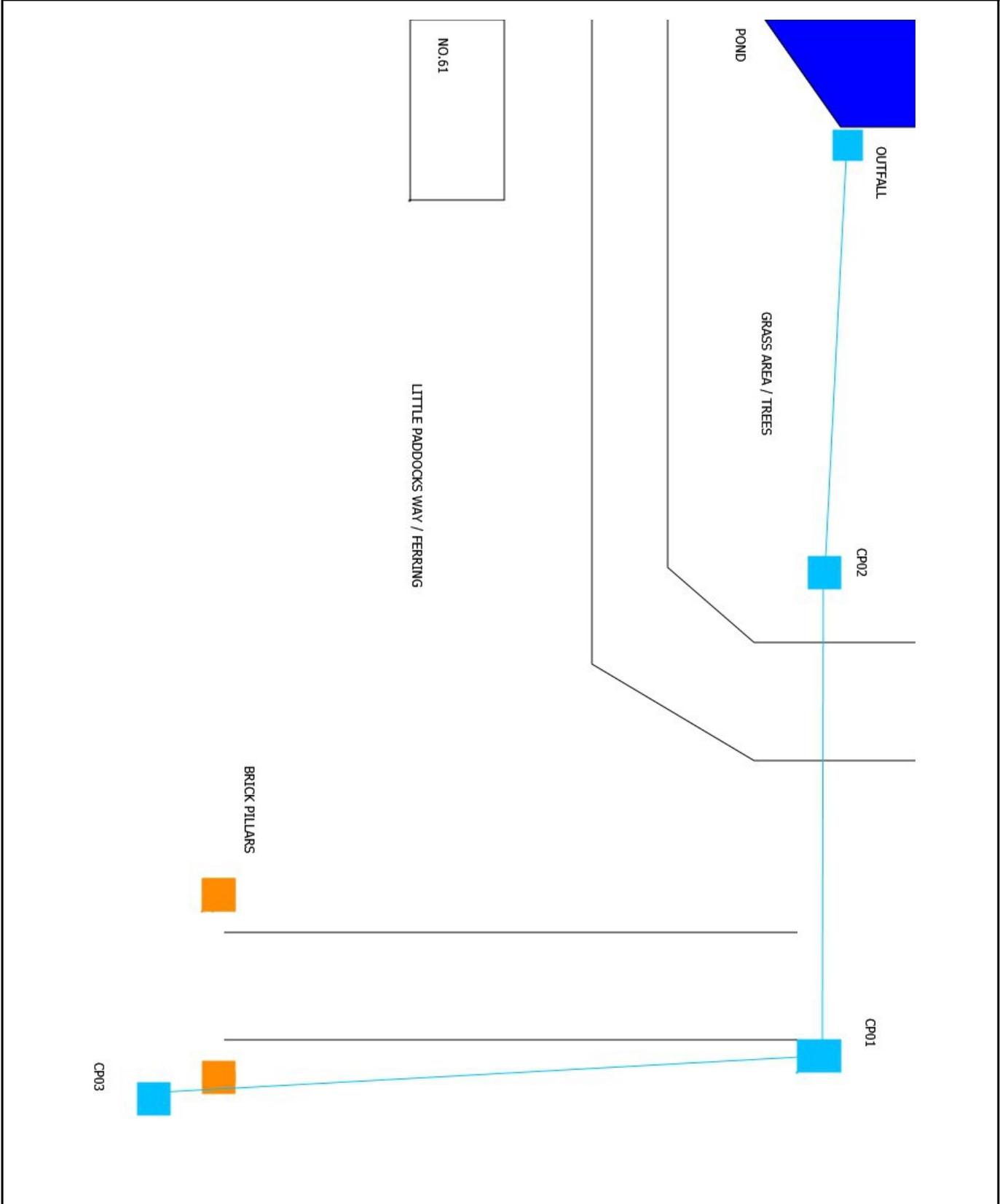
Engineers Report

Unable to complete the full survey due to lines requiring heavy cleaning, there is a heavy build up of silt in the lines. Also the lines may need root cutting due to the trees around the area of CP02 and outfall. Access to the site will tight for a combo lorry, This will completely close the road so the residents will need to be informed of times if the cleaning is to go ahead. Access to CP01 outside Oak Lodge has Two brick pillars which are 2.70mtrs wide.

Project Information

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Description



Project Pictures

Project Name
LB LITTLE PADDOCKS WAY LG15 DDP

17/10/2016



ACCESS TO CP01 2.70MTRS WIDE



CP01 CHAMBER



CP01 COVER OUTSIDE OAK LODGE



CP01



CP02 CHAMBER



CP02 CONCRETE SLABS

Project Pictures

Project Name
LB LITTLE PADDOCKS WAY LG15 DDP

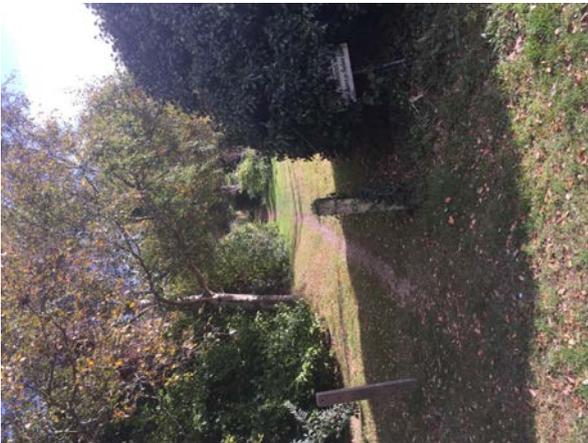
17/10/2016



CP03



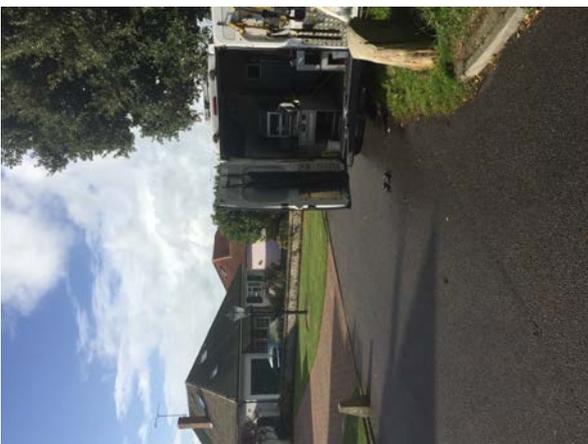
FILTER HOLES FOR OUTFALL CHAMBER



FOOTPATH TO CP01



IMG_2325



IMG_2326



IMG_2327

Project Pictures

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IMG_2330



IMG_2331



IMG_2331



IMG_2337



OUTFALL CHAMBER THROUGH TREES



OUTFALL CHAMBER

Project Pictures

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POND



TOP OF OUTFALL CHAMBER



F M Conway Ltd

Conway house, Vestry Road, Sevenoaks TN14 5EL

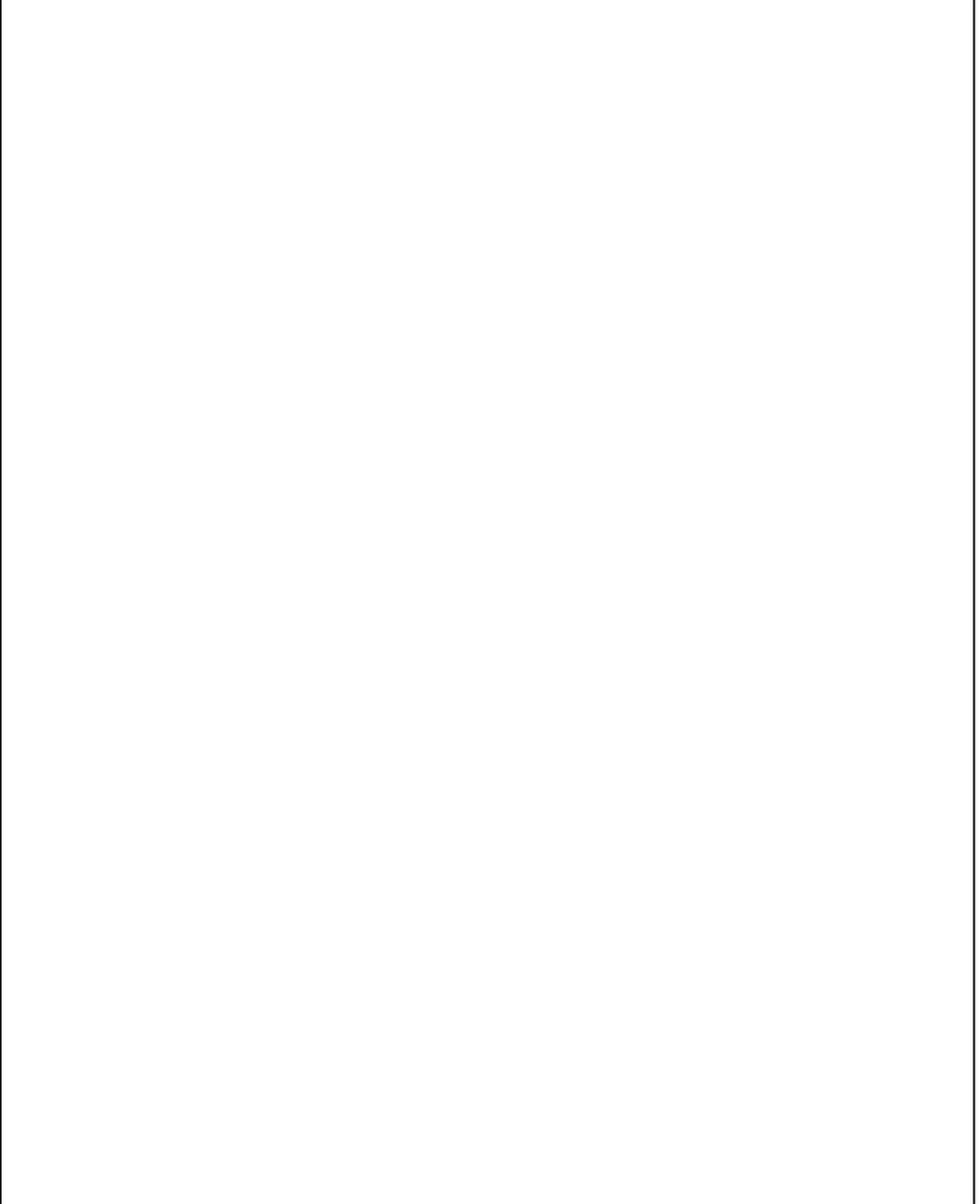
Tel. 01732 600 700

paul.swire@fmconway.co.uk

Section Profile

Project Name LB LITTLE PADDOCKS WAY LG15 DDP	Project Number:	Date: 17/10/2016
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Total: 0 = 0.00 Expected length (0.00 Inspected length)



Section Summary

Project Name LB LITTLE PADDOCKS WAY LG15 DDP	Project Number:	Date: 18/1/-4713
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Number of sections	3
Total length of sewer network	164.01 m
Inspected length of sewer network	7.12 m
Not inspected length of sewer network	156.89 m
Total abandoned inspections	5
Number of section inspection photos	5
Number of section inspection videos	5
Number of section inspection scans	0
Number of section inclination measurements	0

Inspection Report

Section Number : 1	Date : 17/10/2016	Client's Ref :	Weather : No rain or snow	Critical Drain/Sewer: Z	PLR : CP02X
Operator : D.Pinder	Vehicle : LG15 BYD	Camera : PAN & TILT	Preset : 0.50	Cleaned : no	Type of Drain : Gravity drain/sewer

Place: FERRING	Direction: CP02 → OUTFALL	US MH: CP02
Road: LITTLE PADDOCKS WAY	Catchment: Z	US Depth: 1.55
Location: Other pedestrian area	Total Length: 1.01	DS MH: OUTFALL
Surface Cover:	Pipe Length: 1.00	DS Depth: 0.00

Use: Surface water	Pipe Shape: Circular
Year Laid: 1900	Width / Height: 225 / 0
Purpose: Sample survey to determine asset condition	Flow Control: No flow control
Lining:	Pipe Material: Vitrified clay pipe

Comment:
 Recommendation: **REQUIRES CLEANING**

1:50	Position m	Code	Observation	MPEG	Photo	Grade																																			
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Depth: 1.55</p> <p>CP02</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0.00</td> <td style="width: 10%;">CP</td> <td style="width: 5%;">CP</td> <td style="width: 45%;">Start node type, catchpit, reference number: CP02</td> <td style="width: 10%;">00:00:00</td> <td style="width: 10%;"></td> <td style="width: 10%;">0</td> </tr> <tr> <td>0.00</td> <td>WL</td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td>00:00:00</td> <td></td> <td>0</td> </tr> <tr> <td>0.50</td> <td>S01</td> <td>DES</td> <td>Settled deposits, fine, 20% cross-sectional area loss, Start</td> <td>00:00:06</td> <td></td> <td>0</td> </tr> <tr> <td>1.01</td> <td>F01</td> <td>DES</td> <td>Settled deposits, fine, 20% cross-sectional area loss, Finish</td> <td>00:00:53</td> <td></td> <td>4</td> </tr> <tr> <td>1.01</td> <td></td> <td>SA</td> <td>Survey abandoned / SILT</td> <td>00:00:57</td> <td></td> <td>0</td> </tr> </table> </div>							0.00	CP	CP	Start node type, catchpit, reference number: CP02	00:00:00		0	0.00	WL	WL	Water level, 0% of the vertical dimension	00:00:00		0	0.50	S01	DES	Settled deposits, fine, 20% cross-sectional area loss, Start	00:00:06		0	1.01	F01	DES	Settled deposits, fine, 20% cross-sectional area loss, Finish	00:00:53		4	1.01		SA	Survey abandoned / SILT	00:00:57		0
0.00	CP	CP	Start node type, catchpit, reference number: CP02	00:00:00		0																																			
0.00	WL	WL	Water level, 0% of the vertical dimension	00:00:00		0																																			
0.50	S01	DES	Settled deposits, fine, 20% cross-sectional area loss, Start	00:00:06		0																																			
1.01	F01	DES	Settled deposits, fine, 20% cross-sectional area loss, Finish	00:00:53		4																																			
1.01		SA	Survey abandoned / SILT	00:00:57		0																																			

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	1	5.0	5.0	5.0	4.0

Section Pictures - 17/10/2016 - CP02X

Section Number : 1	Survey Direction : CP02 → OUTFALL	PLR : CP02X	Client's Ref :	Contractor's Ref : CCPR2000
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CP02X_0d71d605-ea92-44b4-82a8-0491365f6f5e_20161017_103648_700.jpg, 00:00:53,
1.01m
Settled deposits, fine, 20% cross-sectional area loss, Finish

Inspection Report

Section Number : 2	Date : 17/10/2016	Client's Ref :	Weather : No rain or snow	Critical Drain/Sewer: Z	PLR : CP01X
Operator : D.Pinder	Vehicle : LG15 BYD	Camera : PAN & TILT	Preset : 0.50	Cleaned : no	Type of Drain : Gravity drain/sewer

Place: FERRING	Direction: CP02 ← CP01	US MH: CP01
Road: LITTLE PADDOCKS WAY	Catchment: Z	US Depth: 1.30
Location: Other pedestrian area	Total Length: 68.00	DS MH: CP02
Surface Cover:	Pipe Length: 1.00	DS Depth: 1.50

Use: Surface water	Pipe Shape: Square
Year Laid: 1900	Width / Height: 225 / 225
Purpose: Sample survey to determine asset condition	Flow Control: No flow control
Lining:	Pipe Material: Concrete segments

Comment:
 Recommendation:

1:574	Position m	Code	Observation	MPEG	Photo	Grade
Depth: 1.50						
CP02						
	0.00	CP	Start node type, catchpit, reference number: CP02	00:00:00		0
	0.00	WL	Water level, 0% of the vertical dimension	00:00:00		0
	0.50	S01	DES Settled deposits, fine, 20% cross-sectional area loss, Start	00:00:10		0
	1.29	F01	DES Settled deposits, fine, 20% cross-sectional area loss, Finish	00:00:30		4
	1.29	DES	DES Settled deposits, fine, 60% cross-sectional area loss	00:00:33		4
	1.30	SA	Survey abandoned / SILT	00:00:38		0
	68.00		End of pipe			0
CP01						
Depth: 1.30						

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	2	8.0	10.0	13.0	4.0

Inspection Report

Section Number : 2	Date : 17/10/2016	Client's Ref :	Weather : No rain or snow	Critical Drain/Sewer: Z	PLR : CP01X
Operator : D.Pinder	Vehicle : LG15 BYD	Camera : PAN & TILT	Preset : 0.50	Cleaned : no	Type of Drain : Gravity drain/sewer

Place: FERRING	Direction: CP01 → CP02	US MH: CP01
Road: LITTLE PADDOCKS WAY	Catchment: Z	US Depth: 1.30
Location: Other pedestrian area	Total Length: 68.00	DS MH: CP02
Surface Cover:	Pipe Length: 1.00	DS Depth: 1.50

Use: Surface water	Pipe Shape: Square
Year Laid: 1900	Width / Height: 225 / 225
Purpose: Sample survey to determine asset condition	Flow Control: No flow control
Lining:	Pipe Material: Concrete segments

Comment:
 Recommendation: **REQUIRES CLEANING**

1:574	Position m	Code	Observation	MPEG	Photo	Grade
Depth: 1.30						
	CP01					
	-2.21	CP	Start node type, catchpit, reference number: CP01	00:00:00		0
	-2.21	WL	Water level, 0% of the vertical dimension	00:00:00		0
	0.50	S01	DES Settled deposits, fine, 15% cross-sectional area loss, Start	00:00:09		0
	3.76	F01	DES Settled deposits, fine, 15% cross-sectional area loss, Finish	00:00:55		3
	3.76	DER	Settled deposits, coarse, 20% cross-sectional area loss	00:00:56		4
	4.31	FL	Fracture, longitudinal at 01 o'clock	00:01:07		3
	4.31	SA	Survey abandoned / DEBRIS	00:01:17		0
	68.00		End of pipe			0
	CP02					
	Depth: 1.50					

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	40.0	0.6	0.6	3.0	2	5.0	0.1	7.0	4.0

Section Pictures - 17/10/2016 - CP01X

Section Number : 2	Survey Direction : CP01 → CP02	PLR : CP01X	Client's Ref :	Contractor's Ref : CCPR2000
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CP01X_25d24d22-e1f7-4d31-b483-7d06f462cdca_20161017_114233_007.jpg, 00:00:56,
 3.76m
 Settled deposits, coarse, 20% cross-sectional area loss



CP01X_44847968-2ad8-411f-bb9f-13bfcc569dfd_20161017_114258_902.jpg, 00:01:07,
 4.31m
 Fracture, longitudinal at 01 o'clock

Inspection Report

Section Number : 3	Date : 17/10/2016	Client's Ref :	Weather : No rain or snow	Critical Drain/Sewer: Z	PLR : CP03X
Operator : D.Pinder	Vehicle : LG15 BYD	Camera : PAN & TILT	Preset : 0.50	Cleaned : no	Type of Drain : Gravity drain/sewer

Place: FERRING	Direction: CP02 ← CP03	US MH: CP03
Road: LITTLE PADDOCKS WAY	Catchment: Z	US Depth: 1.50
Location: Other pedestrian area	Total Length: 95.00	DS MH: CP02
Surface Cover:	Pipe Length: 1.00	DS Depth: 1.30

Use: Surface water	Pipe Shape: Egg shaped
Year Laid: 1900	Width / Height: 300 / 225
Purpose: Sample survey to determine asset condition	Flow Control: No flow control
Lining:	Pipe Material: Vitrified clay pipe

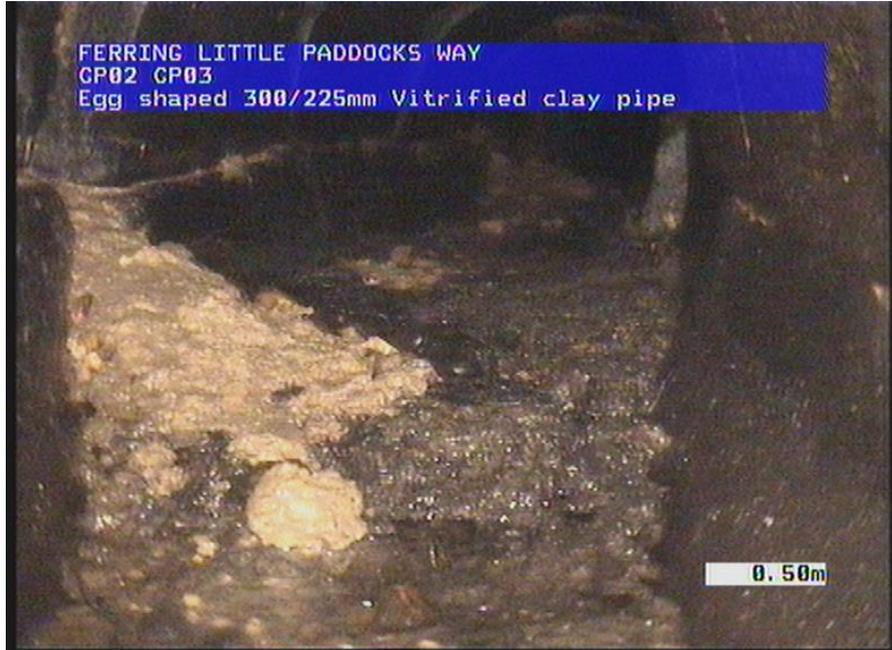
Comment:
 Recommendation: **REQUIRES CLEANING**

1:802	Position m	Code	Observation	MPEG	Photo	Grade
Depth: 1.30						
CP02						
	0.00	CP	Start node type, catchpit, reference number: CP02	00:00:00		0
	0.00	WL	Water level, 0% of the vertical dimension	00:00:00		0
	0.50	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:07		4
	0.50	SA	Survey abandoned / DEBRIS SILT	00:00:16		0
	95.00		End of pipe			0
CP03						
Depth: 1.50						

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	1	5.0	10.0	5.0	4.0

Section Pictures - 17/10/2016 - CP03X

Section Number : 3	Survey Direction : CP02 ← CP03	PLR : CP03X	Client's Ref :	Contractor's Ref : CCPR2000
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CP03X_f6453f28-60fd-4640-8a96-e31e7be0577e_20161017_113346_084.jpg, 00:00:07,
0.50m
Settled deposits, fine, 30% cross-sectional area loss

Inspection Report

Section Number : 3	Date : 17/10/2016	Client's Ref :	Weather : No rain or snow	Critical Drain/Sewer: Z	PLR : CP03X
Operator : D.Pinder	Vehicle : LG15 BYD	Camera : PAN & TILT	Preset : 0.50	Cleaned : no	Type of Drain : Gravity drain/sewer

Place: FERRING	Direction: CP03 → CP02	US MH: CP03
Road: LITTLE PADDOCKS WAY	Catchment: Z	US Depth: 1.50
Location: Other pedestrian area	Total Length: 95.00	DS MH: CP02
Surface Cover:	Pipe Length: 1.00	DS Depth: 1.30

Use: Surface water	Pipe Shape: Egg shaped
Year Laid: 1900	Width / Height: 300 / 225
Purpose: Sample survey to determine asset condition	Flow Control: No flow control
Lining:	Pipe Material: Vitrified clay pipe

Comment:
 Recommendation: **REQUIRES CLEANING**

1:802	Position m	Code	Observation	MPEG	Photo	Grade
Depth: 1.50						
CP03						
	0.00	CP	Start node type, catchpit, reference number: CP03	00:00:00		0
	0.00	WL	Water level, 50% of the vertical dimension	00:00:00		0
	0.00	OBZ	Other obstacles, other from 12 o'clock to 12 o'clock, 100% cross-sectional area loss	00:00:13		5
	0.00	SA	Survey abandoned / OBSTRUCTION / DEBRIS BUILD UP	00:00:16		0
	95.00		End of pipe			0
CP02						
Depth: 1.30						

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	1	10.0	0.0	10.0	5.0

Section Pictures - 17/10/2016 - CP03X

Section Number : 3	Survey Direction : CP03 → CP02	PLR : CP03X	Client's Ref :	Contractor's Ref : CCPR2000
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CP03X_84484d99-e6fa-4085-b8ef-851152bdbb1_20161017_115627_512.jpg, 00:00:13,
0.00m
Other obstacles, other from 12 o'clock to 12 o'clock, 100% cross-sectional area loss

Notes

Thank you for choosing to use FM Conway Ltd to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey. Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the Manual of Sewer Condition Classification (4th Ed, WRc, 2004), the Sewer Rehabilitation Manual (WRc) and BS EN13508:2.

This web based report will be valid for 30 days after publication to the web. During this time you are able to view/download the details of your report as many times as you wish. If after this time you wish to re-view or download your report there may be a nominal charge for re-uploading the data to the web site.

If a DVD and hard copy report is required to be sent in the post there will be a charge for this. Please contact us for further info on this. The price for hard copy and media reports is dependent on the size and type of media required to transfer your report, this will be quoted to you on request.

If a DVD has been supplied with this report, please note that it can only be used in a Windows based PC. Please browse the DVD and navigate to the docs folder to find project-based documents such as drawings, engineer's site notes and survey specifications amongst others.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, FM Conway Ltd suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. FM Conway are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and a the client must specify the data they wish to capture and the acceptable tolerances.

Where GPS coordinates and heights have been issued within this report, they are to 1m accuracy, and 2m accuracy for heights. Greater accuracy can be provided on request.