

## **Project**

**Project Name:** FJ00401962 - Old EPI Building  
**Project Description:** CCTV Survey  
**Project Number:** FJ00401962  
**Project Status:** Complete  
**Project Date:** 14/03/2025

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FJ00401962 - Old EPI Building	FJ00401962	14/03/2025

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## Project Information

Project Name	Project Number	Project Date
FJ00401962 - Old EPI Building	FJ00401962	14/03/2025

### Client

**Company:** Skyline Funding UK Ltd

### Site

**Company:** Avie Consulting  
**Description:** Old EPI Building  
**Contact:** Steve Bowles  
**Street:** Chapel Lane  
**Town or City:** Huddersfield  
**Post Code:** HD5 9BG  
**Mobile:** 07526831040  
**Email:** steve.bowles@avie-consulting.co.uk

### Contractor

**Company:** Jet Aire Services  
**Contact:** Lee Clayton  
**Department:** Sales  
**Street:** G North Road  
**Town or City:** Aberford  
**County:** West Yorkshire  
**Post Code:** LS25 3AU  
**Phone:** 01133935500  
**Mobile:** 07701 332 653  
**Email:** Lee.clayton@jetaire.co.uk

## Scoring Summary

<b>Project Name</b> FJ00401962 - Old EPI Building	<b>Project Number</b> FJ00401962	<b>Project Date</b> 14/03/2025
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### Structural Defects

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.

Section	PLR	Grade	Description
2	LINE AX	5	Hole in drain or sewer at joint from 3 o'clock to 6 o'clock
5	MH4X	3	Fracture, longitudinal at 11 o'clock
6	MH4X	3	Fracture, longitudinal at 12 o'clock

### Service / Operational Condition

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.

Section	PLR	Grade	Description
5	MH4X	4	Settled deposits, coarse, 30% cross-sectional area loss

### Abandoned Surveys

Section	PLR	Description
5	MH4X	Survey abandoned
6	MH4X	Survey abandoned

### Information

These scoring summaries are based on the SRM grading from the WRc.

## Section Inspection - 23/01/2014 - MH1X

Item No. 1	Insp. No. 1	Date 23/01/14	Time 12:54	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR MH1X
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

<b>Town or Village:</b>	Huddersfield	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	MH1
<b>Road:</b>	Chapel Lane	<b>Inspected Length:</b>	3.48 m	<b>Upstream Pipe Depth:</b>	0.900 m
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	3.48 m	<b>Downstream Node:</b>	MAIN
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Combined	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	150 mm
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Material:</b>	Vitrified clay	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>		<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Routine inspection				

**Comments:**

**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
<p>Depth: 0.90 m</p> <p>MH1</p>							
	0.00	MH	Start node, manhole, reference: MH1		00:00:04		
	0.00	WL	Water level, 5% of the vertical dimension		00:00:04		
	0.96	CC	Crack, circumferential from 4 o'clock to 6 o'clock		00:00:11	41341.jpg	2 / 2
	3.48	BRF	Finish node, major connection without manhole, reference: MAIN		00:00:21		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	2.9	10.0	2.0	1	1.0	0.3	1.0	2.0

## Section Pictures - 23/01/2014 - MH1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MH1X	FJ00401962	Skyline Funding



41341.jpg, 00:00:11, 0.96 m  
Crack, circumferential from 4 o'clock to 6 o'clock

## Section Inspection - 23/01/2014 - LINE AX

Item No. 2	Insp. No. 2	Date 23/01/14	Time 13:07	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR LINE AX
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

<b>Town or Village:</b>	Huddersfield	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	LINE A
<b>Road:</b>	Chapel Lane	<b>Inspected Length:</b>	1.67 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	1.67 m	<b>Downstream Node:</b>	MH1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.900 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>		<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH1	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
		0.10	FC	Fracture, circumferential from 2 o'clock to 6 o'clock	00:00:09	2128.jpg	3 / 2
		0.68	HJ	Hole in drain or sewer at joint from 3 o'clock to 6 o'clock	00:00:13	9504.jpg	5
		0.99	LU	Line deviates up: Sharp	00:00:17		
		1.67	OCF	Finish node, other special chamber, reference: LINE A: SVP1	00:00:24		

Depth: m

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	165.0	122.8	205.0	5.0	1	1.0	0.6	1.0	2.0

## Section Pictures - 23/01/2014 - LINE AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	LINE AX	FJ00401962	Skyline Funding



2128.jpg, 00:00:09, 0.10 m  
Fracture, circumferential from 2 o'clock to 6 o'clock



9504.jpg, 00:00:13, 0.68 m  
Hole in drain or sewer at joint from 3 o'clock to 6 o'clock



## Section Inspection - 23/01/2014 - GULLY 1X

Item No. 4	Insp. No. 4	Date 23/01/14	Time 13:16	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR GULLY 1X
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

<b>Town or Village:</b>	Huddersfield	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	GULLY 1
<b>Road:</b>	Chapel Lane	<b>Inspected Length:</b>	0.63 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	0.63 m	<b>Downstream Node:</b>	MH1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.900 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>		<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH1	00:00:04		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
		0.63	GYF	Finish node, gully, reference: GULLY 1	00:00:15		

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

## Section Inspection - 23/01/2014 - MH4X

Item No. 5	Insp. No. 5	Date 23/01/14	Time 14:15	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4X
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

<b>Town or Village:</b>	Huddersfield	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	MH4
<b>Road:</b>	Chapel Lane	<b>Inspected Length:</b>	14.52 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	14.52 m	<b>Downstream Node:</b>	MH3
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.600 m
<b>Use:</b>	Combined	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>		<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:126	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.60 m MH3							
	0.00	MH	Start node, manhole, reference: MH3		00:00:05		
	0.00	WL	Water level, 5% of the vertical dimension		00:00:06		
	0.19	FL	Fracture, longitudinal at 11 o'clock		00:00:12	13469.jpg	3 / 2
	1.08	JN	Junction at 11 o'clock, 150mm dia		00:00:19		
	9.19	JN	Junction at 10 o'clock, 150mm dia		00:01:02		
	9.83	CL	Crack, longitudinal at 3 o'clock		00:01:10	44294.jpg	2 / 2
	14.06	JN	Junction at 10 o'clock, 150mm dia		00:01:32		
	14.13	DER	Settled deposits, coarse, 30% cross-sectional area loss		00:01:37		4
	14.52	SA	Survey abandoned: Due to Debris		00:01:54		

**Construction Features**

**Miscellaneous Features**

**Structural Defects**

**Service & Operational Observations**

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	40.0	3.4	50.0	3.0	3	5.0	0.5	7.0	4.0

## Section Pictures - 23/01/2014 - MH4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	MH4X	FJ00401962	Skyline Funding



13469.jpg, 00:00:12, 0.19 m  
Fracture, longitudinal at 11 o'clock



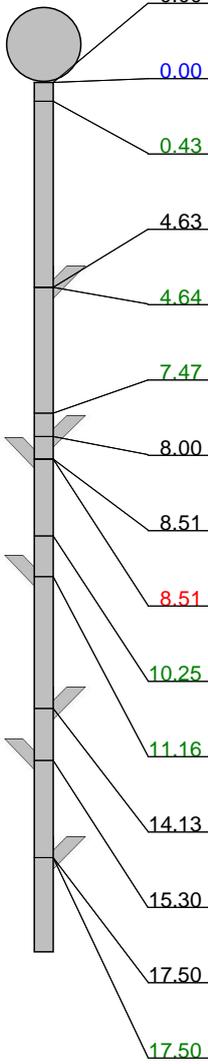
44294.jpg, 00:01:10, 9.83 m  
Crack, longitudinal at 3 o'clock

## Section Inspection - 23/01/2014 - MH4X

Item No. 6	Insp. No. 6	Date 23/01/14	Time 14:53	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4X
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

<b>Town or Village:</b>	Huddersfield	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	MH4
<b>Road:</b>	Chapel Lane	<b>Inspected Length:</b>	41.43 m	<b>Upstream Pipe Depth:</b>	1.600 m
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	41.43 m	<b>Downstream Node:</b>	MH3
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Combined	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>		<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Routine inspection	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:**

Scale: 1:170	Position [m]	Code	Observation	MPEG	Photo	Grade
<b>Depth: 1.60 m</b>						
<b>MH4</b>						
	0.00	MH	Start node, manhole, reference: MH4	00:00:04		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	0.43	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss	00:00:10		3
	4.63	JN	Junction at 10 o'clock, 150mm dia	00:00:37		
	4.64	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:44	50388.jpg	3
	7.47	RFJ	Roots, fine at joint	00:00:54	6822.jpg	2
	8.00	JN	Junction at 10 o'clock, 150mm dia	00:01:03		
	8.51	JNC	Junction, closed at 2 o'clock, 150mm dia	00:01:20		
	8.51	FL	Fracture, longitudinal at 12 o'clock	00:01:25	9028.jpg	3 / 2
	10.25	DER	Settled deposits, coarse, 5% cross-sectional area loss	00:01:38		3
	11.16	CXI	Connection defective, connecting pipe is intruding at 3 o'clock, 150mm dia, intrusion: 5%	00:01:50		3
	14.13	JN	Junction at 10 o'clock, 150mm dia	00:02:19		
	15.30	JN	Junction at 2 o'clock, 150mm dia	00:02:39		
	17.50	JN	Junction at 9 o'clock, 150mm dia	00:03:03		
	17.50	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss: From Junction	00:03:03		3

## Section Inspection - 23/01/2014 - MH4X

Item No. 6	Insp. No. 6	Date 23/01/14	Time 14:53	Client's Job Ref FJ00401962	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4X
Operator M.HOPKINS		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID 1

Scale:	1:170	Position [m]	Code	Observation	MPEG	Photo	Grade
		21.76	CL	Crack, longitudinal at 9 o'clock	00:03:30	63511.jpg	2 / 2
		25.19	JN	Junction at 2 o'clock, 150mm dia	00:03:54		
		25.63	JN	Junction at 2 o'clock, 150mm dia	00:04:08		
		28.45	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:04:27		3
		29.91	JN	Junction at 1 o'clock, 150mm dia	00:04:42		
		29.91	DEE	Attached deposits, encrustation from 12 o'clock to 4 o'clock, 10% cross-sectional area loss: Around Connection	00:04:51	63552.jpg	3
		30.26	CXI	Connection defective, connecting pipe is intruding at 2 o'clock, 150mm dia, intrusion: 10%	00:05:00		3
		36.51	JN	Junction at 11 o'clock, 150mm dia	00:05:43		
		36.98	JN	Junction at 1 o'clock, 150mm dia	00:05:57		
		40.24	JN	Junction at 1 o'clock, 150mm dia	00:06:30		
		41.37	JDL	Joint displaced, large	00:06:44	32681.jpg, 52760.jpg	1 / 3
		41.43	SA	Survey abandoned: Overlapped survey	00:06:59		

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	40.0	1.2	51.0	3.0	12	4.0	0.6	23.0	3.0

## Section Pictures - 23/01/2014 - MH4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	MH4X	FJ00401962	Skyline Funding



50388.jpg, 00:00:44, 4.64 m  
Roots, mass at joint, 5% cross-sectional area loss



6822.jpg, 00:00:54, 7.47 m  
Roots, fine at joint



9028.jpg, 00:01:25, 8.51 m  
Fracture, longitudinal at 12 o'clock



63511.jpg, 00:03:30, 21.76 m  
Crack, longitudinal at 9 o'clock

## Section Pictures - 23/01/2014 - MH4X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	MH4X	FJ00401962	Skyline Funding



63552.jpg, 00:04:51, 29.91 m  
Attached deposits, encrustation from 12 o'clock to 4 o'clock,  
10% cross-sectional area loss, Around Connection



32681.jpg, 00:06:44, 41.37 m  
Joint displaced, large



52760.jpg, 00:06:44, 41.37 m  
Joint displaced, large