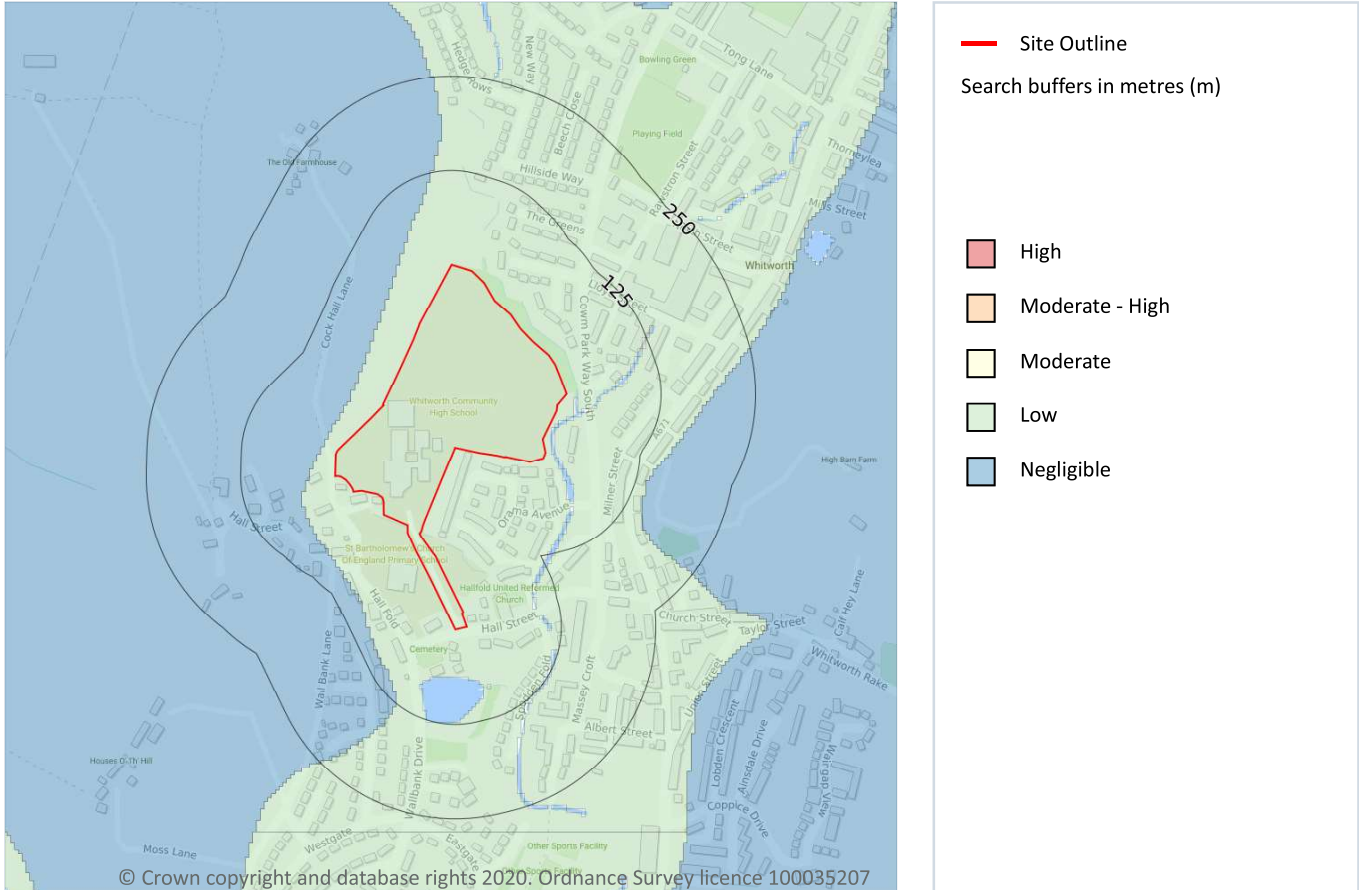






## 9 Groundwater flooding



### 9.1 Groundwater flooding

<b>Highest risk on site</b>	<b>Low</b>
<b>Highest risk within 50m</b>	<b>Low</b>

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

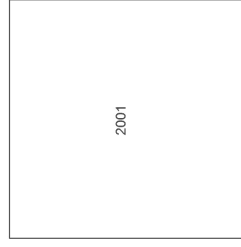
Features are displayed on the Groundwater flooding map on **page 81**

*This data is sourced from Ambiantal Risk Analytics.*

**Site Details:**  
388130 417955, OL12 8TS

**Client Ref:** 13516  
**Report Ref:** GS-6984701  
**Grid Ref:** 388142, 417929

**Map Name:** National Grid  
**Map date:** 2001  
**Scale:** 1:10,000  
**Printed at:** 1:10,000

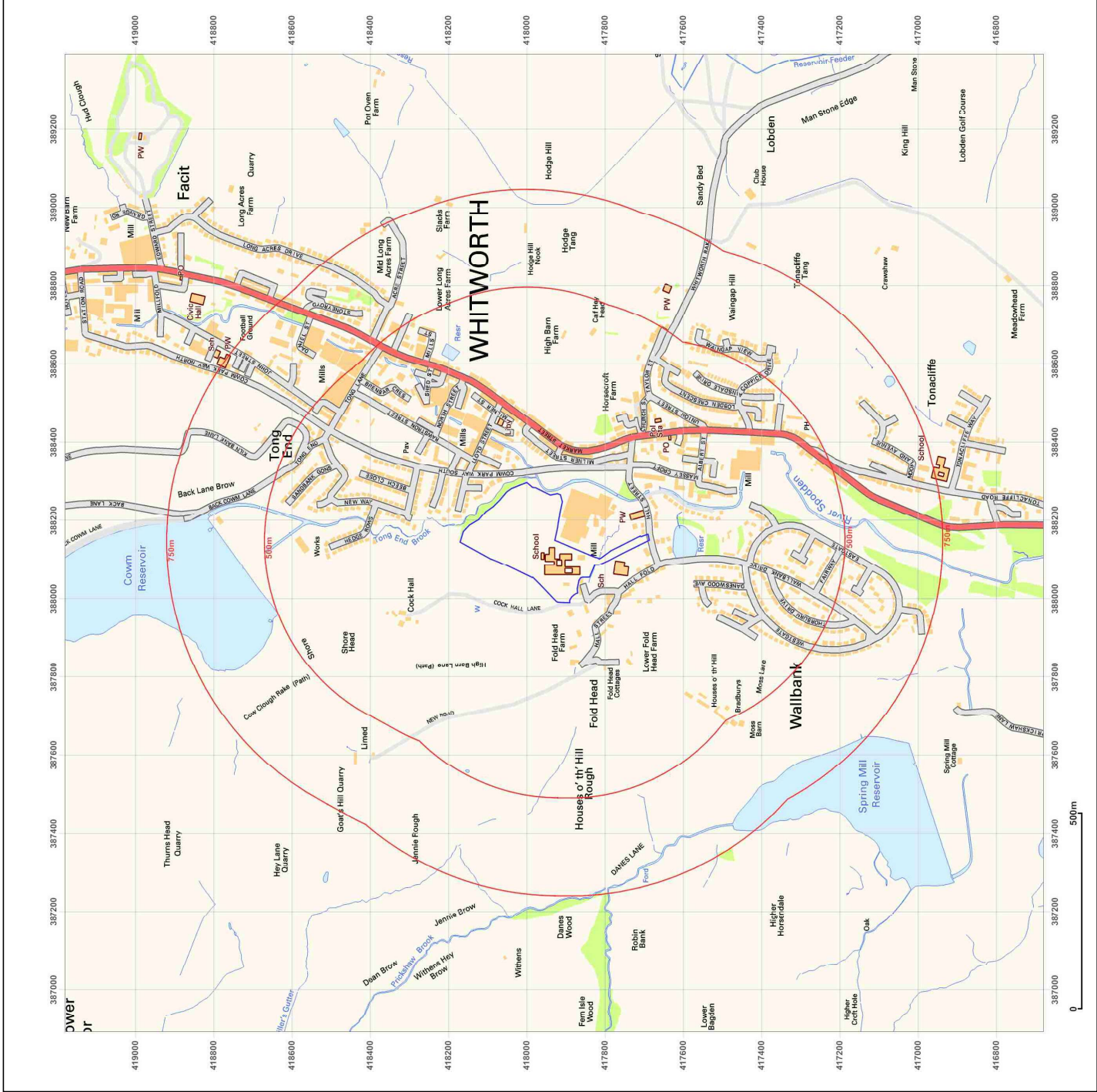


Produced by  
Groundsure Insights  
T: 08444 159000  
E: [info@groundsure.com](mailto:info@groundsure.com)  
W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 20 August 2020

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
388130 417955, OL12 8TS

**Client Ref:** 13516  
**Report Ref:** GS-6984701  
**Grid Ref:** 388142, 417929

**Map Name:** National Grid  
**Map date:** 1975-1976  
**Scale:** 1:1,250  
**Printed at:** 1:2,000



Surveyed 1975  
Revised 1975  
Edition N/A  
Copyright 1976  
Levelled 1962

Surveyed 1975  
Revised 1975  
Edition N/A  
Copyright 1975  
Levelled 1962

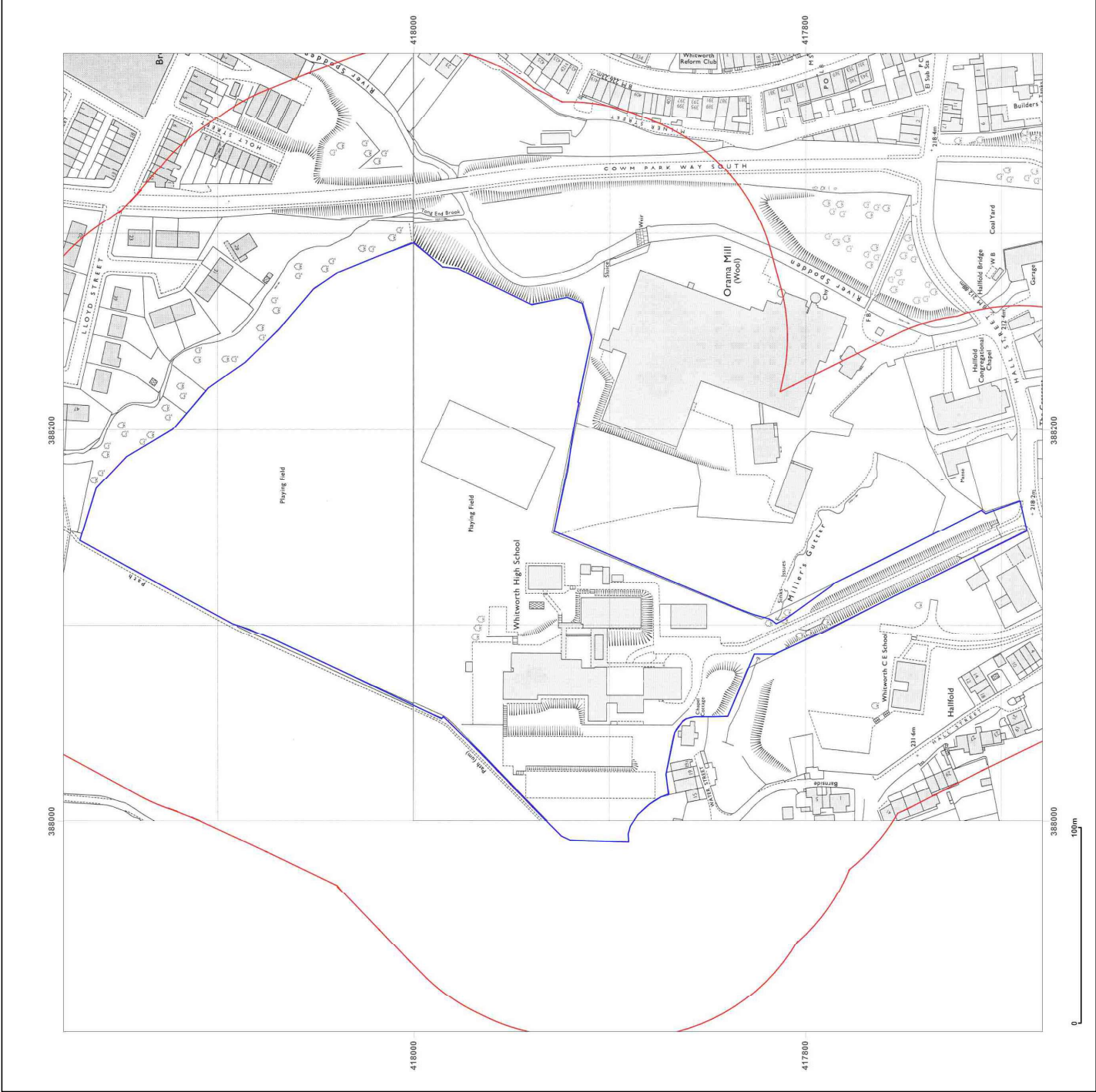


Produced by  
Groundsure Insights  
T: 08444 159000  
E: [info@groundsure.com](mailto:info@groundsure.com)  
W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 20 August 2020

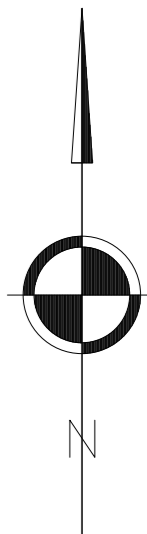
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Appendix C**

GPR Survey

Outfall details River Spodden



SURVEY ORIENTATED TO REAL TIME GPS



LEGEND

Legend table with multiple columns and rows of colored lines and symbols corresponding to different utility types and materials.

UNDERGROUND UTILITIES SERVICES DISCLAIMER

Our clients are advised that this drawing is based on the information provided to us by the client and is not a guarantee of the accuracy of the information provided.

NOTE 1

NOTE 2

Small table with multiple columns and rows, likely a revision or data table.

REVISIONS

Table with columns: REV, DESCRIPTION, SURVEYED/DRAWN, DATE.

JLP Surveying

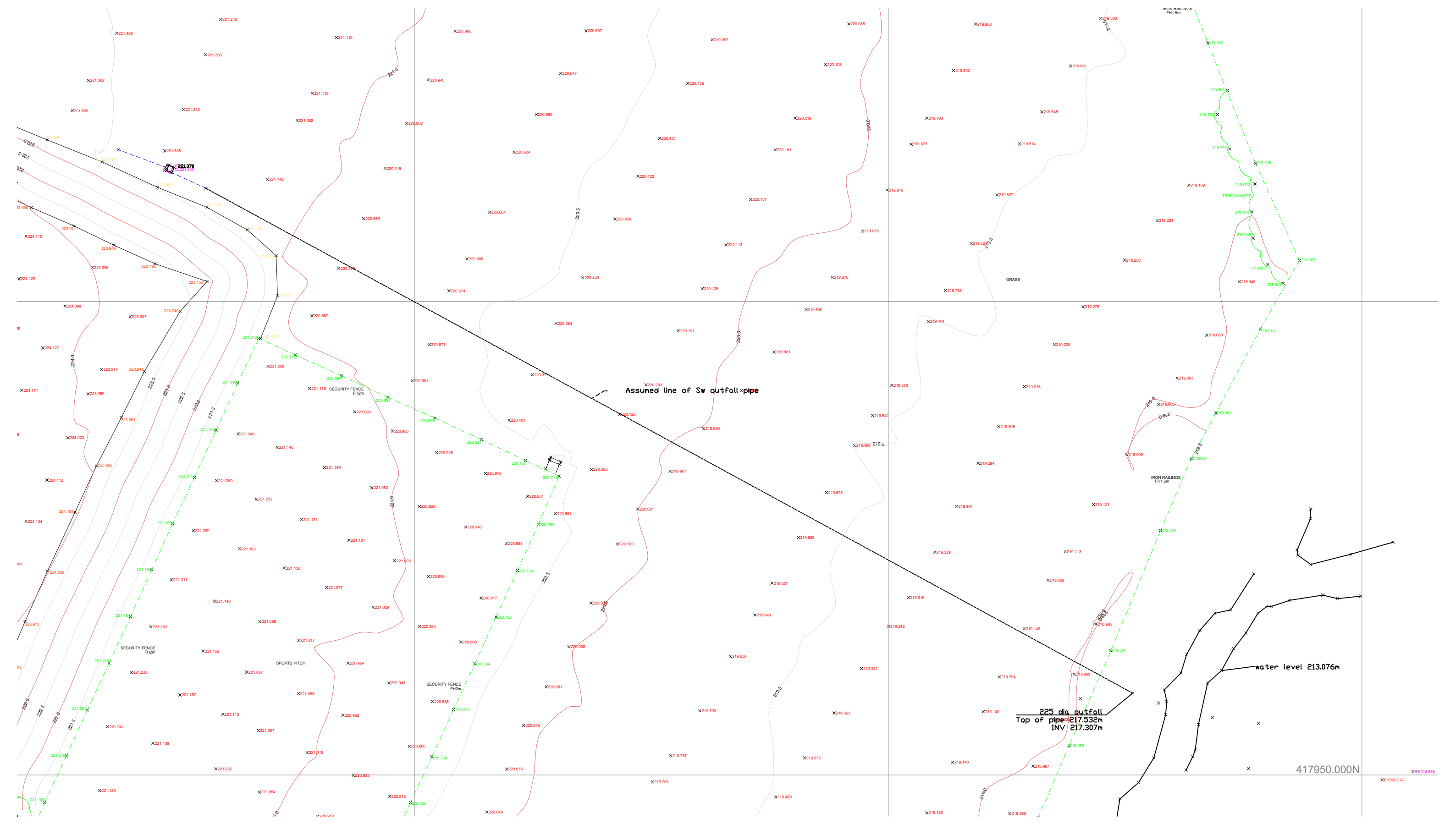
JLP Surveying Consultants Ltd.  
Suite 45 Rokeby House,  
King Street,  
Wigan,  
Warrington,  
Cheshire,  
WA1 1BB  
Tel: 01942 343113  
Fax: 01942 482228  
Mobile: 07704 428498  
Email: jlp@jlp-surveying.com

PROJECT  
Whitworth High School  
Whitworth  
Rochdale

DRAWING TITLE  
PAS 128 Utility Survey

Table with columns: SCALE, SHEET NO, No. of SHEETS, DATE, REVISION.

DRAWING NUMBER  
S20-856-1



Assumed line of Sw outfall pipe

225 dia outfall  
Top of pipe 217.532m  
INV 217.307m

water level 213.076m

417950.000N

SECURITY FENCE FH2m

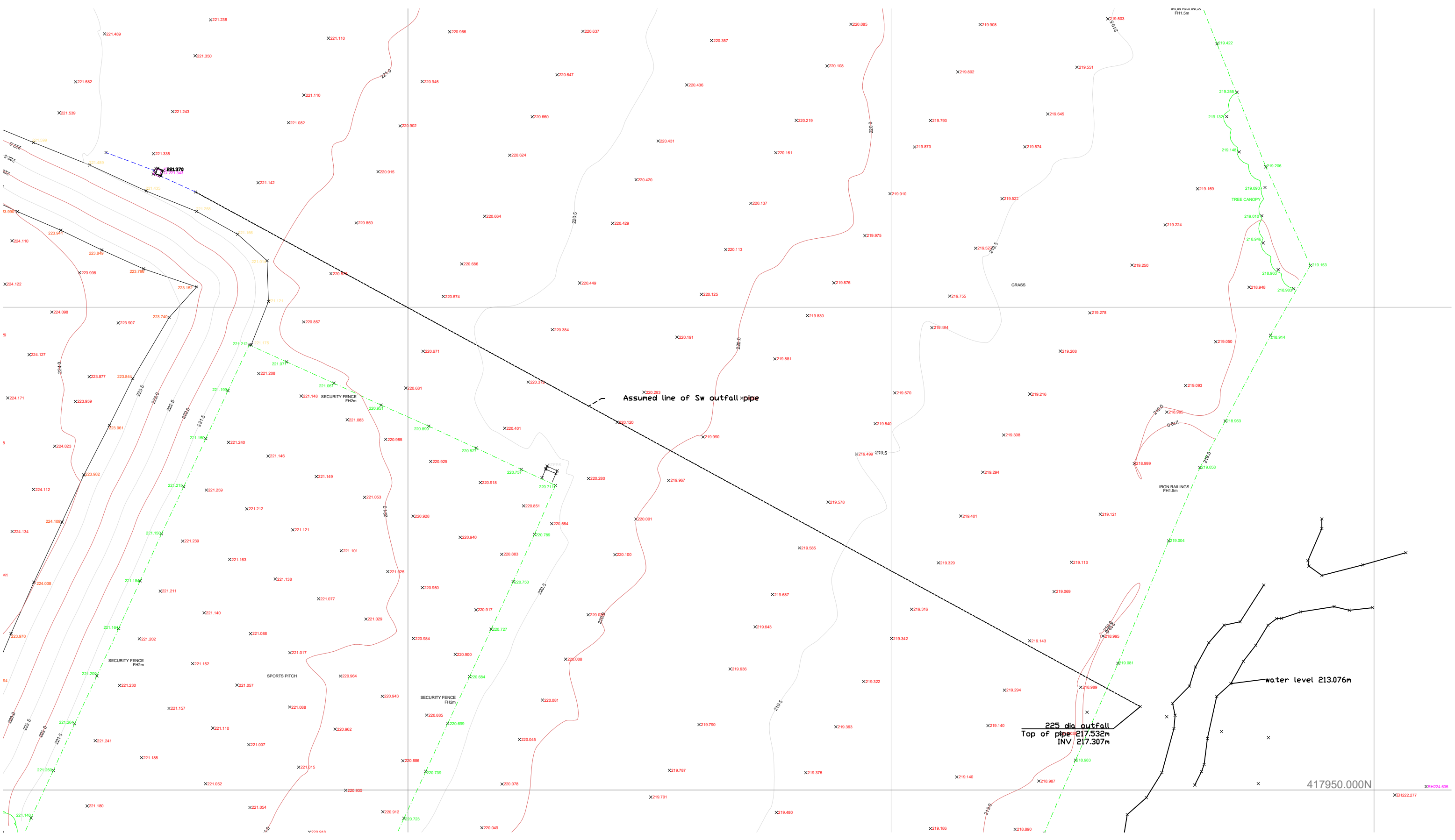
SPORTS PITCH

TREE CANOPY

GRASS

IRON RAILINGS FH1.5m

IRON RAILINGS FH1.5m



Assumed line of Sw outfall pipe

225 dia outfall  
Top of pipe 217.532m  
INV 217.307m

water level 213.076m

417950.000N

SECURITY FENCE FH2m

SPORTS PITCH

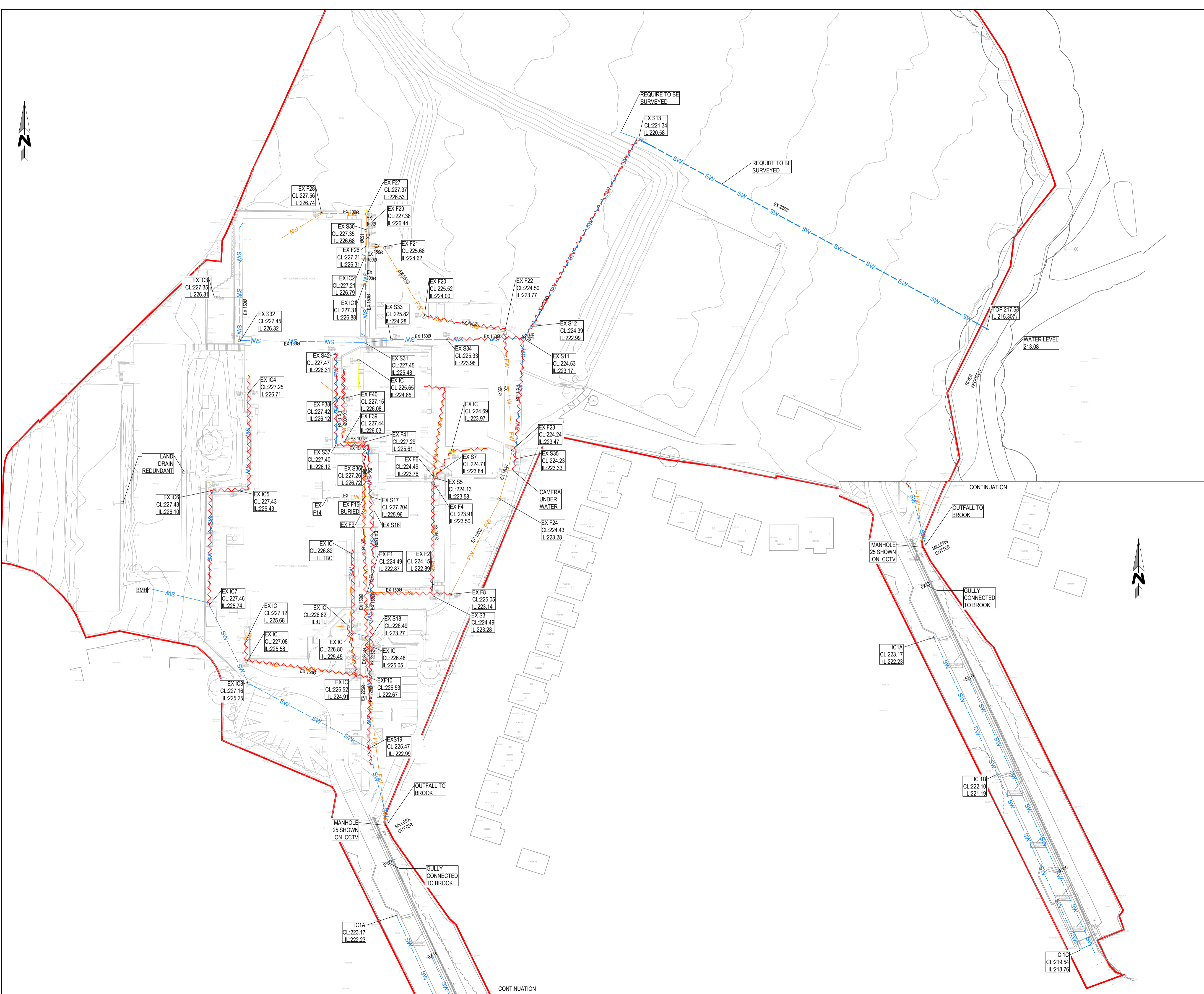
TREE CANOPY

GRASS

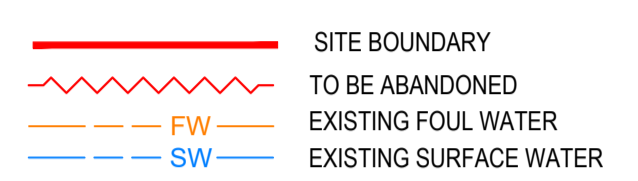
IRON RAILINGS FH1.5m

IRON RAILINGS FH1.5m





1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING WCHS-CUR-XX-00-DR-C-92505.
5. FINAL DESIGN IS SUBJECT TO CONTRACTOR'S DESIGN PORTION.
6. FURTHER CO-ORDINATION REQUIRED BETWEEN EXTERNAL SERVICES AND THE PROPOSED DRAINAGE.



- DRAWING BASED ON:
- TOPOGRAPHICAL SURVEY JLP SURVEYINGS200641-1
  - GRP SURVEY JLP SURVEYING S20-856
  - CCTV SURVEY DRAIN DOCTOR 14309 SEP 2020

ADDITIONAL SURVEY IS REQUIRED  
PIPE WHICH HAS NOT BEEN INDICATED TO BE ABANDONED REQUIRES TO BE CLEANED / REPAIRED REFER TO CCTV SURVEY REPORT

P03	ISSUED FOR PLANNING	29/04/21	MW	MW
P02	ISSUED FOR PLANNING	19/04/21	MW	MW
P01	ISSUED FOR COMMENTS- DRAFT CP	08/03/21	MW	MW
Rev	Description	Date	By	Chkd



Status: **CONTRACTORS PROPOSALS**

Project: **WHITWORTH COMMUNITY HIGH SCHOOL**

Dwg Title: **EXISTING DRAINAGE TO BE ABANDONED**

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
078126	A1	08/03/21	MW	MW	MW
Project Code:	Originator:	Volume:	Level:	Type:	Role:
WCHS - CUR - XX - 00 - DR - C -					

92504 - P03

I:\Projects\078126 - Whitworth High School\04-Production\A1-Model-Drawing\CC\078126.dwg



## Project-information / Inspection: 1

Project name :  
**31090 Whitworth Community Hig**

Contract Number :

Contact :  
**Liam**

Date :  
**22/03/2021**

Client **Wates Construction Ltd**  
 Contact : **Liam**  
 Position :  
 Town : **Hall Fold**  
 County : **Whitworth**  
 Road : **Lancashire**  
 Telephone :  
 Fax:  
 Mobile:  
 E-Mail:

Site **Whitworth Community High School**  
 Contact : **Liam**  
 Position :  
 Town : **Hall Fold**  
 County : **Whitworth**  
 Road : **Lancashire**  
 Telephone :  
 Fax:  
 Mobile:  
 E-Mail:

Contractor **Drain-Alert**  
 Contact : **Mr Stephen Ormisher**  
 Position : **Director**  
 Town : **Cripplegate Lane**  
 County : **Hoghton, Preston**  
 Road : **Lancashire**  
 Telephone : **01254 851500**  
 Fax: **01254 854004**  
 Mobile: **07973 436145**  
 E-Mail: **[service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)**



Drain-Alert  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>1</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	Whitworth High Schl Hall Fold Footpath or verge IC 1A (U/S) Branch A	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :	Branch A  IC 1A
---	---	---	--	-----------------------

Use: Year laid : Purpose : Total length :	Surface water  Sample survey to determin asset condition	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100.00 mm Vitrified clay
--	--	--	---

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey	00:00:32		(Misc) 0
	0.90	JDL	Joint displaced, large (over 1.5 times the pipe wall thickness)	00:00:50	1_2A	(Struct) 1
	0.90	FH	Finish survey Remarks: Limit of CCTV Due to Displacement	00:00:56		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	2	2.22	2	1	0	0	0	0	1



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>1</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------



Photo: 1\_2A, MPEG #: 220321\_1, 00:00:50  
0.9m, Joint displaced, large (over 1.5 times the pipe wall tickness)



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>2</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl Hall Fold Footpath or verge IC 1A (D/S) IC 1B</b>	Location details: Catchment: Tape number : Pipe length :	<b>220321_1</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>IC 1A IC 1B</b>
---	--	---	-----------------	--	------------------------

Use: Year laid : Purpose : Total length :	<b>Surface water Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular 100.00 mm Polyvinyl chloride (PVC)</b>
--	--	--	--

Comment :

1:63	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:14		(Misc) 0
	3.20	JDM	Joint displaced, medium (between 1.0 and 1.5 times the pipe wall thickness)	00:00:30	2_2A	(Struct) 1
	3.20	MC	Sewer material changes Remarks: Vitrified clay	00:00:36		(Misc) 0
	5.90	JDL	Joint displaced, large (over 1.5 times the pipe wall tickness)	00:01:06	2_4A	(Struct) 1
	6.70	JDL	Joint displaced, large (over 1.5 times the pipe wall tickness)	00:01:22	2_6A	(Struct) 1
	6.70	FH	Finish survey Remarks: Limit of CCTV Due to Displacement	00:01:28		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	2	0.75	5	1	0	0	0	0	1



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>2</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------

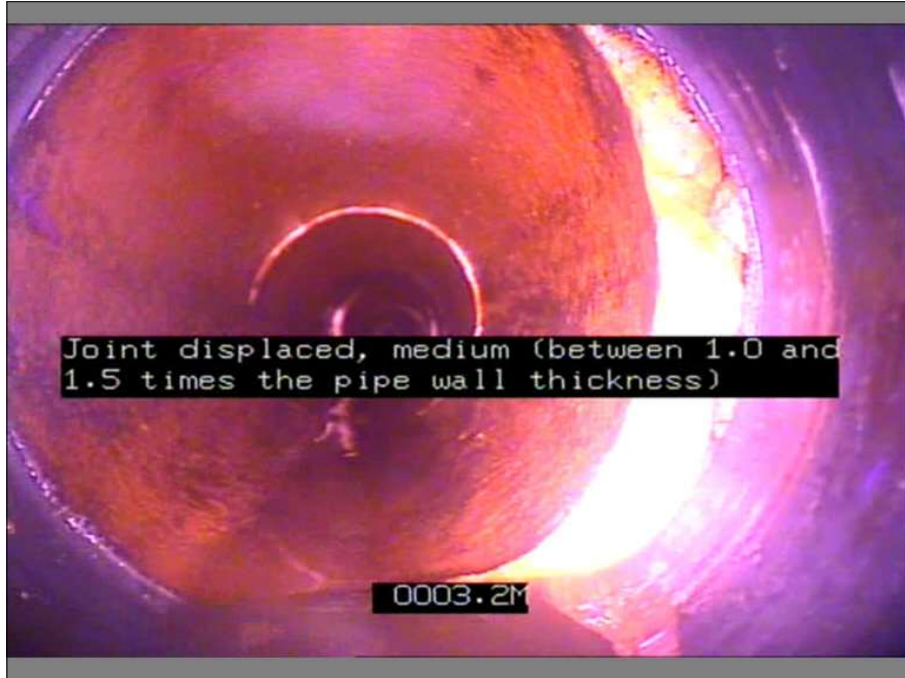


Photo: 2\_2A, MPEG #: 220321\_1, 00:00:30  
3.2m, Joint displaced, medium (between 1.0 and 1.5 times the pipe wall thickness)



Photo: 2\_4A, MPEG #: 220321\_1, 00:01:06  
5.9m, Joint displaced, large (over 1.5 times the pipe wall thickness)



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>2</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------



Photo: 2\_6A, MPEG #: 220321\_1, 00:01:22  
6.7m, Joint displaced, large (over 1.5 times the pipe wall tickness)



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>3</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 1B (D/S) IC 1C</b>	Location details: Catchment: Tape number : Pipe length :		U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>IC 1B</b>  <b>IC 1C</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :		<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>	

Comment :

1:315	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	5.80	RF	Roots, fine	00:00:45	3_2A	(Serv) 2
	9.60	RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:01:26	3_3A	(Serv) 3
	15.10	JDM	Joint displaced, medium (between 1.0 and 1.5 times the pipe wall thickness)	00:02:04	3_4A	(Struct) 1
	18.80	JDL	Joint displaced, large (over 1.5 times the pipe wall tickness)	00:02:27	3_5A	(Struct) 1
	37.60	WL	Water level, 30% of sewer height	00:04:13	3_6A	(Serv) 0
	37.60	FH	Finish survey Remarks: Limit of CCTV Due to Water Level IC 1C Ahead	00:04:20		(Misc) 0

**Structural Defects****Constructional Features****Service Defects****Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	2	0.08	3	1	2	4	0.13	5	3





Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>3</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------



Photo: 3\_2A, MPEG #: 220321\_1, 00:00:45  
5.8m, Roots, fine

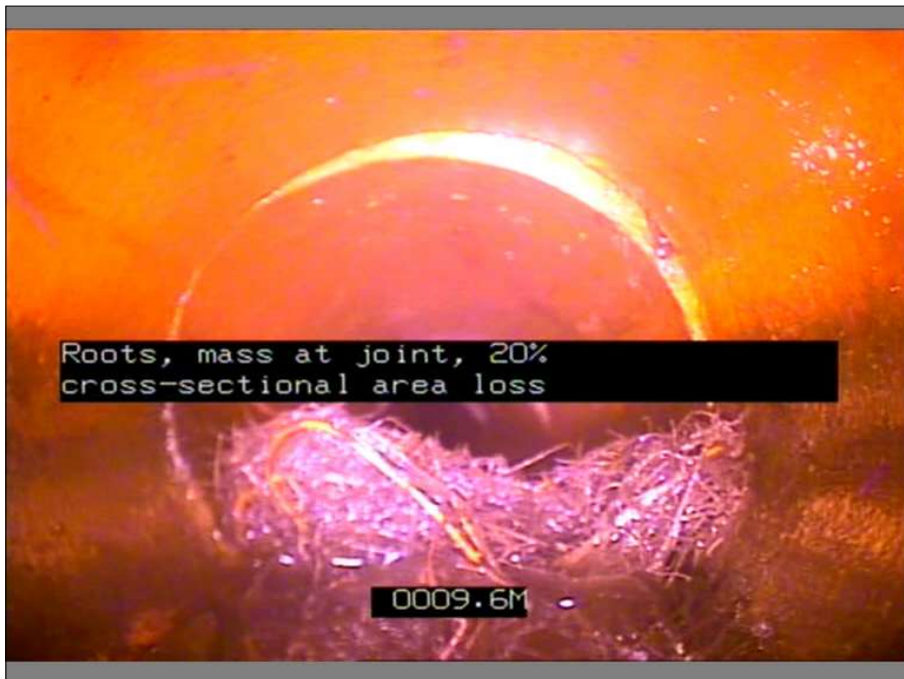


Photo: 3\_3A, MPEG #: 220321\_1, 00:01:26  
9.6m, Roots, mass at joint, 20% cross-sectional area loss



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>3</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------



Photo: 3\_4A, MPEG #: 220321\_1, 00:02:04  
15.1m, Joint displaced, medium (between 1.0 and 1.5 times the pipe wall thickness)



Photo: 3\_5A, MPEG #: 220321\_1, 00:02:27  
18.8m, Joint displaced, large (over 1.5 times the pipe wall thickness)



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>3</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------

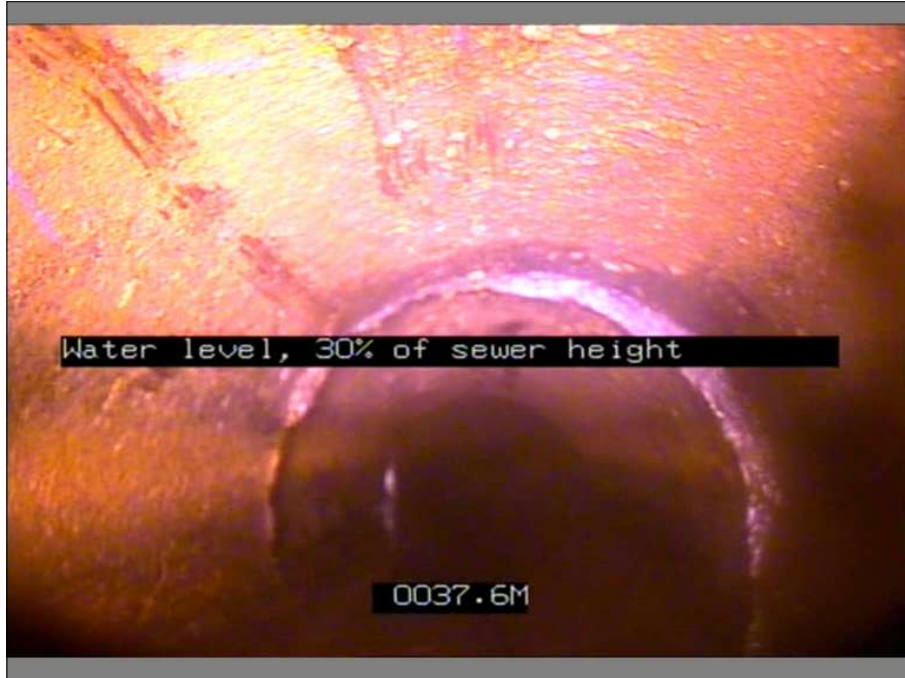


Photo: 3\_6A, MPEG #: 220321\_1, 00:04:13  
37.6m, Water level, 30% of sewer height



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>4</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>Gully A (D/S) Main Line</b>	Location details: Catchment: Tape number : <b>220321_1</b> Pipe length :	U/S MH : <b>Gully A</b> U/S Depth : D/S MH : <b>Main Line</b> D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>

Comment :

1:84	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	10.17	FH	Finish survey Remarks: Outfall	00:00:46		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>5</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Gully B</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>Gully B (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
		FH	Finish survey Remarks: Main Line	00:00:04		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>6</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Gully C</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>Gully C (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
		FH	Finish survey Remarks: Main Line	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

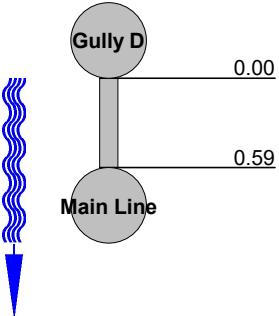
## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>7</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Gully D</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>Gully D (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
						
	0.00	ST	Start of survey			(Misc) 0
	0.59	FH	Finish survey Remarks: Main Line	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>22/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>8</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl Hall Fold Footpath or verge Gully E (D/S) Main Line</b>	Location details: Catchment: Tape number : Pipe length :	<b>220321_1</b>	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>Gully E Main Line</b>
Use: Year laid : Purpose : Total length :	<b>Surface water Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular 100.00 mm Vitrified clay</b>		

Comment :

1:84	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	0.70	JN	Junction, at 9 o'clock, 150mm diameter Remarks: Gully B,C,D Line	00:00:06		(Constr) 0
	1.18	LR	Line of sewer deviates right	00:00:13		(Serv) 0
	8.04	JN	Junction, at 3 o'clock, 100mm diameter Remarks: Unknown	00:00:34		(Constr) 0
	10.05	FH	Finish survey Remarks: Main Sewer 225mm	00:00:00		(Misc) 0

## Structural Defects

## Constructional Features

## Service Defects

## Miscellaneous Features

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	1	0	0	0	0	1





**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>9</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 1C</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Gully E</b>
Inspection <b>IC 1C (D/S) Gully E</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>150.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	0.80	DE	Debris, 25% cross-sectional area loss Remarks: Hard Concrete	00:00:39	9_2A	(Serv) 4
	0.80	FH	Finish survey Remarks: Limit of CCTV Due to Obstruction	00:00:46		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	1	5	6.25	5	5



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>9</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	------------------------------	--------------------------

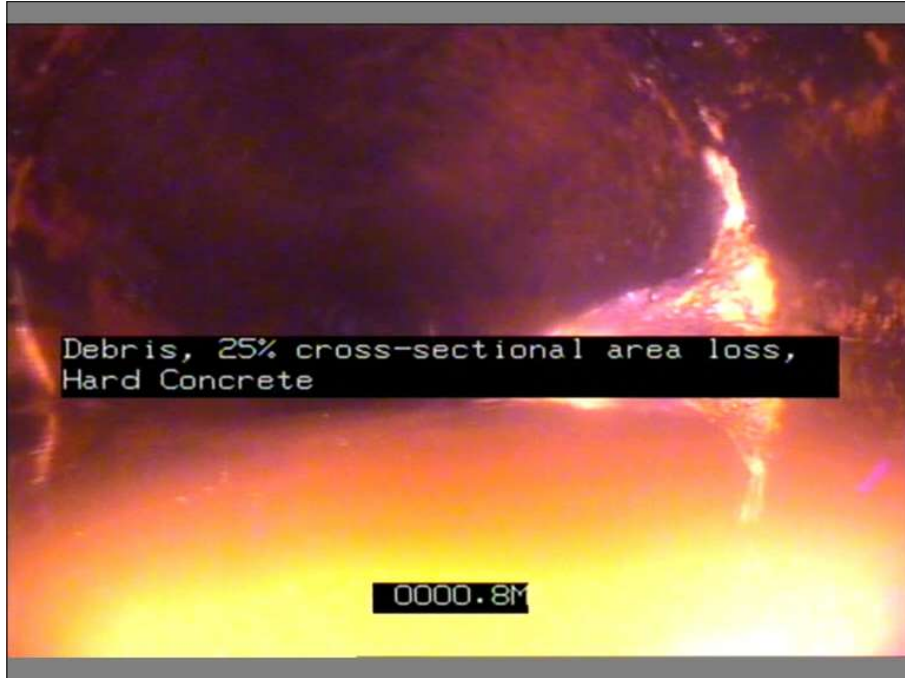


Photo: 9\_2A, MPEG #: 220321\_1, 00:00:39  
0.8m, Debris, 25% cross-sectional area loss



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>10</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>F10 (D/S) F25</b>	Location details: Catchment: Tape number : Pipe length :		U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>F10</b>  <b>F25</b>
---	--	---	--	--	------------------------------

Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular</b> <b>150.00 mm</b> <b>Vitrified clay</b>
--	---	--	--

Comment :

1:336	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:12		(Misc) 0
	42.10	JDL	Joint displaced, large (over 1.5 times the pipe wall thickness)	00:05:22	10_2A	(Struct) 1
	42.10	MC	Sewer material changes Remarks: Cast iron	00:05:29		(Misc) 0
	42.10	FH	Finish survey Remarks: Limit of CCTV Due to Displacement F25 Ahead Assumed United Utilities Main S	00:05:35		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	2	0.05	2	1	0	0	0	0	1



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>10</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------



Photo: 10\_2A, MPEG #: 220321\_1, 00:05:22  
42.1m, Joint displaced, large (over 1.5 times the pipe wall tickness)



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>11</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Tractor</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>S19 (D/S) Outfall</b>	Location details: Catchment: Tape number : Pipe length :	<b>220321_1</b>   	U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>S19</b>  <b>Outfall</b>  
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular</b> <b>225.00 mm</b> <b>Vitrified clay</b>  		

Comment :

1:168	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	1.20	CL	Crack, longitudinal, at 12 o'clock	00:00:32	11_2A	(Struct) 2
	1.80	JN	Junction, at 2 o'clock, 150mm diameter	00:00:42		(Constr) 0
	1.80	CM	Cracks, multiple, from 12 to 12 o'clock	00:00:48	11_4A	(Struct) 3
	20.60	JDL	Joint displaced, large (over 1.5 times the pipe wall thickness)	00:02:41	11_5A	(Struct) 1
	20.60	DE	Debris, 30% cross-sectional area loss Remarks: Stones	00:02:48		(Serv) 4
	20.60	FH	Finish survey Remarks: Limit of CCTV Due to Displacement Outfall Ahead	00:02:54		(Misc) 0

**Structural Defects**
**Constructional Features**
**Service Defects**
**Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	40	2.52	52	3	1	5	0.24	5	4



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>11</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------

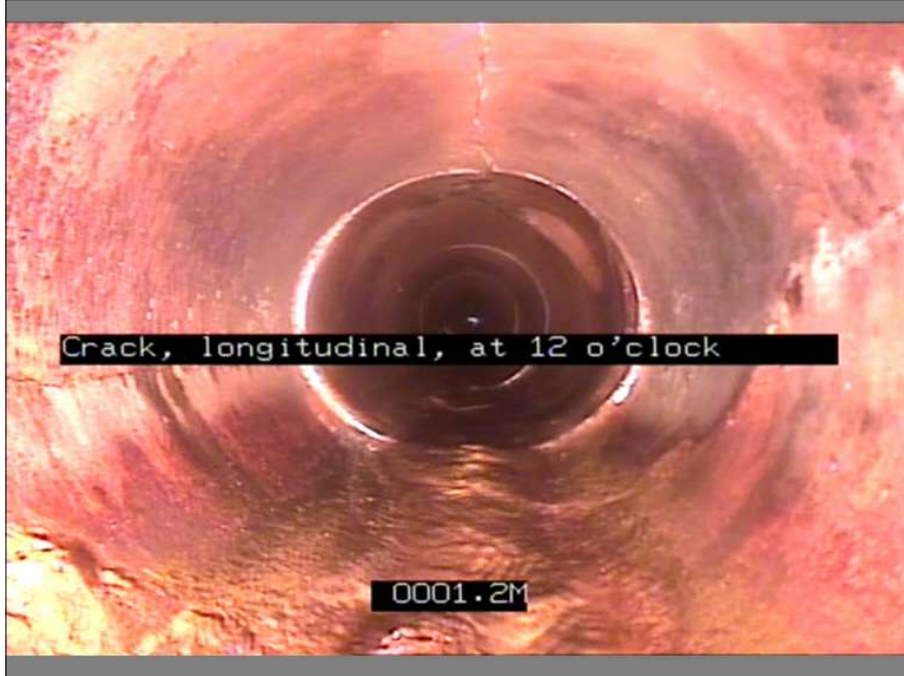


Photo: 11\_2A, MPEG #: 220321\_1, 00:00:32  
1.2m, Crack, longitudinal, at 12 o'clock

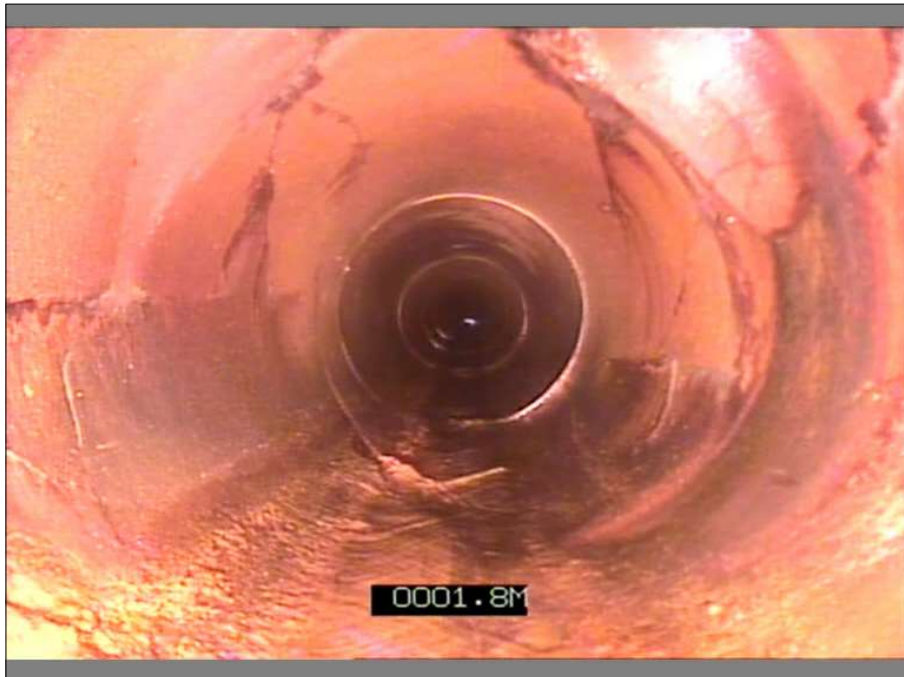


Photo: 11\_4A, MPEG #: 220321\_1, 00:00:48  
1.8m, Cracks, multiple, from 12 to 12 o'clock



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>11</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------



Photo: 11\_5A, MPEG #: 220321\_1, 00:02:41  
20.6m, Joint displaced, large (over 1.5 times the pipe wall tickness)



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>12</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Tractor</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>F25</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>F25 (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>225.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Cast iron</b>
Total length :	Lining :

Comment :

1:483	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	60.10	MH	Manhole Remarks: Off Site Manhole	00:05:28		(Constr) 0
	60.10	FH	Finish survey Remarks: Boundary Line Covered	00:05:34		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1





**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>13</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 1 (U/S) Branch A</b>	Location details: Catchment: Tape number : Pipe length :	<b>Branch A</b> U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>

Comment :

1:63	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	3.07	JN	Junction, at 9 o'clock, 100mm diameter	00:00:14		(Constr) 0
	5.08	JN	Junction, at 3 o'clock, 100mm diameter	00:00:21		(Constr) 0
	5.79	JN	Junction, at 9 o'clock, 100mm diameter	00:00:25		(Constr) 0
	6.50	FH	Finish survey Remarks: Internal Rest Bend	00:00:30		(Misc) 0

**Structural Defects****Constructional Features****Service Defects****Miscellaneous Features**

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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>14</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 1 (D/S) F26</b>	Location details: Catchment: Tape number : Pipe length :			U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Foul</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :			<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>

Comment :

1:105	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	1.53	DC	Dimension of sewer changes, new (vertical) diameter 150mm	00:00:11		(Misc) 0
	9.34	JN	Junction, at 12 o'clock, 100mm diameter Remarks: IC 2	00:00:33		(Constr) 0
	11.04	FH	Finish survey Remarks: F26	00:00:48		(Misc) 0

**Structural Defects****Constructional Features****Service Defects****Miscellaneous Features**

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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>15</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch A</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 2</b>
Inspection <b>IC 2 (U/S) Branch A</b>	Pipe length :	D/S Depth :

Use: <b>Foul</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:84	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	5.55	JN	Junction, at 3 o'clock, 100mm diameter	00:00:19		(Constr) 0
	6.86	JN	Junction, at 3 o'clock, 100mm diameter	00:00:23		(Constr) 0
	8.51	FH	Finish survey Remarks: Internal Rest Bend	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>23/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>16</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 2</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>IC 2 (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Foul</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
		FH	Finish survey Remarks: Main Line	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



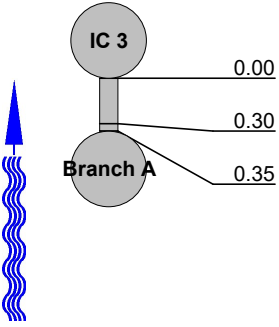
**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>17</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 3 (U/S) Branch A</b>	Location details: Catchment: Tape number : Pipe length :		U/S MH : U/S Depth : D/S MH : D/S Depth :	<b>Branch A</b>  <b>IC 3</b>
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :		<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>	

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
	0.30	DC	Dimension of sewer changes, new (vertical) diameter 80mm	00:00:07		(Misc) 0
	0.35	FH	Finish survey Remarks: Land Drain	00:00:07		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>18</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch B</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 3</b>
Inspection <b>IC 3 (U/S) Branch B</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
		FH	Finish survey Remarks: Gully/Aco	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>19</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrac</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 3</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>Main Line</b>
Inspection <b>IC 3 (D/S) Main Line</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:63	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	6.74	FH	Finish survey Remarks: Main Line	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>20</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch A</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 4</b>
Inspection <b>IC 4 (U/S) Branch A</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	0.35	FH	Finish survey Remarks: Land Drain Catch Piit	00:00:10		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1





**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>21</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch B</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 4</b>
Inspection <b>IC 4 (U/S) Branch B</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Vitrified clay</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
	3.90	EH	Encrustation, heavy, from 12 to 12 o'clock, 50% cross-sectional area loss	00:00:28	21_2A	(Serv) 4
	3.90	FH	Finish survey Remarks: Limit of CCTV	00:00:28		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

### Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>21</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------



Photo: 21\_2A, MPEG #: 220321\_1, 00:00:28  
3.9m, Encrustation, heavy, from 12 to 12 o'clock, 50% cross-sectional area loss



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>22</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 4</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 5</b>
Inspection <b>IC 4 (D/S) IC 5</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Pitch fibre</b>
Total length :	Lining :

Comment :

1:231	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	5.79	JN	Junction, at 9 o'clock, 100mm diameter	00:00:36		(Constr) 0
	12.18	JN	Junction, at 9 o'clock, 100mm diameter	00:01:00		(Constr) 0
	14.66	JN	Junction, at 9 o'clock, 100mm diameter	00:01:09		(Constr) 0
	16.55	JN	Junction, at 9 o'clock, 100mm diameter	00:01:15		(Constr) 0
	24.23	JN	Junction, at 9 o'clock, 100mm diameter	00:01:41		(Constr) 0
	27.75	FH	Finish survey Remarks: IC 5	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>23</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrac</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 5 (U/S) Branch B</b>	Location details: Catchment: Tape number : Pipe length :	<b>Branch B</b> U/S Depth : <b>IC 5</b> D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	<b>Surface water</b>  <b>Sample survey to determin asset condition</b>	Pipe shape : Pipe size : Pipe material : Lining :	<b>Circular</b> <b>100.00 mm</b> <b>Vitrified clay</b>

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	0.59	JN	Junction, at 3 o'clock, 100mm diameter	00:00:04		(Constr) 0
	2.48	FH	Finish survey Remarks: Gully/RWP	00:00:15		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>24</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 5</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 6</b>
Inspection <b>IC 5 (D/S) IC 6</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Pitch fibre</b>
Total length :	Lining :

Comment :

1:105	Position	Code	Observation	MPEG	Photo	Grade
		ST	Start of survey			(Misc) 0
		FH	Finish survey Remarks: IC 6	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>25</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch A</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 6</b>
Inspection <b>IC 6 (U/S) Branch A</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Polyvinyl chloride (PVC)</b>
Total length :	Lining :

Comment :

1:50	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	0.11	FH	Finish survey Remarks: Land Drain Catch Pit	00:00:00		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



Drain-Alert  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>26</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 6</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 7</b>
Inspection <b>IC 6 (D/S) IC 7</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>100.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Pitch fibre</b>
Total length :	Lining :

Comment :

1:273	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	18.09	JN	Junction, at 9 o'clock, 100mm diameter	00:00:49		(Constr) 0
	23.97	JN	Junction, at 9 o'clock, 100mm diameter	00:01:04		(Constr) 0
	32.09	MC	Sewer material changes Remarks: Vitrified clay	00:01:36		(Misc) 0
	33.43	FH	Finish survey Remarks: IC 7	00:01:50		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>27</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P350 Flexitrax</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>Branch A</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 7</b>
Inspection <b>IC 7 (U/S) Branch A</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>150.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Pitch fibre</b>
Total length :	Lining :

Comment :

1:63	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey			(Misc) 0
	7.45	FH	Finish survey Remarks: Buried Manhole	00:00:39		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1





**Drain-Alert**  
 Cripplegate Lane  
 Hoghton, Preston  
 Tel: 01254 851500  
 Fax: 01254 854004  
 Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>28</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : <b>Whitworth High Schl</b>	Location details:	U/S MH : <b>IC 7</b>
Road : <b>Hall Fold</b>	Catchment:	U/S Depth :
Location <b>Footpath or verge</b>	Tape number : <b>220321_1</b>	D/S MH : <b>IC 8</b>
Inspection <b>IC 8 (U/S) IC 7</b>	Pipe length :	D/S Depth :

Use: <b>Surface water</b>	Pipe shape : <b>Circular</b>
Year laid :	Pipe size : <b>150.00 mm</b>
Purpose : <b>Sample survey to determin asset condition</b>	Pipe material : <b>Pitch fibre</b>
Total length :	Lining :

Comment :

1:210	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	5.80	JN	Junction, at 3 o'clock, 100mm diameter	00:00:35		(Constr) 0
	12.10	JN	Junction, at 3 o'clock, 100mm diameter	00:00:56		(Constr) 0
	24.80	FH	Finish survey Remarks: IC 7	00:01:35		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
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	1	0	0	0	0	1



Drain-Alert  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: service@drain-alert.co.uk

## Inspection report / Inspection: 1

Date : <b>24/03/2021</b>	Job number : <b>31090</b>	Weather : <b>Dry</b>	Sewer category:	Section number : <b>29</b>	PLR suffix : <b>X</b>
Present :	Vehicle : <b>PK65 HFB</b>	Camera : <b>P235 Flexi-rod</b>	Preset :	Cleaned : <b>yes</b>	Operator : <b>L Hilton</b>

Place : Road : Location Inspection	<b>Whitworth High Schl</b> <b>Hall Fold</b> <b>Footpath or verge</b> <b>IC 8 (D/S) S19</b>	Location details: Catchment: Tape number : <b>220321_1</b> Pipe length :	U/S MH : <b>IC 8</b> U/S Depth : D/S MH : <b>S19</b> D/S Depth :
---	---	---	---

Use: <b>Surface water</b> Year laid : Purpose : <b>Sample survey to determin asset condition</b> Total length :	Pipe shape : <b>Circular</b> Pipe size : <b>150.00 mm</b> Pipe material : <b>Vitrified clay</b> Lining :
--	---

Comment :

1:294	Position	Code	Observation	MPEG	Photo	Grade
	0.00	ST	Start of survey	00:00:13		(Misc) 0
	9.10	JN	Junction, at 9 o'clock, 100mm diameter	00:00:43		(Constr) 0
	10.90	JN	Junction, at 9 o'clock, 100mm diameter	00:00:54		(Constr) 0
	25.10	MC	Sewer material changes Remarks: Cast iron	00:01:33		(Misc) 0
	32.00	MC	Sewer material changes Remarks: Vitrified clay	00:02:02		(Misc) 0
	32.00	JN	Junction, at 9 o'clock, 100mm diameter	00:02:08		(Constr) 0
	37.10	JDL	Joint displaced, large (over 1.5 times the pipe wall thickness)	00:02:32	29_7A	(Struct) 1
	37.10	FH	Finish survey Remarks: Limit of CCTV Due to Displacement S19 Ahead	00:02:38		(Misc) 0

<b>Structural Defects</b>					<b>Constructional Features</b>				
<b>Service Defects</b>					<b>Miscellaneous Features</b>				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	2	0.05	2	1	0	0	0	0	1



**Drain-Alert**  
Cripplegate Lane  
Hoghton, Preston  
Tel: 01254 851500  
Fax: 01254 854004  
Email: [service@drain-alert.co.uk](mailto:service@drain-alert.co.uk)

## Inspection pictures / Inspection: 1

Place : <b>Whitworth High Schl</b>	Road : <b>Hall Fold</b>	Date : <b>22/03/2021</b>	Section number : <b>29</b>	PLR suffix : <b>X</b>
---------------------------------------	----------------------------	-----------------------------	-------------------------------	--------------------------

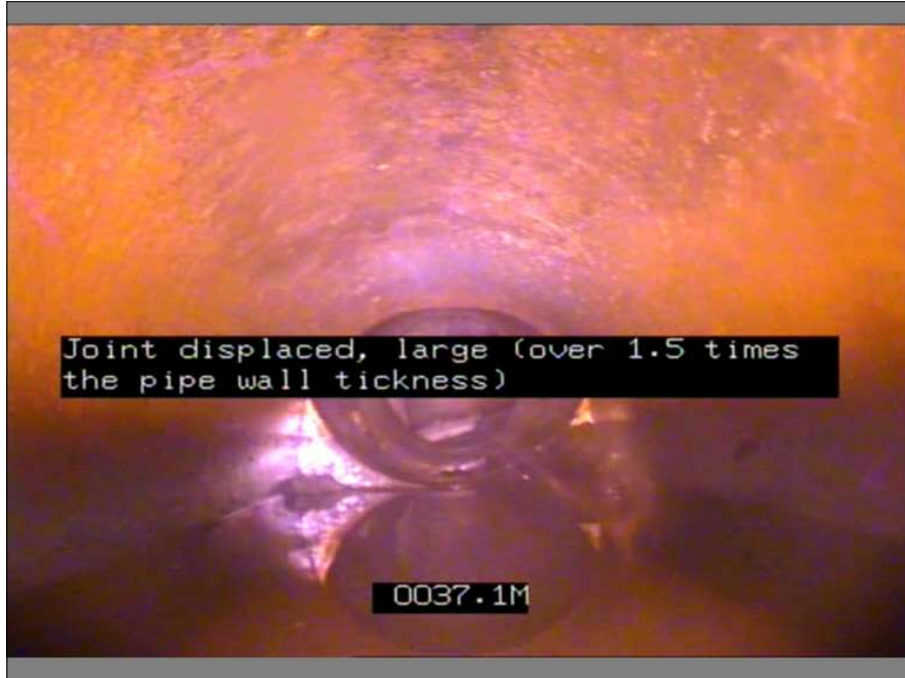


Photo: 29\_7A, MPEG #: 220321\_1, 00:02:32  
37.1m, Joint displaced, large (over 1.5 times the pipe wall tickness)