

## Project-information

 Project name:  
**55 Lancaster Grove**

 Contract number:  
**T8286**

 Contact:  
**Andrew Stone**

 Date:  
**15/12/2015**

Client	<b>MMP Design Ltd.</b>
Contact:	<b>Andrew Stone</b>
Position:	<b>First Floor Unit 6</b>
Road	<b>Union Park</b>
Town	<b>Packet Boat Lane</b>
County	<b>Uxbridge, UB8 2GH</b>
Telephone:	<b>01895 430700</b>
Fax:	
Mobile:	
E-Mail:	<b>ajs@mmpdesign.co.uk</b>

Site	<b>55 Lancaster Grove</b>
Contact:	
Position:	
Road	
Town	<b>London</b>
County	<b>NW3 4HD</b>
Telephone:	
Fax:	
Mobile:	
E-Mail:	

Contractor	<b>Laser Surveys Ltd.</b>
Contact:	
Position:	<b>Open Space</b>
Road	<b>Upper Interfields</b>
Town	<b>Malvern</b>
County	<b>Worcestershire, WR14 1UT</b>
Telephone:	<b>01886 833173</b>
Fax:	
Mobile:	
E-Mail:	<b>worcester@lasersurveys.com</b>

## Defect Grade Description

Project name:  
**55 Lancaster Grove**

Contract number:  
**T8286**

Contact:  
**Andrew Stone**

Date:  
**15/12/2015**

**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 mortarloss 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 defects, Spalling medium, Wear medium

**! Collapse unlikely in near future but future deterioration likely !**

**4:**

Brick: Total mortarloss 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

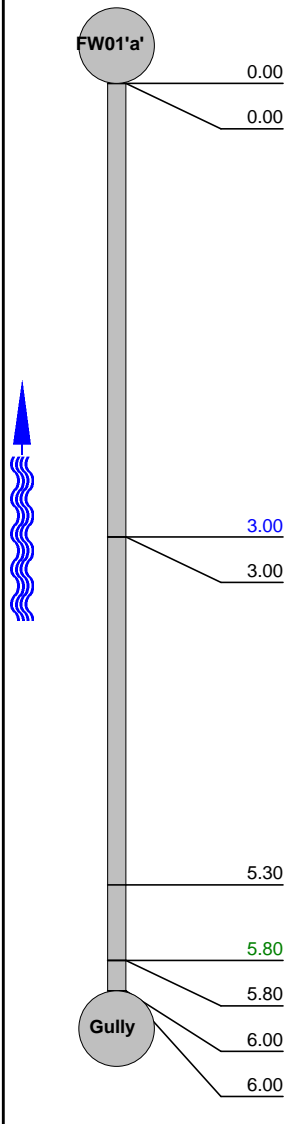
Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>1</b>	PLR: <b>Gully X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW01'a'</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>Gully</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>6 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Start of T8286-Vid001 @ Time 00 00 00**

1:50	position	code	observation	grade	
	0.00	MH	Start node type, manhole, reference number: FW01'a'	0	 <p style="text-align: center;">+03.0mtr 3 m // 00:00:00</p>
	0.00	WL	Water level 00 % height/diameter	0	
	3.00	CC	Crack Circumferential from 02 to 10 o'clock	2	 <p style="text-align: center;">+05.8mtr 5.8 m // 00:00:00</p>
	3.00	GP	General Condition photograph	0	
	5.30	DER	Settled deposits coarse 0 % cross-sectional area loss		
	5.80	RF	Fine Roots	1	
	5.80	GP	General Condition photograph	0	
	6.00	JN	Junction at 06 o'clock dia 100 mm Remark: Trap	0	
	6.00	REM	General remark, Remark: Survey Finished at Trap		



## Inspection report

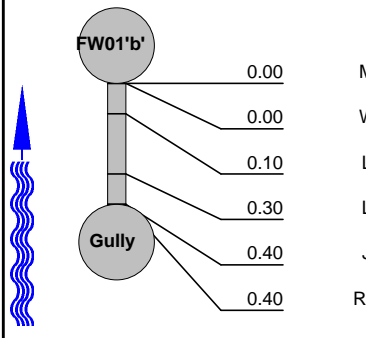
Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>2</b>	PLR: <b>Gully X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW01'b'</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>Gully</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>0.4 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Time 00 01 20**

1:25	position	code	observation	grade
	0.00	MH	Start node type, manhole, reference number: FW01'b'	0
	0.00	WL	Water level 00 % height/diameter	0
	0.10	LU	Line of drain/sewer deviates up	
	0.30	LD	Line of drain/sewer deviates down	
	0.40	JN	Junction at 06 o'clock dia 100 mm Remark: Trap	0
	0.40	REM	General remark, Remark: Survey Finished at Line Up	



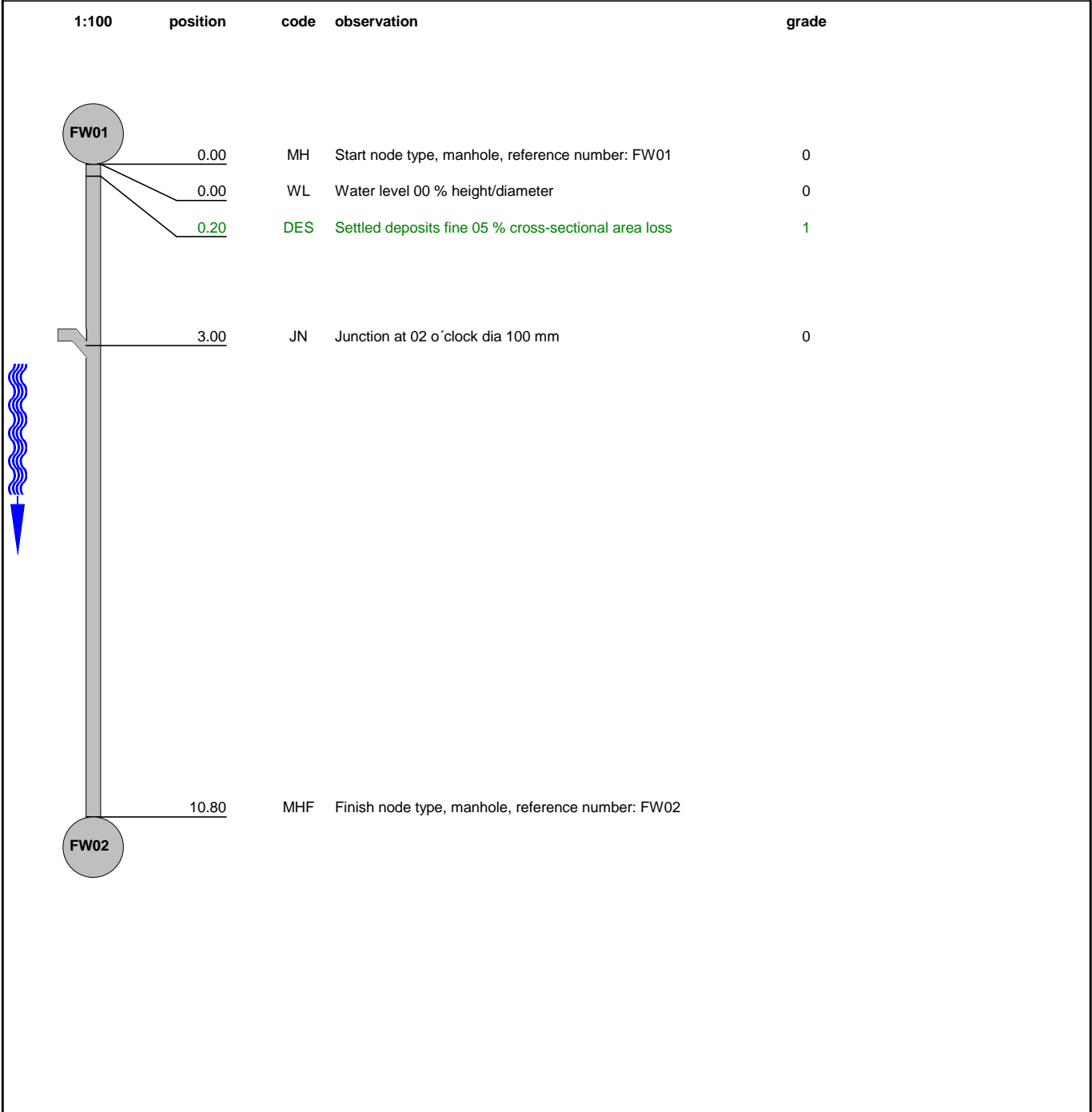
## Inspection report

Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>3</b>	PLR: <b>FW01 X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW01</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>FW02</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>10.8 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Time 00 01 48**



## Inspection report

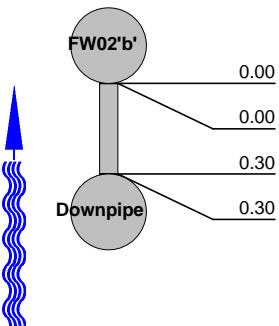
Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>4</b>	PLR: <b>Downpipe X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW02'b'</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>Downpipe</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>0.3 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Time 00 03 28**

1:25	position	code	observation	grade
	0.00	MH	Start node type, manhole, reference number: FW02'b'	0
	0.00	WL	Water level 00 % height/diameter	0
	0.30	LU	Line of drain/sewer deviates up	
	0.30	REM	General remark, Remark: Survey Finished at Line Up	



## Inspection report

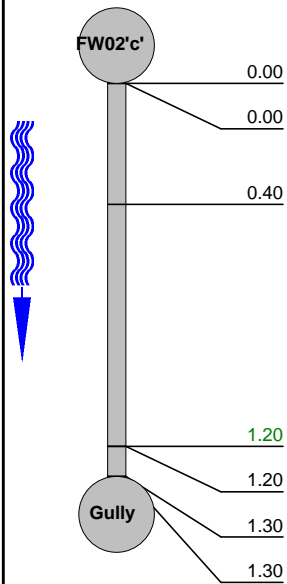
Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>5</b>	PLR: <b>FW02'c' X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

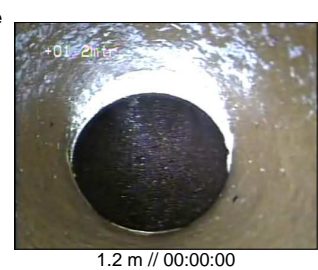
Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW02'c'</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>Gully</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>1.3 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Time 00 04 06**

1:25	position	code	observation	grade
	0.00	MH	Start node type, manhole, reference number: FW02'c'	0
	0.00	WL	Water level 00 % height/diameter	0
	0.40	DEEJ	Attached deposits encrustation at joint from 03 to 09 o'clock 05 % cross-sectional area loss	
	1.20	JDM	Joint displaced medium	1
	1.20	GP	General Condition photograph	0
	1.30	LU	Line of drain/sewer deviates up	
	1.30	REM	General remark, Remark: Survey Finished at Line Up	





## Inspection report

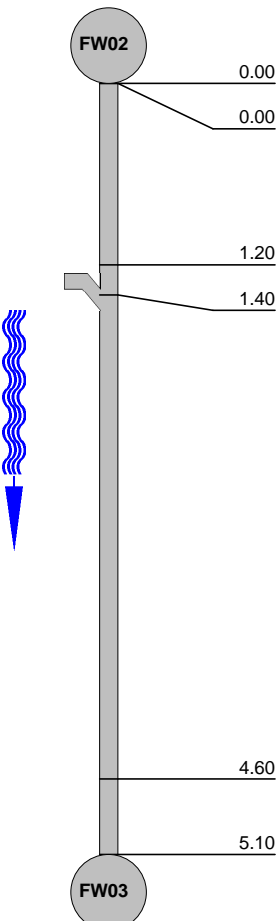
Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>6</b>	PLR: <b>FW02 X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW02</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>FW03</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>5.1 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: <b>Time 00 04 47</b>
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1:50	position	code	observation	grade
	0.00	MH	Start node type, manhole, reference number: FW02	0
	0.00	WL	Water level 00 % height/diameter	0
	1.20	DER	Settled deposits coarse 05 % cross-sectional area loss	
	1.40	JN	Junction at 02 o'clock dia 100 mm	0
	4.60	LD	Line of drain/sewer deviates down	
	5.10	MHF	Finish node type, manhole, reference number: FW03	





## Inspection report

Date: <b>15/12/2015</b>	Job N°: <b>T8286</b>	Weather: <b>No rain or snow</b>	Operator: <b>James</b>	section number: <b>7</b>	PLR: <b>FW03 X</b>
Video Volume No.: <b>T8286-Vid001</b>	Flow Ctrl: <b>No flow control</b>	Temperature: <b>above freezing</b>	Year laid:	Cleaned: <b>No</b>	Strat. Drain:

Road: <b>55 Lancaster Road</b>	Div/Dist:	start MH: <b>FW03</b>
Place: <b>London</b>	Drain. Area:	end MH: <b>Offsite</b>
Location:	Standard: <b>BS EN 13508-2:2003</b>	Total length: <b>6.9 m</b>

Purpose: <b>Routine inspection of condition</b>	Shape/Size: <b>Circular 100mm</b>
Type: <b>Gravity drain/sewer</b>	Material: <b>Vitrified clay (i.e. all clayware)</b> Pipe length:
Use: <b>Foul</b>	Lining: Lining Type:

Comment: **Time 00 06 01**

1:75	position	code	observation	grade
	0.00	MH	Start node type, manhole, reference number: FW03	0
	0.00	WL	Water level 00 % height/diameter	0
	0.10	CC	Crack Circumferential from 12 to 12 o'clock	2
	0.20	JN	Junction at 06 o'clock dia 150 mm Remark: Trap	0
	1.20	DEE	Attached deposits encrustation from 03 to 06 o'clock 10 % cross-sectional area loss	
	1.50	HJ	Hole in sewer at joint from 02 to 05 o'clock	4
	1.50	GP	General Condition photograph	0
	6.90	REM	General remark, Remark: Survey Finished at Node	

