



Project

Project Name: Chapel Memorial Park Chapel-en-le-Frith 141020
Project Description: WinCan Import in Miraculix Standard
Project Status: Complete
Project Date: 15/10/2020
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)



Table of Contents

Project Name	Project Number	Project Date
Chapel Memorial Park Chapel-en-le-Frith 141020		15/10/2020

Project Information	P-1
Section: 1; m/h muga > End (m/h mugaX)	1
Section: 2; End > m/h muga (EndY)	3
Section: 3; steps dias > M/H 1 (steps diasX)	5
Section: 4; defect > m/h 1 (defectX)	7
Section: 5; m/h 1 > m/h 3 (m/h 1X)	10
Section: 6; m/h 2 > m/h 3 (m/h 2X)	12
Section: 7; m/h 3 > culvert (m/h 3Y)	14
Section: 8; m/h 3 > culvert (m/h 3X)	16
Section: 9; End > m/h 2 (EndX)	18
Section: 10; M/HBG > main sewer (M/HBGX)	24

Project Information

Project Name	Project Number	Project Date
Chapel Memorial Park Chapel-en-le-Frith 141020		15/10/2020

Client

Company: Chapel Parish Council
Contact: Phil Brown
Department: Town Hall
Street: Market Street
Town or City: Chapel-en-le-Frith
County: High Peak

Site

Company: Chapel Parish Council
Description: Chapel Memorial Park
Contact: Phil Brown
Street: Rowton Grange Road
Town or City: Chapel-en-le-Frith
County: High Peak

Contractor

Company: County Drains Ltd
Contact: Elspeth Holliday
Street: 49 Burlow Road
Town or City: Buxton
County: Derbyshire
Post Code: SK17 9HY
Phone: 01298 23921
Fax: 01298 23928
Email: enquiries@countydrains.com

Project Information

Project Name	Project Number	Project Date
Chapel Memorial Park Chapel-en-le-Frith 141020		15/10/2020

Project Notes

Summary

Section 1 - Manhole MUGA Downstream to End of Pipe. Defects along length surveyed.

Section 2 - Manhole MUGA Upstream to End of Pipe. Defects along length surveyed.

Section 3 - Manhole 1 Upstream to Steps. Defects along length surveyed.

Section 4 - Manhole 1 Upstream to Defect. Defects along length surveyed.

Section 5 - Manhole 1 Downstream Manhole 3. Defects along length surveyed.

Section 6 - Manhole 3 Upstream to Manhole 2. Defects along length surveyed.

Section 7 - Manhole 3 Downstream to Culvert. Defects along length surveyed.

Section 8 - Manhole 3 Downstream to Culvert. Defects along length surveyed.

Section 9 - Manhole 2 Upstream to End of Pipe. Defects along length surveyed.

Section 10 - Manhole BG Downstream to Main Sewer. No defects found.

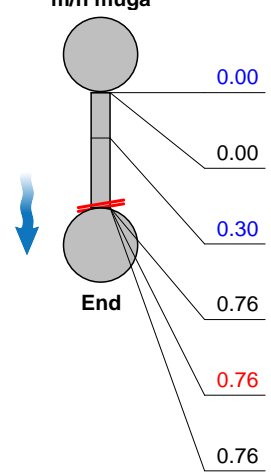
Section Inspection - 14/10/2020 - m/h mugaX

Section 1	Inspection 1	Date 14/10/20	Time 8:56	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H MUGAX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Downstream	Upstream Node:	M/H MUGA
Road:	Rowton Grange Rd	Inspected Length:	0.91 m	Upstream Pipe Depth:	0.750 m
Location:	Fields, farmland etc	Total Length:	0.76 m	Downstream Node:	END
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.750 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																										
<div style="display: flex; align-items: center;"> <div style="width: 20%;"> <p>Depth: 0.75 m</p> <p>m/h muga</p>  <p>End</p> <p>Depth: 0.75 m</p> </div> <table border="1" style="width: 80%; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">CP</td> <td>Start node type, catchpit, reference number: m/h muga</td> <td style="text-align: center;">00:00:07</td> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">WL</td> <td>Water level, 0% % of the vertical dimension</td> <td style="text-align: center;">00:00:15</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.30</td> <td style="text-align: center;">MCXI</td> <td>Pipe material changes to an unidentified type of plastic at this point: Change to land drain</td> <td style="text-align: center;">00:00:44</td> <td style="text-align: center;">2</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.76</td> <td style="text-align: center;">WLC</td> <td>Clear water level, 90% of the vertical dimension</td> <td style="text-align: center;">00:01:24</td> <td style="text-align: center;">3</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.76</td> <td style="text-align: center;">D</td> <td>Deformed sewer or drain, 25%</td> <td style="text-align: center;">00:01:45</td> <td style="text-align: center;">4</td> <td></td> <td style="text-align: center;">4 / 4</td> </tr> <tr> <td style="text-align: right;">0.76</td> <td style="text-align: center;">SA</td> <td>Survey abandoned: No Further Access</td> <td style="text-align: center;">00:01:45</td> <td style="text-align: center;">5</td> <td></td> <td></td> </tr> </table> </div>								0.00	CP	Start node type, catchpit, reference number: m/h muga	00:00:07	1			0.00	WL	Water level, 0% % of the vertical dimension	00:00:15				0.30	MCXI	Pipe material changes to an unidentified type of plastic at this point: Change to land drain	00:00:44	2			0.76	WLC	Clear water level, 90% of the vertical dimension	00:01:24	3			0.76	D	Deformed sewer or drain, 25%	00:01:45	4		4 / 4	0.76	SA	Survey abandoned: No Further Access	00:01:45	5		
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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
1	80.0	87.7	80.0	4.0	1	5.0	5.5	5.0	5.0

Section Pictures - 14/10/2020 - m/h mugaX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	M/H MUGAX	Chapel Park	Chapel Park



1, 00:00:07, 0.00 m
 Start node type, catchpit, reference number: m/h muga



2, 00:00:44, 0.30 m
 Pipe material changes to an unidentified type of plastic at this point



3, 00:01:24, 0.76 m
 Clear water level, 90% of the vertical dimension



4, 00:01:45, 0.76 m
 Deformed sewer or drain, 25%



5, 00:01:45, 0.76 m
 Survey abandoned

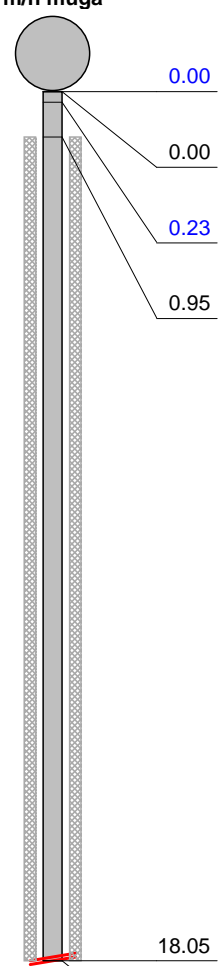
Section Inspection - 14/10/2020 - EndY

Section 2	Inspection 2	Date 14/10/20	Time 9:02	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR ENDY
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Upstream	Upstream Node:	END
Road:	Rowton Grange Rd	Inspected Length:	18.05 m	Upstream Pipe Depth:	0.400 m
Location:	Fields, farmland etc	Total Length:	18.05 m	Downstream Node:	M/H MUGA
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.700 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:157	Position [m]	Code	Observation	MPEG	Photo	Grade																														
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: 0.70 m m/h muga</p>  </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: left;">CP</td> <td>Start node type, catchpit, reference number: m/h muga</td> <td style="text-align: right;">00:00:03</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: left;">WL</td> <td>Water level, 0% % of the vertical dimension</td> <td style="text-align: right;">00:00:06</td> <td></td> </tr> <tr> <td style="text-align: right;">0.23</td> <td style="text-align: left;">MCXI</td> <td>Pipe material changes to an unidentified type of plastic at this point: Change to Land Drain</td> <td style="text-align: right;">00:00:26</td> <td style="text-align: right;">2</td> </tr> <tr> <td style="text-align: right;">0.95</td> <td style="text-align: left;">S01 CUW</td> <td>Loss of vision, camera under water, start</td> <td style="text-align: right;">00:00:53</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="text-align: right;">18.05</td> <td style="text-align: left;">F01 CUW</td> <td>Loss of vision, camera under water, finish</td> <td style="text-align: right;">00:02:03</td> <td></td> </tr> <tr> <td style="text-align: right;">18.05</td> <td style="text-align: left;">SA</td> <td>Survey abandoned: End of Land Drain</td> <td style="text-align: right;">00:02:07</td> <td style="text-align: right;">4</td> </tr> </table> </div>								0.00	CP	Start node type, catchpit, reference number: m/h muga	00:00:03	1	0.00	WL	Water level, 0% % of the vertical dimension	00:00:06		0.23	MCXI	Pipe material changes to an unidentified type of plastic at this point: Change to Land Drain	00:00:26	2	0.95	S01 CUW	Loss of vision, camera under water, start	00:00:53	3	18.05	F01 CUW	Loss of vision, camera under water, finish	00:02:03		18.05	SA	Survey abandoned: End of Land Drain	00:02:07	4
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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 Pictures - 14/10/2020 - EndY

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	ENDY	Chapel Park	Chapel Park



1, 00:00:03, 0.00 m
 Start node type, catchpit, reference number: m/h muga



2, 00:00:26, 0.23 m
 Pipe material changes to an unidentified type of plastic at this point



3, 00:00:53, 0.95 m
 Loss of vision, camera under water, start

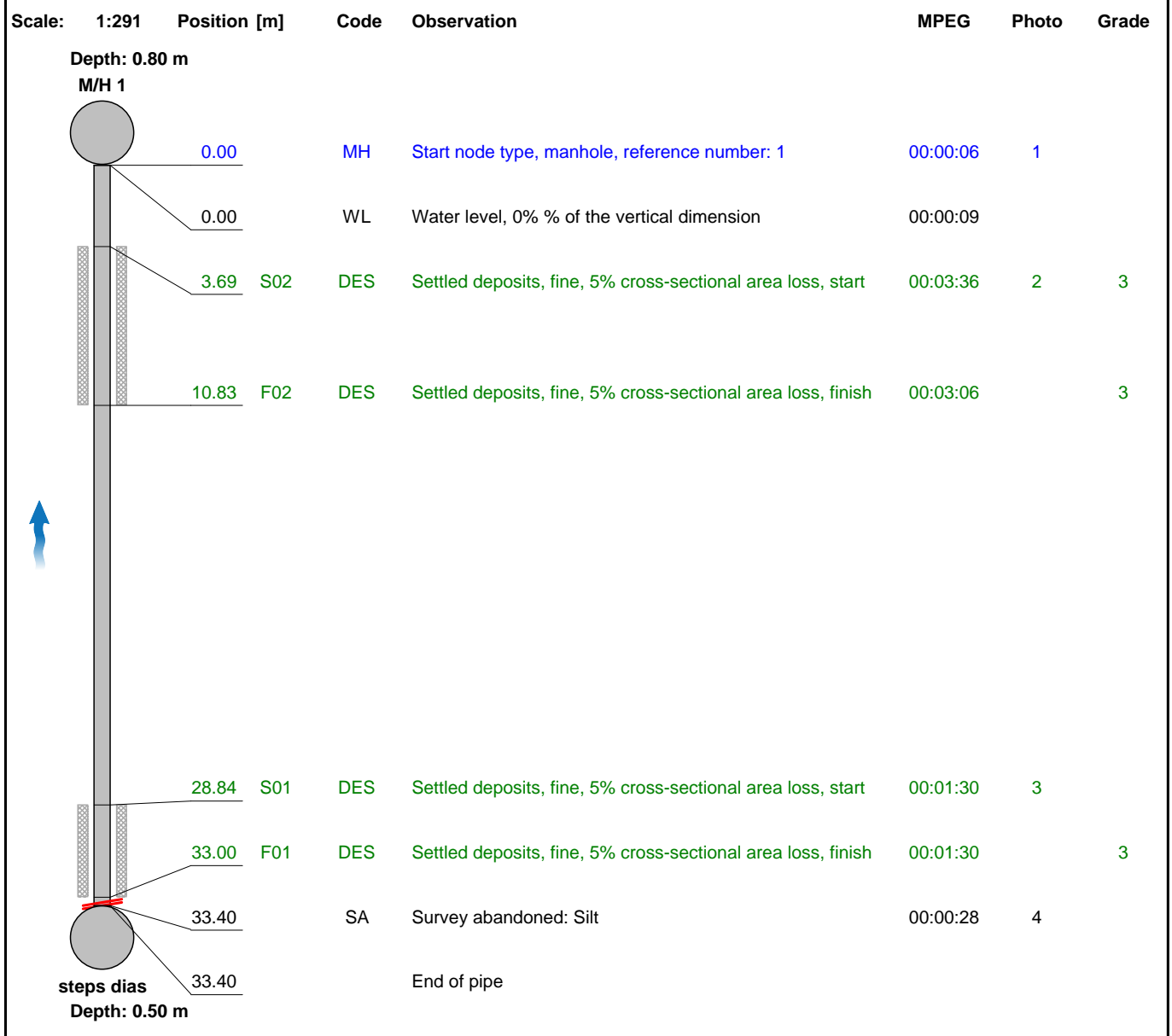


4, 00:02:07, 18.05 m
 Survey abandoned

Section Inspection - 14/10/2020 - steps diasX

Section 3	Inspection 3	Date 14/10/20	Time 9:36	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR STEPS DIASX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Upstream	Upstream Node:	STEPS DIAS
Road:	Rowton Grange Rd	Inspected Length:	33.40 m	Upstream Pipe Depth:	0.500 m
Location:	Fields, farmland etc	Total Length:	33.40 m	Downstream Node:	M/H 1
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.800 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	survey in reverse				
Recommendations:					



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	3	2.0	0.4	14.0	3.0

Section Pictures - 14/10/2020 - steps diasX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	STEPS DIASX	Chapel Park	Chapel Park



1, 00:00:06, 0.00 m
 Start node type, manhole, reference number: 1



2, 00:03:36, 3.69 m
 Settled deposits, fine, 5% cross-sectional area loss, start



3, 00:01:30, 28.84 m
 Settled deposits, fine, 5% cross-sectional area loss, start

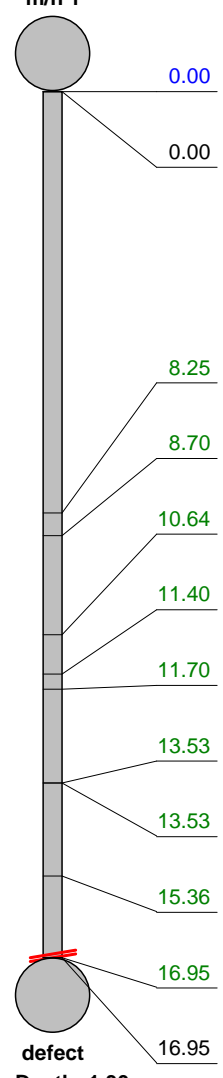


4, 00:00:28, 33.40 m
 Survey abandoned

Section Inspection - 14/10/2020 - defectX

Section 4	Inspection 4	Date 14/10/20	Time 9:53	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR DEFECTX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Upstream	Upstream Node:	DEFECT
Road:	Rowton Grange Rd	Inspected Length:	17.60 m	Upstream Pipe Depth:	1.300 m
Location:	Fields, farmland etc	Total Length:	16.95 m	Downstream Node:	M/H 1
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	1.300 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	survey in reverse				
Recommendations:					

Scale:	1:148	Position [m]	Code	Observation	MPEG	Photo	Grade																																																																																				
<div style="display: flex; align-items: center;"> <div style="width: 20%;"> <p>Depth: 1.30 m m/h 1</p>  </div> <table border="1" style="width: 80%; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">MH</td> <td>Start node type, manhole, reference number: 1</td> <td style="text-align: right;">00:00:04</td> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">WL</td> <td>Water level, 10% % of the vertical dimension</td> <td style="text-align: right;">00:00:06</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">8.25</td> <td style="text-align: center;">DEE</td> <td>Attached deposits, encrustation from 7 o'clock to 10 o'clock, 5% cross-sectional area loss</td> <td style="text-align: right;">00:01:56</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">8.70</td> <td style="text-align: center;">DEE</td> <td>Attached deposits, encrustation from 7 o'clock to 9 o'clock, 20% cross-sectional area loss</td> <td style="text-align: right;">00:01:47</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">10.64</td> <td style="text-align: center;">DEE</td> <td>Attached deposits, encrustation from 3 o'clock to 7 o'clock, 15% cross-sectional area loss</td> <td style="text-align: right;">00:01:34</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">11.40</td> <td style="text-align: center;">DEE</td> <td>Attached deposits, encrustation from 7 o'clock to 9 o'clock, 10% cross-sectional area loss</td> <td style="text-align: right;">00:01:31</td> <td style="text-align: center;">5</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">11.70</td> <td style="text-align: center;">DEE</td> <td>Attached deposits, encrustation from 6 o'clock to 9 o'clock, 10% cross-sectional area loss</td> <td style="text-align: right;">00:01:28</td> <td style="text-align: center;">6</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">13.53</td> <td style="text-align: center;">LR</td> <td>Line deviates right</td> <td style="text-align: right;">00:01:17</td> <td style="text-align: center;">7</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">13.53</td> <td style="text-align: center;">RFJ</td> <td>Roots, fine at joint</td> <td style="text-align: right;">00:01:17</td> <td></td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: right;">15.36</td> <td style="text-align: center;">RF</td> <td>Roots, fine</td> <td style="text-align: right;">00:01:08</td> <td style="text-align: center;">8</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: right;">16.95</td> <td style="text-align: center;">OBX</td> <td>Other obstacles, other object in invert from 5 o'clock to 9 o'clock, 30% cross-sectional area loss: Unknown Obstruction</td> <td style="text-align: right;">00:00:25</td> <td style="text-align: center;">9</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td style="text-align: right;">16.95</td> <td style="text-align: center;">SA</td> <td>Survey abandoned: No Further Access</td> <td style="text-align: right;">00:00:25</td> <td style="text-align: center;">10</td> <td></td> <td></td> </tr> </table> </div>								0.00	MH	Start node type, manhole, reference number: 1	00:00:04	1			0.00	WL	Water level, 10% % of the vertical dimension	00:00:06				8.25	DEE	Attached deposits, encrustation from 7 o'clock to 10 o'clock, 5% cross-sectional area loss	00:01:56	2	3		8.70	DEE	Attached deposits, encrustation from 7 o'clock to 9 o'clock, 20% cross-sectional area loss	00:01:47	3	3		10.64	DEE	Attached deposits, encrustation from 3 o'clock to 7 o'clock, 15% cross-sectional area loss	00:01:34	4	3		11.40	DEE	Attached deposits, encrustation from 7 o'clock to 9 o'clock, 10% cross-sectional area loss	00:01:31	5	3		11.70	DEE	Attached deposits, encrustation from 6 o'clock to 9 o'clock, 10% cross-sectional area loss	00:01:28	6	3		13.53	LR	Line deviates right	00:01:17	7			13.53	RFJ	Roots, fine at joint	00:01:17		2		15.36	RF	Roots, fine	00:01:08	8	2		16.95	OBX	Other obstacles, other object in invert from 5 o'clock to 9 o'clock, 30% cross-sectional area loss: Unknown Obstruction	00:00:25	9	5		16.95	SA	Survey abandoned: No Further Access	00:00:25	10		
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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	8	10.0	1.3	22.0	5.0

Section Pictures - 14/10/2020 - defectX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	DEFECTX	Chapel Park	Chapel Park



1, 00:00:04, 0.00 m
 Start node type, manhole, reference number: 1



2, 00:01:56, 8.25 m
 Attached deposits, encrustation from 7 o'clock to 10 o'clock,
 5% cross-sectional area loss



3, 00:01:47, 8.70 m
 Attached deposits, encrustation from 7 o'clock to 9 o'clock,
 20% cross-sectional area loss



4, 00:01:34, 10.64 m
 Attached deposits, encrustation from 3 o'clock to 7 o'clock,
 15% cross-sectional area loss



5, 00:01:31, 11.40 m
 Attached deposits, encrustation from 7 o'clock to 9 o'clock,
 10% cross-sectional area loss



6, 00:01:28, 11.70 m
 Attached deposits, encrustation from 6 o'clock to 9 o'clock,
 10% cross-sectional area loss

Section Pictures - 14/10/2020 - defectX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	DEFECTX	Chapel Park	Chapel Park



7, 00:01:17, 13.53 m
Line deviates right



8, 00:01:08, 15.36 m
Roots, fine



9, 00:00:25, 16.95 m
Other obstacles, other object in invert from 5 o'clock to 9 o'clock, 30% cross-sectional area loss



10, 00:00:25, 16.95 m
Survey abandoned

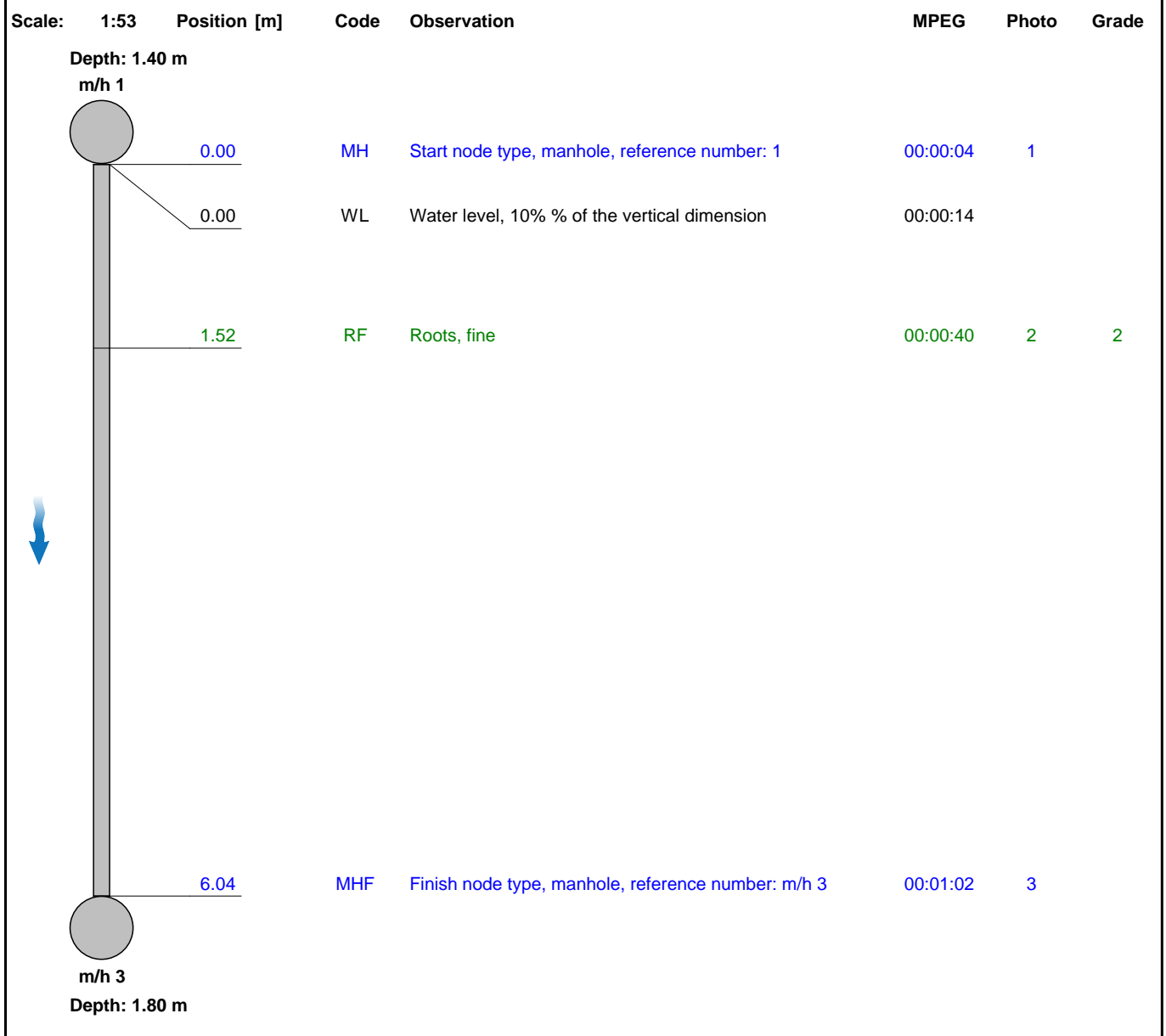
Section Inspection - 14/10/2020 - m/h 1X

Section 5	Inspection 5	Date 14/10/20	Time 10:01	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H 1X
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Downstream	Upstream Node:	M/H 1
Road:	Rowton Grange Rd	Inspected Length:	7.03 m	Upstream Pipe Depth:	1.400 m
Location:	Fields, farmland etc	Total Length:	6.04 m	Downstream Node:	M/H 3
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	1.800 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:



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	1	1.0	0.2	1.0	2.0

Section Pictures - 14/10/2020 - m/h 1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	M/H 1X	Chapel Park	Chapel Park



1, 00:00:04, 0.00 m
 Start node type, manhole, reference number: 1



2, 00:00:40, 1.52 m
 Roots, fine

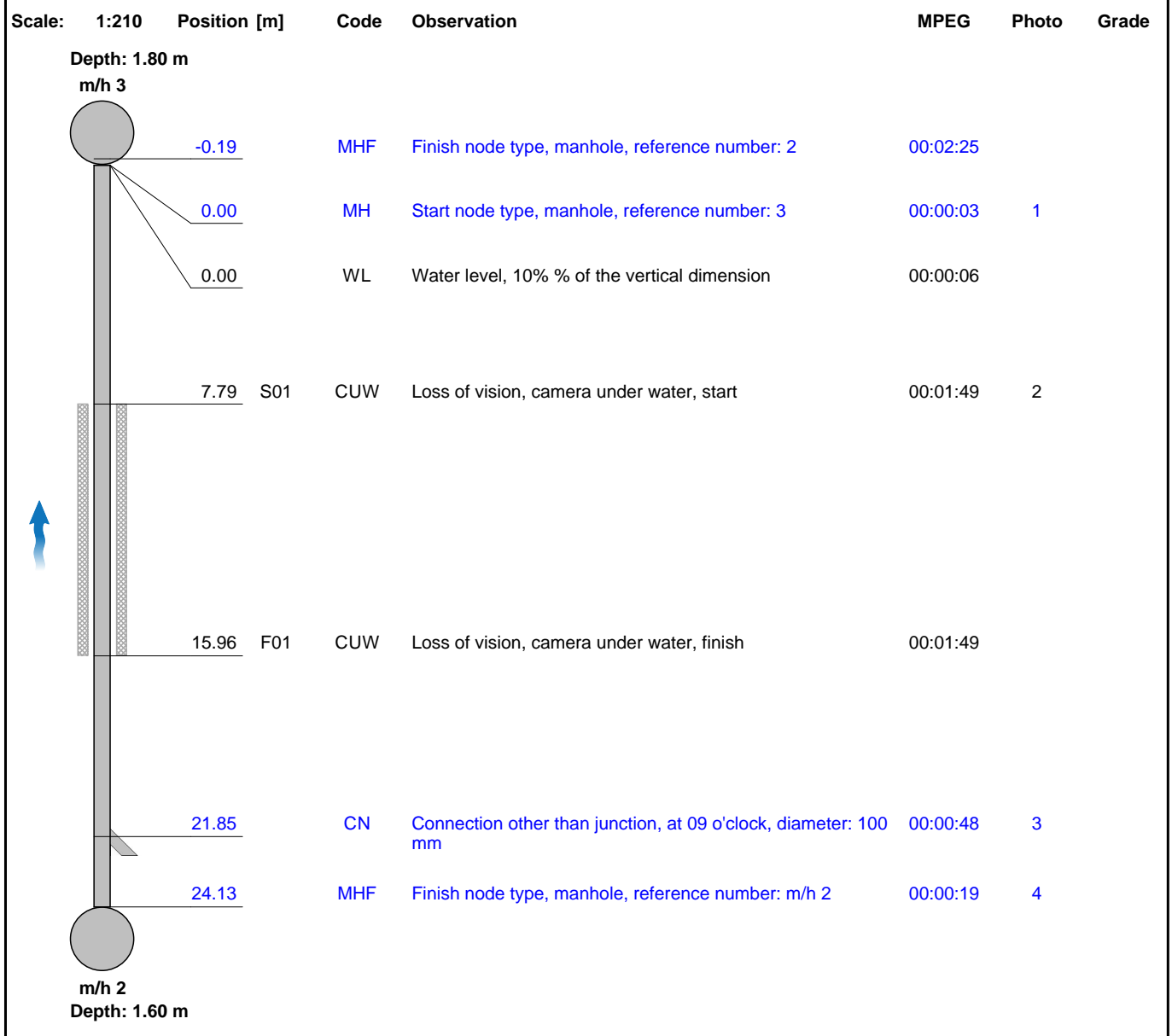


3, 00:01:02, 6.04 m
 Finish node type, manhole, reference number: m/h 3

Section Inspection - 14/10/2020 - m/h 2X

Section 6	Inspection 6	Date 14/10/20	Time 10:19	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H 2X
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Upstream	Upstream Node:	M/H 2
Road:	Rowton Grange Rd	Inspected Length:	24.32 m	Upstream Pipe Depth:	1.600 m
Location:	Fields, farmland etc	Total Length:	24.13 m	Downstream Node:	M/H 3
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	1.800 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	survey in reverse				
Recommendations:					



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

Section Pictures - 14/10/2020 - m/h 2X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	M/H 2X	Chapel Park	Chapel Park



1, 00:00:03, 0.00 m
 Start node type, manhole, reference number: 3



2, 00:01:49, 7.79 m
 Loss of vision, camera under water, start



3, 00:00:48, 21.85 m
 Connection other than junction, at 09 o'clock, diameter: 100 mm

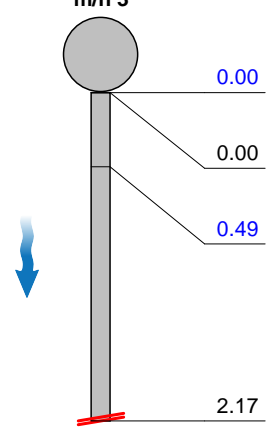


4, 00:00:19, 24.13 m
 Finish node type, manhole, reference number: m/h 2

Section Inspection - 14/10/2020 - m/h 3Y

Section 7	Inspection 7	Date 14/10/20	Time 10:23	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H 3Y
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Downstream	Upstream Node:	M/H 3
Road:	Rowton Grange Rd	Inspected Length:	2.17 m	Upstream Pipe Depth:	1.800 m
Location:	Fields, farmland etc	Total Length:	2.17 m	Downstream Node:	CULVERT
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.000 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	survey in reverse				
Recommendations:					

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																				
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 1.80 m m/h 3</p>  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">MH</td> <td>Start node type, manhole, reference number: 3</td> <td style="text-align: right;">00:00:04</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td style="text-align: center;">WL</td> <td>Water level, 0% % of the vertical dimension</td> <td style="text-align: right;">00:00:05</td> <td></td> </tr> <tr> <td style="text-align: right;">0.49</td> <td style="text-align: center;">MCMAR</td> <td>Pipe material changes to masonry (randomly coursed) at this point: Stone Culvert</td> <td style="text-align: right;">00:00:45</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: right;">2.17</td> <td style="text-align: center;">SA</td> <td>Survey abandoned: Culvert</td> <td style="text-align: right;">00:00:19</td> <td style="text-align: center;">3</td> </tr> </table> </div>								0.00	MH	Start node type, manhole, reference number: 3	00:00:04	1	0.00	WL	Water level, 0% % of the vertical dimension	00:00:05		0.49	MCMAR	Pipe material changes to masonry (randomly coursed) at this point: Stone Culvert	00:00:45	2	2.17	SA	Survey abandoned: Culvert	00:00:19	3
0.00	MH	Start node type, manhole, reference number: 3	00:00:04	1																							
0.00	WL	Water level, 0% % of the vertical dimension	00:00:05																								
0.49	MCMAR	Pipe material changes to masonry (randomly coursed) at this point: Stone Culvert	00:00:45	2																							
2.17	SA	Survey abandoned: Culvert	00:00:19	3																							

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

Section Pictures - 14/10/2020 - m/h 3Y

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	M/H 3Y	Chapel Park	Chapel Park



1, 00:00:04, 0.00 m
 Start node type, manhole, reference number: 3



2, 00:00:45, 0.49 m
 Pipe material changes to masonry (randomly coursed) at this point



3, 00:00:19, 2.17 m
 Survey abandoned

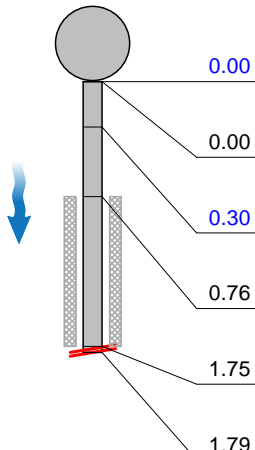
Section Inspection - 14/10/2020 - m/h 3X

Section 8	Inspection 8	Date 14/10/20	Time 10:27	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H 3X
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Downstream	Upstream Node:	M/H 3
Road:	Rowton Grange Rd	Inspected Length:	1.79 m	Upstream Pipe Depth:	1.800 m
Location:	Fields, farmland etc	Total Length:	1.79 m	Downstream Node:	CULVERT
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.000 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																																										
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 1.80 m m/h 3</p>  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">0.00</td> <td style="width: 10%;"></td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node type, manhole, reference number: 3</td> <td style="width: 10%; text-align: right;">00:00:04</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%;"></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>WL</td> <td>Water level, 10% % of the vertical dimension</td> <td style="text-align: right;">00:00:12</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.30</td> <td></td> <td>MCMAR</td> <td>Pipe material changes to masonry (randomly coursed) at this point: Culvert</td> <td style="text-align: right;">00:00:56</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: right;">0.76</td> <td>S01</td> <td>CUW</td> <td>Loss of vision, camera under water, start</td> <td style="text-align: right;">00:00:59</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: right;">1.75</td> <td>F01</td> <td>CUW</td> <td>Loss of vision, camera under water, finish</td> <td style="text-align: right;">00:00:59</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1.79</td> <td></td> <td>SA</td> <td>Survey abandoned: Culvert</td> <td style="text-align: right;">00:01:18</td> <td style="text-align: center;">4</td> <td></td> </tr> </table> </div>								0.00		MH	Start node type, manhole, reference number: 3	00:00:04	1		0.00		WL	Water level, 10% % of the vertical dimension	00:00:12			0.30		MCMAR	Pipe material changes to masonry (randomly coursed) at this point: Culvert	00:00:56	2		0.76	S01	CUW	Loss of vision, camera under water, start	00:00:59	3		1.75	F01	CUW	Loss of vision, camera under water, finish	00:00:59			1.79		SA	Survey abandoned: Culvert	00:01:18	4	
0.00		MH	Start node type, manhole, reference number: 3	00:00:04	1																																												
0.00		WL	Water level, 10% % of the vertical dimension	00:00:12																																													
0.30		MCMAR	Pipe material changes to masonry (randomly coursed) at this point: Culvert	00:00:56	2																																												
0.76	S01	CUW	Loss of vision, camera under water, start	00:00:59	3																																												
1.75	F01	CUW	Loss of vision, camera under water, finish	00:00:59																																													
1.79		SA	Survey abandoned: Culvert	00:01:18	4																																												

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

Section Pictures - 14/10/2020 - m/h 3X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	M/H 3X	Chapel Park	Chapel Park



1, 00:00:04, 0.00 m
 Start node type, manhole, reference number: 3



2, 00:00:56, 0.30 m
 Pipe material changes to masonry (randomly coursed) at this point



3, 00:00:59, 0.76 m
 Loss of vision, camera under water, start



4, 00:01:18, 1.79 m
 Survey abandoned

Section Inspection - 14/10/2020 - EndX

Section 9	Inspection 9	Date 14/10/20	Time 10:44	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR ENDX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Upstream	Upstream Node:	END
Road:	Rowton Grange Rd	Inspected Length:	25.12 m	Upstream Pipe Depth:	0.000 m
Location:	Fields, farmland etc	Total Length:	25.46 m	Downstream Node:	M/H 2
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	1.600 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Material:	Vitrified clay		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Survey in Reverse				
Recommendations:					

Scale:	1:171	Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: 1.60 m					
		m/h 2					
		0.00	MH	Start node type, manhole, reference number: 2	00:00:03	1	
		0.00	WL	Water level, 10% % of the vertical dimension	00:00:06		
		2.85	RFJ	Roots, fine at joint	00:02:19	2	2
		3.61	RFJ	Roots, fine at joint	00:02:13	3	2
		5.36	RFJ	Roots, fine at joint	00:02:07	4	2
		6.19	RFJ	Roots, fine at joint	00:02:04	5	2
		7.03	RMJ	Roots, mass at joint, 25% cross-sectional area loss	00:02:01	6	5
		7.68	RFJ	Roots, fine at joint	00:01:55	7	2
		8.70	RFJ	Roots, fine at joint	00:01:47	8	2
		10.87	DEE	Attached deposits, encrustation from 8 o'clock to 11 o'clock, 5% cross-sectional area loss	00:01:38	9	3
		11.44	DEE	Attached deposits, encrustation from 2 o'clock to 5 o'clock, 10% cross-sectional area loss	00:01:34	10	3
		12.58	DEE	Attached deposits, encrustation from 1 o'clock to 5 o'clock, 10% cross-sectional area loss	00:01:29	11	3
		15.69	DEE	Attached deposits, encrustation from 2 o'clock to 11 o'clock, 5% cross-sectional area loss	00:01:04	12	3
		17.29	DEE	Attached deposits, encrustation from 4 o'clock to 6 o'clock, 5% cross-sectional area loss	00:00:56	13	3
		18.05	DEE	Attached deposits, encrustation from 3 o'clock to 5 o'clock, 5% cross-sectional area loss	00:00:46	14	3

Section Inspection - 14/10/2020 - EndX

Section 9	Inspection 9	Date 14/10/20	Time 10:44	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR ENDX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Scale: 1:171	Position [m]	Code	Observation	MPEG	Photo	Grade
	21.13	DEE	Attached deposits, encrustation at 5 o'clock, 5% cross-sectional area loss	00:00:34	15	3
	21.81	DEE	Attached deposits, encrustation from 2 o'clock to 6 o'clock, 5% cross-sectional area loss	00:00:30	16	3
	23.29	DEE	Attached deposits, encrustation from 4 o'clock to 6 o'clock, 5% cross-sectional area loss	00:00:24	17	3
	24.21	DEE	Attached deposits, encrustation from 4 o'clock to 5 o'clock, 5% cross-sectional area loss	00:00:20	18	3
	25.12	SA	Survey abandoned: End of Run	00:00:15	19	
	25.46		End of pipe			

Depth: 0.00 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	17	10.0	1.5	36.0	5.0

Section Pictures - 14/10/2020 - EndX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	ENDX	Chapel Park	Chapel Park



1, 00:00:03, 0.00 m
 Start node type, manhole, reference number: 2



2, 00:02:19, 2.85 m
 Roots, fine at joint



3, 00:02:13, 3.61 m
 Roots, fine at joint



4, 00:02:07, 5.36 m
 Roots, fine at joint



5, 00:02:04, 6.19 m
 Roots, fine at joint



6, 00:02:01, 7.03 m
 Roots, mass at joint, 25% cross-sectional area loss

Section Pictures - 14/10/2020 - EndX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	ENDX	Chapel Park	Chapel Park



7, 00:01:55, 7.68 m
 Roots, fine at joint



8, 00:01:47, 8.70 m
 Roots, fine at joint



9, 00:01:38, 10.87 m
 Attached deposits, encrustation from 8 o'clock to 11 o'clock,
 5% cross-sectional area loss



10, 00:01:34, 11.44 m
 Attached deposits, encrustation from 2 o'clock to 5 o'clock,
 10% cross-sectional area loss



11, 00:01:29, 12.58 m
 Attached deposits, encrustation from 1 o'clock to 5 o'clock,
 10% cross-sectional area loss



12, 00:01:04, 15.69 m
 Attached deposits, encrustation from 2 o'clock to 11 o'clock,
 5% cross-sectional area loss

Section Pictures - 14/10/2020 - EndX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	ENDX	Chapel Park	Chapel Park



13, 00:00:56, 17.29 m
 Attached deposits, encrustation from 4 o'clock to 6 o'clock, 5% cross-sectional area loss



14, 00:00:46, 18.05 m
 Attached deposits, encrustation from 3 o'clock to 5 o'clock, 5% cross-sectional area loss



15, 00:00:34, 21.13 m
 Attached deposits, encrustation at 5 o'clock, 5% cross-sectional area loss



16, 00:00:30, 21.81 m
 Attached deposits, encrustation from 2 o'clock to 6 o'clock, 5% cross-sectional area loss



17, 00:00:24, 23.29 m
 Attached deposits, encrustation from 4 o'clock to 6 o'clock, 5% cross-sectional area loss



18, 00:00:20, 24.21 m
 Attached deposits, encrustation from 4 o'clock to 5 o'clock, 5% cross-sectional area loss

Section Pictures - 14/10/2020 - EndX

Section 9	Inspection Direction Upstream	PLR ENDX	Client's Job Ref Chapel Park	Contractor's Job Ref Chapel Park
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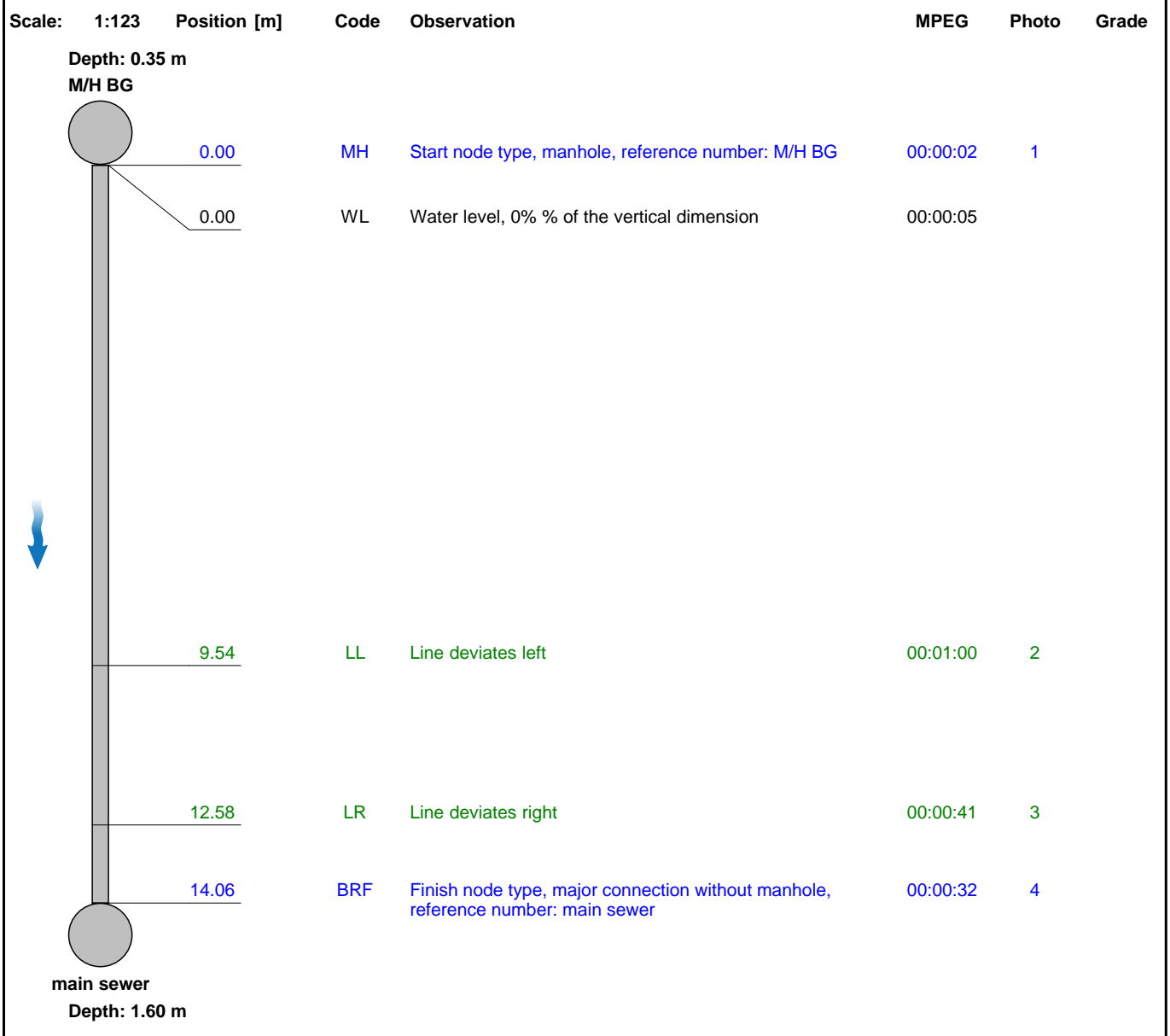


19, 00:00:15, 25.12 m
 Survey abandoned

Section Inspection - 14/10/2020 - M/H BGX

Section 10	Inspection 10	Date 14/10/20	Time 12:30	Client's Job Ref Chapel Park	Weather No Rain Or Snow	Pre Cleaned No	PLR M/H BGX
Operator Alec		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Chapel	Inspection Direction:	Downstream	Upstream Node:	M/H BG
Road:	Rowton Grange Rd	Inspected Length:	14.82 m	Upstream Pipe Depth:	0.350 m
Location:	Fields, farmland etc	Total Length:	14.06 m	Downstream Node:	MAIN SEWER
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	1.600 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Survey in Reverse				
Recommendations:					



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

Section Pictures - 14/10/2020 - M/H BGX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	M/H BGX	Chapel Park	Chapel Park



1, 00:00:02, 0.00 m
 Start node type, manhole, reference number: M/H BG



2, 00:01:00, 9.54 m
 Line deviates left



3, 00:00:41, 12.58 m
 Line deviates right



4, 00:00:32, 14.06 m
 Finish node type, major connection without manhole, reference number: main sewer