NorthWest DrainServices

Inspection Report

Project Name:	Burn Rd 290125
Start Date:	29/01/2025
Client:	Wiggett Construction Ltd 449 Middleton Road Chadderton

NorthWest DrainServices

North West Drain Services Ltd
Unit G10 Falcon mill, Bolton
Tel. 07756631110 / 07429611080
drainservices@googlemail.com

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Project Name	Project Number	Project Date
Burn Rd 290125		29/01/2025

North West Drain Services Ltd
Unit G10 Falcon mill, Bolton
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Project Information

Project Name	Project Number	Project Date
Burn Rd 290125		29/01/2025

Client

Company: Wiggett Construction Ltd
Department: Viking House
Street: 449 Middleton Road
Town or City: Chadderton
Post Code: OL9 9LB

Site

Street: Burn Road
Town or City: Huddersfield
Post Code: HD3 3BT

Contractor

Company: North West Drain Services Ltd
Street: Unit G10 Falcon mill
Town or City: Bolton
County: Greater Manchester
Post Code: BL1 8BL
Phone: 07756631110 / 07429611080
Email: drainservices@googlemail.com

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Section Inspection - 29/01/2025 - MHCX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	29/01/25	10:11	Not Specified	No Rain Or Snow	Yes	MHCX

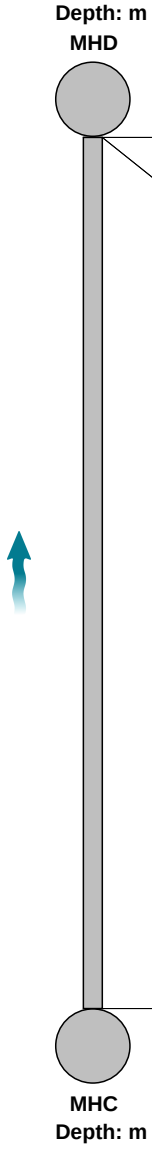
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Upstream	**Upstream Node:**	MHC
Road:	Field Off Burn Rd	**Inspected Length:**	41.16 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	41.16 m	**Downstream Node:**	MHD
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	825 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:357



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MHD	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
41.16	MHF	Finish node, manhole, reference: MHC	00:03:24		

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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 29/01/2025 - MHBX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	29/01/25	12:05	Not Specified	No Rain Or Snow	Yes	MHBX

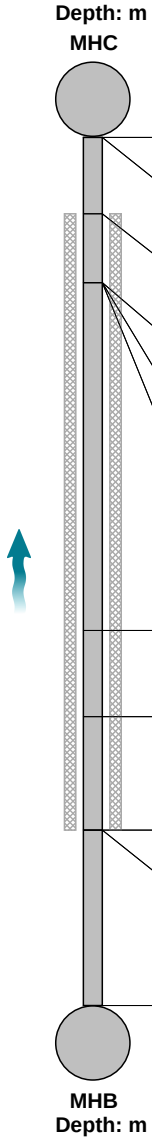
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Upstream	**Upstream Node:**	MHB
Road:	Field Off Burn Rd	**Inspected Length:**	19.64 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	19.64 m	**Downstream Node:**	MHC
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	525 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:171



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MHC	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension	00:00:00		
1.74	S01	CLJ	Crack, longitudinal at joint at 12 o'clock, start	00:00:21	MHBX_4902609f-fe3d-402d-93	
3.29		FLJ	Fracture, longitudinal at joint at 12 o'clock	00:00:43	MHBX_5ae691b6-bb29-40d4-b	3 / 2
3.29		RFJ	Roots, fine at joint	00:00:45	MHBX_46b64558-28ed-44bd-a	2
3.29		FCJ	Fracture, circumferential at joint from 7 o'clock to 8 o'clock	00:00:54	MHBX_fd8386f7-54df-4000-ad3	3 / 2
11.15		FLJ	Fracture, longitudinal at joint at 10 o'clock	00:01:46	MHBX_02d508dd-4f11-45eb-9	3 / 2
13.10		RMJ	Roots, mass at joint, 10% cross-sectional area loss	00:02:02	MHBX_156a6ace-ceed-4cd4-8	3
15.68		RFJ	Roots, fine at joint	00:02:27	MHBX_240d1130-8782-46b3-b	2
15.68	F01	CLJ	Crack, longitudinal at joint at 12 o'clock, finish	00:02:30		2 / 2
19.64		MHF	Finish node, manhole, reference: MHB	00:03:09		

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**
4	80.0	13.2	260.0	3.0	7	4.0	1.2	23.0	3.0

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Section Pictures - 29/01/2025 - MHBX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Upstream	MHBX		

MHBX_4902609f-fe3d-402d-9372-55a3a2014abb_20250129_120554_963.jpg, 00:00:21, 1.74 m
Crack, longitudinal at joint at 12 o'clock, start

MHBX_5ae691b6-bb29-40d4-b5ba-6857814673c3_20250129_120624_743.jpg, 00:00:43, 3.29 m
Fracture, longitudinal at joint at 12 o'clock

MHBX_46b64558-28ed-44bd-a651-023e1af7238f_20250129_120625_858.jpg, 00:00:45, 3.29 m
Roots, fine at joint

MHBX_fd8386f7-54df-4000-ad30-053cb1881fe6_20250129_120636_036.jpg, 00:00:54, 3.29 m
Fracture, circumferential at joint from 7 o'clock to 8 o'clock

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Section Pictures - 29/01/2025 - MHBX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Upstream	MHBX		

MHBX_02d508dd-4f11-45eb-9911-8205e1384e13_20250129_120732_536.jpg, 00:01:46, 11.15 m
Fracture, longitudinal at joint at 10 o'clock

MHBX_156a6ace-ceed-4cd4-84e7-cd8e9dfab62b_20250129_120754_011.jpg, 00:02:02, 13.10 m
Roots, mass at joint, 10% cross-sectional area loss

MHBX_240d1130-8782-46b3-b970-54563cebf36f_20250129_120820_170.jpg, 00:02:27, 15.68 m
Roots, fine at joint

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Section Inspection - 29/01/2025 - MHAX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	29/01/25	12:33	Not Specified	No Rain Or Snow	Yes	MHAX

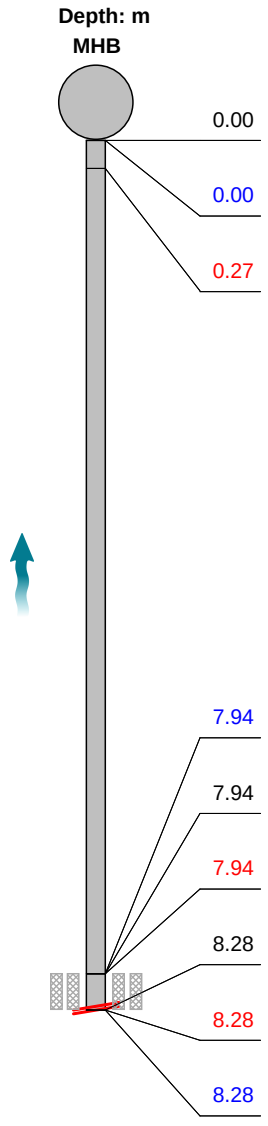
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Upstream	**Upstream Node:**	MHA
Road:	Field Off Burn Rd	**Inspected Length:**	8.28 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	8.28 m	**Downstream Node:**	MHB
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	525 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:72



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MHB	00:00:00		
0.00		WL	Water level, 10% of the vertical dimension	00:00:00		
0.27		JDL	Joint displaced, large	00:00:07	MHAX_77c784c2-de17-4d7a-9	1 / 4
7.94		REM	General remark: BURIED CHAMBER	00:01:14	MHAX_e0ea8e83-074e-41ff-a0	
7.94	S01	LXEB	Defective lining, external bulge at 8 o'clock, start	00:02:00	MHAX_20aded6e-6483-4bcf-90	
7.94	S02	DV	Deformed vertically, 20%, start	00:02:06	MHAX_62035e76-38bb-428c-b	
8.28	F01	LXEB	Defective lining, external bulge at 8 o'clock, finish	00:03:18		
8.28	F02	DV	Deformed vertically, 20%, finish	00:03:20		
8.28		SA	Survey abandoned: DUE TO DEFECTIVE LINER	00:03:22	MHAX_30988d4e-dabc-4fd3-ab	

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	2.0	0.2	2.0	1.0	1	5.0	0.6	5.0	4.0

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Section Pictures - 29/01/2025 - MHAX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	MHAX		

MHAX_77c784c2-de17-4d7a-96d9-b451de4af122_20250129_123353_262.jpg, 00:00:07, 0.27 m
Joint displaced, large

MHAX_e0ea8e83-074e-41ff-a02e-53461ab5a0f7_20250129_121645_989.jpg, 00:01:14, 7.94 m
General remark, BURIED CHAMBER

MHAX_20aded6e-6483-4bcf-905e-97497a368623_20250129_123712_684.jpg, 00:02:00, 7.94 m
Defective lining, external bulge at 8 o'clock, start

MHAX_62035e76-38bb-428c-bcb8-4c098ad35ab2_20250129_123724_033.jpg, 00:02:06, 7.94 m
Deformed vertically, 20%, start

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Section Pictures - 29/01/2025 - MHAX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	MHAX		

MHAX_30988d4e-dabc-4fd3-ab97-8154044a9564_20250129_123903_044.jpg, 00:03:22, 8.28 m
Survey abandoned, DUE TO DEFECTIVE LINER

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Section Inspection - 29/01/2025 - MHDX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	29/01/25	12:56	Not Specified	No Rain Or Snow	Yes	MHDX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Downstream	**Upstream Node:**	MHD
Road:	Field Off Burn Rd	**Inspected Length:**	36.22 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	36.22 m	**Downstream Node:**	MHF
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Cast iron
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:314

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MHD	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
0.00	REM	General remark: M-PEG MATERIAL INCORRECT PIPE IS CAST IRON	00:05:02		
0.02	B	Broken pipe from 7 o'clock to 5 o'clock	00:00:04	MHDX_07d47304-f11e-4cef-a6	4
3.18	JDM	Joint displaced, medium	00:00:36	MHDX_53ac9ce9-f267-4653-a7	1 / 3
9.38	JDM	Joint displaced, medium	00:01:19	MHDX_87d915cf-dc07-4ac9-89	1 / 3
20.44	JDM	Joint displaced, medium	00:02:36		1 / 3
23.13	WL	Water level, 20% of the vertical dimension	00:03:20		
36.22	MHF	Finish node, manhole, reference: MHF	00:04:57		

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**
4	80.0	2.3	83.0	4.0	3	2.0	0.2	6.0	3.0

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Section Pictures - 29/01/2025 - MHDX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Downstream	MHDX		

MHDX_07d47304-f11e-4cef-a6ad-3201fbd16c49_20250129_125707_564.jpg, 00:00:04, 0.02 m
Broken pipe from 7 o'clock to 5 o'clock

MHDX_53ac9ce9-f267-4653-a7b8-27238d9bccac_20250129_125744_860.jpg, 00:00:36, 3.18 m
Joint displaced, medium

MHDX_87d915cf-dc07-4ac9-8970-d156ab7fe081_20250129_125828_940.jpg, 00:01:19, 9.38 m
Joint displaced, medium

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Section Inspection - 29/01/2025 - O/FALLX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	29/01/25	13:25	Not Specified	No Rain Or Snow	Yes	O/FALLX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Upstream	**Upstream Node:**	O/FALL
Road:	Field Off Burn Rd	**Inspected Length:**	6.57 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	6.57 m	**Downstream Node:**	MHG
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	750 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:57

Position [m]	Depth: m	Code	Observation	MPEG	Photo	Grade
	MHG					
0.00		OF	Start node, outfall, reference: MHG	00:00:00		
0.00		WL	Water level, 10% of the vertical dimension	00:00:00		
6.57		MHF	Finish node, manhole, reference: O/FALL	00:00:32		
	O/FALL					
	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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Inspection - 29/01/2025 - MHEX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	29/01/25	13:26	Not Specified	No Rain Or Snow	Yes	MHEX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
A Wharton	ML23 SUH	Crawler	Not Specified	Public Sewer	Not Specified

Town or Village:	Birchencliffe	**Inspection Direction:**	Upstream	**Upstream Node:**	MHE
Road:	Field Off Burn Rd	**Inspected Length:**	16.82 m	**Upstream Pipe Depth:**	
Location:	Fields, farmland etc	**Total Length:**	16.82 m	**Downstream Node:**	MHG
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	750 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Routine inspection	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:146

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MHG	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:00		
16.82	REM	General remark: SCREEN IN MANHOLE FULLOF WIPES AND DEBRIS	00:01:29		
16.82	MHF	Finish node, manhole, reference: MHE	00:01:30		

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**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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North West Drain Services Ltd

Thank you for choosing to use North West Drain Services 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 drainage standard used in the country and language settings for this PC.

If a DVD has been supplied with this report, please not that it can only be used in a Windows based PC. Please browse the DVD and navigate to the PDF 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, North West Drain Services 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. North West Drain Services Ltd 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.

All measurements including depths, meterage, locations are given as an approximate guide only and not to be used for piling purposes. We do no offer pin-point locating of drainage.