



**laser surveys**

land, building and underground services

**Laser Surveys Limited**

*Open Space*

*Upper Interfields*

*Malvern*

*WR14 1UT*

*Tel. 01886 833173*

*worcester@lasersurveys.com*

## **CCTV Survey**

At

Edmonds Park

Didcot

OX11 8QP

Job No: N8988

Date: April 2018



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**Project Information**

Project Name <b>N8988-Edmonds-Park</b>	Client's ref : <b>N8988</b>	Contractor's ref : <b>N8988</b>	Date: <b>18/04/2018</b>
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**Description**

**Client**

Company: RPA Architects  
Contact: Richard Potter  
Department: Strathfield House  
Street: Chiltern Road  
City: Upton, OX11 9JL  
Phone: 01235 850873  
Fax:  
Mobile:  
E-Mail: richard.potter@rpaarchitects.co.uk

**Site**

Company: County Council  
Contact:  
Department: Edmonds Park  
Street: Park Road  
City: Didcot, OX11 8QP  
Phone:  
Fax:  
Mobile:  
E-Mail:

**Contractor**

Company: Laser Surveys Limited  
Contact:  
Department: Open Space  
Street: Upper Interfields  
City: Malvern, WR14 1UT  
Phone: 01886 833173  
Fax:  
Mobile:  
E-Mail: worcester@lasersurveys.com



## Legend of Classification (Section)

Project Name  
**N8988-Edmonds-Park**

Project Number:

Date:  
**18/04/2018**

1:

Brick: No Structural Defects  
Pipe: No Structural Defects

Acceptable Structural Condition

2:

Brick: Minor cracking, Surface mortar loss, Spalling slight, Wear slight  
Pipe: Circumferential crack, Moderate joint defects, Spalling slight, Wear slight

Minor collapse risk in short term but potential for further deterioration

3:

Brick: Total mortar loss without other defects, single brick displaced, Deformation up to 5%, Spalling medium, Wear medium  
Pipe: Fractures with deformation up to 5%, Longitudinal cracking or multiple cracking, Minor loss of level, More severe joint

! Collapse unlikely in near future but future deterioration likely !

4:

Brick: Total mortar loss with deformation greater than 10%, Deformation up to 10% and fractured, Displaced/hanging brickwork, Small number of missing bricks  
Pipe: Broken, Deformation up to 10% and broken, Fractured with deformation 5 - 10%, Multiple fractures, serious loss of level, Spalling large, Wear large

!! Collapse likely in foreseeable future !!

5:

Brick: Already collapsed, Missing invert, Deformation over 10% and fractured, Displaced/hanging brickwork and deformation over 10%, Extensive missing bricks  
Pipe: Already collapsed, Deformation over 10% and broken, Extensive areas of fabric missing, Fractured with deformation over 10%

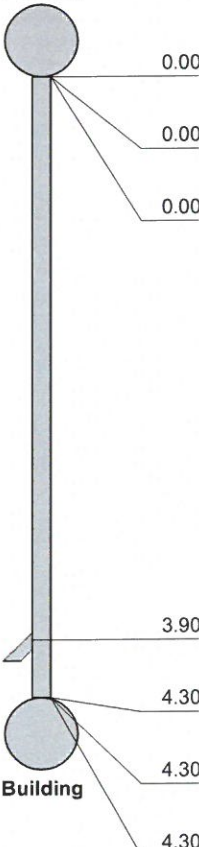
!!! Collapsed or collapse imminent !!!



## Inspection Report

Section Number : <b>1</b>	Date : <b>18/04/2018</b>	Client's Ref :	Weather : <b>No rain or snow</b>	Critical Drain/Sewer:	PLR : <b>BuildingX</b>
Operator :	Vehicle : <b>Van 1</b>	Camera : <b>Camera 1</b>	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place:	Didcot	Direction:	FW01(e) ← Building	US MH:	Building
Road:	Park Road	Catchment:		US Depth:	
Location:		Total Length	4.30	DS MH:	FW01(e)
Surface Cover:		Pipe Length:		DS Depth:	
Use:	Foul	Pipe Shape:	Circular		
Year Laid:		Width / Height	100 / 0		
Purpose:	Routine inspection of condition	Flow Control:	No flow control		
Lining:		Pipe Material:	Vitrified clay pipe		
Comment:	Start of N8988-Vid001 @ Time 00 00 00				
Recommendation:					

1:50	Position	m	Code	Observation	Grade				
Depth:									
FW01(e)									
	0.00		MH	Start node type, manhole, reference number: FW01(e)	0				
	0.00		WL	Water level, 05% of the vertical dimension	0				
	0.00	S01	DEG	Attached deposits, grease from 12 o'clock to 12 o'clock, 50% cross-sectional area loss, Start	0				
	3.90		JN	Junction at 3 o'clock, diameter: 100mm	0				
	4.30	F01	DEG	Attached deposits, grease from 12 o'clock to 12 o'clock, 50% cross-sectional area loss, Finish	4				
	4.30		JN	Junction at 6 o'clock, diameter: 100mm: Trap	0				
4.30		REM	General remark: Survey Finished at Trap	0					
Depth:									
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	8.0	1.9	8.0	4.0





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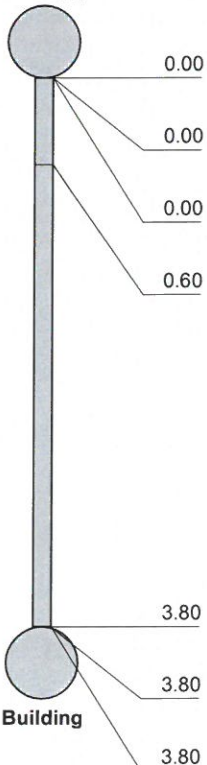
## Inspection Report

Section Number : <b>2</b>	Date : <b>18/04/2018</b>	Client's Ref :	Weather : <b>No rain or snow</b>	Critical Drain/Sewer:	PLR : <b>BuildingX</b>
Operator :	Vehicle : <b>Van 1</b>	Camera : <b>Camera 1</b>	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place: <b>Didcot</b>	Direction: <b>FW01(g) ← Building</b>	US MH: <b>Building</b>
Road: <b>Park Road</b>	Catchment:	US Depth:
Location:	Total Length <b>3.80</b>	DS MH: <b>FW01(g)</b>
Surface Cover:	Pipe Length:	DS Depth:

Use: <b>Foul</b>	Pipe Shape: <b>Circular</b>
Year Laid:	Width / Height <b>100 / 0</b>
Purpose: <b>Routine inspection of condition</b>	Flow Control: <b>No flow control</b>
Lining:	Pipe Material: <b>Vitrified clay pipe</b>

Comment: <b>Time 00 01 01</b>
Recommendation:

1:50	Position m	Code	Observation	Grade
Depth: FW01(g)				
	0.00	MH	Start node type, manhole, reference number: FW01(g)	0
	0.00	WL	Water level, 00% of the vertical dimension	0
	0.00	S01	Settled deposits, fine, 05% cross-sectional area loss, Start	0
	0.60	DER	Settled deposits, coarse, 25% cross-sectional area loss	4
	3.80	JN	Junction at 6 o'clock, diameter: 100mm: Trap	0
<b>Building</b>	3.80	F01	Settled deposits, fine, 05% cross-sectional area loss, Finish	3
	3.80	REM	General remark: Survey Finished at Trap	0
Depth:				

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	5.0	1.8	7.0	4.0

## Inspection Report

Section Number : <b>3</b>	Date : <b>18/04/2018</b>	Client's Ref :	Weather : <b>No rain or snow</b>	Critical Drain/Sewer:	PLR : <b>FW01X</b>
Operator :	Vehicle : <b>Van 1</b>	Camera : <b>Camera 1</b>	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place: <b>Didcot</b>	Direction: <b>FW01 → FW02</b>	US MH: <b>FW01</b>
Road: <b>Park Road</b>	Catchment:	US Depth:
Location:	Total Length <b>0.20</b>	DS MH: <b>FW02</b>
Surface Cover:	Pipe Length:	DS Depth:

Use: <b>Foul</b>	Pipe Shape: <b>Circular</b>
Year Laid:	Width / Height <b>100 / 0</b>
Purpose: <b>Routine inspection of condition</b>	Flow Control: <b>No flow control</b>
Lining:	Pipe Material: <b>Vitrified clay pipe</b>

Comment: <b>Time 00 01 39</b>
Recommendation:

1:50

Position m

Code

Observation

Grade

Depth:

FW01

0.00

0.00

0.20

0.20

FW02

MH

Start node type, manhole, reference number: FW01

0

WL

Water level, 40% of the vertical dimension

0

D

Deformed sewer/drain, 10%

5

SA

Survey abandoned: Stuck at Debris

0

Depth:

0.20m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	165.0	825.0	825.0	5.0	0	0.0	0.0	0.0	1.0



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## Inspection Report

Section Number : <b>4</b>	Date : <b>18/04/2018</b>	Client's Ref :	Weather : <b>No rain or snow</b>	Critical Drain/Sewer:	PLR : <b>UTFX</b>
Operator :	Vehicle : <b>Van 1</b>	Camera : <b>Camera 1</b>	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place: <b>Didcot</b>	Direction: <b>SW01</b>	US MH: <b>UTF</b>
Road: <b>Park Road</b>	Catchment:	US Depth:
Location:	Total Length <b>1.70</b>	DS MH: <b>SW01</b>
Surface Cover:	Pipe Length:	DS Depth:

Use: <b>Surface water</b>	Pipe Shape: <b>Circular</b>
Year Laid:	Width / Height <b>100 / 0</b>
Purpose: <b>Routine inspection of condition</b>	Flow Control: <b>No flow control</b>
Lining:	Pipe Material: <b>Vitrified clay pipe</b>

Comment: <b>Time 00 02 08</b>
Recommendation:

1:50	Position m	Code	Observation	Grade
Depth: SW01				
	0.00	MH	Start node type, manhole, reference number: SW01	0
	0.00	WL	Water level, 00% of the vertical dimension	0
	0.60	S01 OBM	Other obstacles, pipe material in invert from 4 o'clock to 8 o'clock, 25% cross-sectional area loss, Start	0
	1.70	DER	Settled deposits, coarse, 50% cross-sectional area loss	4
	1.70	F01 OBM	Other obstacles, pipe material in invert from 4 o'clock to 8 o'clock, 25% cross-sectional area loss, Finish	5
	1.70	SA	Survey abandoned: Stuck at Debris	0
Depth:				

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	10.0	10.6	18.0	5.0



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## Inspection Report

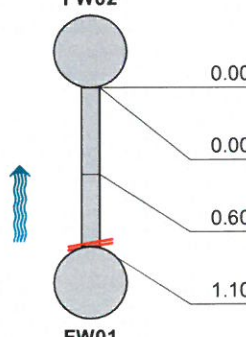
Section Number : <b>5</b>	Date : <b>18/04/2018</b>	Client's Ref :	Weather : <b>No rain or snow</b>	Critical Drain/Sewer:	PLR : <b>FW01X</b>
Operator :	Vehicle : <b>Van 1</b>	Camera : <b>Camera 1</b>	Preset :	Cleaned : <b>no</b>	Type of Drain : <b>Gravity drain/sewer</b>

Place: <b>Didcot</b>	Direction: <b>FW02 ← FW01</b>	US MH: <b>FW01</b>
Road: <b>Park Road</b>	Catchment:	US Depth:
Location:	Total Length <b>1.10</b>	DS MH: <b>FW02</b>
Surface Cover:	Pipe Length:	DS Depth:

Use: <b>Foul</b>	Pipe Shape: <b>Circular</b>
Year Laid:	Width / Height <b>100 / 0</b>
Purpose: <b>Routine inspection of condition</b>	Flow Control: <b>No flow control</b>
Lining:	Pipe Material: <b>Vitrified clay pipe</b>

Comment: **Time 00 02 48 / End of N8988-Vid001 @ 00 03 21**

Recommendation:

1:50	Position m	Code	Observation	Grade
Depth:				
FW02				
	0.00	MH	Start node type, manhole, reference number: FW02	0
	0.00	WL	Water level, 05% of the vertical dimension	0
	0.60	WL	Water level, 50% of the vertical dimension	0
	1.10	SA	Survey abandoned: Under Water	0
FW01				
Depth:				

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	0	0.0	0.0	0.0	1.0