



Project

Project Name: 276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn

Project Description: WinCan Import in Miraculix WRc4 Standard

Project Date: 18/06/2021

Inspection Standard: MSCC4 Sewers & Drainage GB (SRM4 Scoring)



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Project Information

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

Client

Company: Melbourn Parish Council
Contact: Sophie Marriage
Department: Assistant to Parish Clerk
Street: 30 High Street
Town or City: Melbourn
County: Hertfordshire
Post Code: SG8 6DZ
Phone: 01763 263303 Op3
Email: assistanclerk@melbournpc.co.uk

Site

Company: Little Hands Nursery
Street: The Moor
Town or City: Melbourn
County: Hertfordshire
Post Code: SG8 6ED
Phone: 01763 260964

Contractor

Company: Drain Doctor Plumbing
Contact: Rob Simpson
Street: 4 Tide Mill Way
Town or City: Woodbridge
County: Suffolk
Post Code: IP12 1BY
Phone: 01474 626444
Email: robert.simpson@draindoctor.co.uk

Project Information

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

Project Notes

Section 1, Line appears to be disused, fine roots entering through the joint at 0.19m & a medium open joint at 1.82m

Section 2, Line is capped off at the rest bend, medium displaced joint found at 0.30m.

Section 3, Line is capped off at the rest bend, medium displaced joint found at 1.29m

Section 4, Medium displaced joint at 0.46, Water level is upto 40% in TL384523BA

Section 5, Medium open joint at 0.46m & a medium displaced joint at 0.61.

Section 6, Medium open & displaced joint at 1.29.

Section 7, Starting water level is 50% & the camera was under water from 0.23m to 1.29m, medium open joint at 1.48m, medium open & displaced joint at 2.85m & 20% hard deposits at 2.93.

Section 8, Medium displaced joint at 1.41m.

Section 9, Large open & displaced joint at 1.60m.

Section 10, Starting water level is 40% which increases upto 60% & back flowing was observed.

Section 11, Large open & displaced joint at 1.52m

Section 12, Medium open joint at 1.71m

Section 13, Starting water level was 30%, increasing upto 100% with the camera under water from 0.46m to 10.72m.

Section 14, This line appears to be disused.

Section 15, Starting water level was 70%, loss of vision with the camera underwater at 3.65m to 6.08m

Section 16, Circumferential fracture at 1.63m, unknown as to whether this line is in use.

Section 17, This line is capped off at the rest bend. Longitudinal fracture at 0.61m to 1.25m, circumferential fracture at 1.10m & spiral fracture at 1.79m.

Section 18, This line is capped off at the rest bend. Medium displaced & open joint at 1.63m

Project Information

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Section 19, Displaced joint at 2.51m, water level holding at upto 25% at 2.70m.

Section 20, This run has a full length liner, however, this is holding water upto 70% in parts & there was a loss of vision at 10.45m to 11.25m.

Section 21, No issues found.

Section 22, No issues found.

Section 23, No issues found.

Section 24, Fine settled deposits (silt) throughout the line from 0.87m to 11.10m.

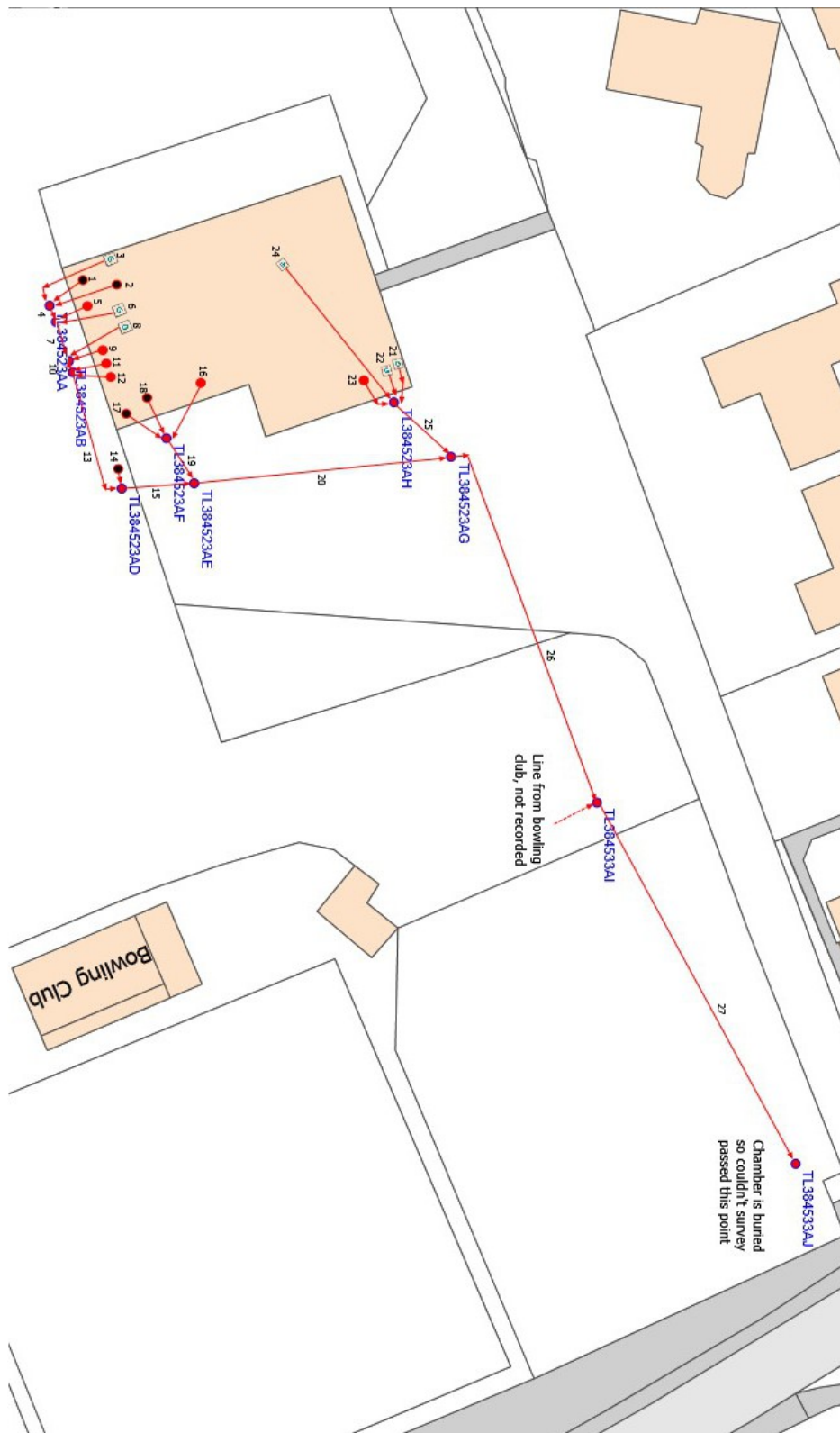
Section 25, Fine settled deposits (silt) at 4.48m, displaced joints at 4.60m, 6.23m & 6.57m

Section 26, Fine settled deposits (silt) from 0.65m to 2.13m, Longitudinal & spiral fracture at 2.28, circumferential fracture at 6.08m, medium displaced joint at 7.87, circumferential fracture at 10.91 with fine roots entering through the fracture, fine roots at 17.86m, 20% root mass at 18.05m, circumferential crack at 18.43m, Fine settled deposits (silt) from 18.43m to 20.41m, Fine settled deposits (silt) at 24.21m to 25.92m, Fine settled deposits (silt) at 26.41m to 29.15m, Fine settled deposits (silt) 20% at 29.15m to 30.51m. This run also has a liner installed from 18.66m to 30.51m.

Project Information

Project Name	Project Number	Project Date
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Project Drawing



Scoring Summary

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

Structural Defects

- Grade 3: Best practice suggests consideration should be given to repairs in the medium term.
- Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.
- Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
16	UNKNOWN01X	3	Fracture, circumferential, from 03 to 11 o'clock
17	CAPPED04X	4	Fracture spiral, from 12 to 11 o'clock
26	TL384523AGX	4	Fracture spiral, from 12 to 11 o'clock
27	TL384533AIX	4	Hole in drain or sewer, from 11 to 01 o'clock

Service / Operational Condition

- Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.
- Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.
- Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
7	TL384523BAX	3	Settled deposits, hard or compacted, 20% % cross-sectional area loss
24	GULLY06X	3	Multiple defects
25	TL384523AHX	3	Settled deposits, fine at joint, 15% % cross-sectional area loss
27	TL384533AIX	5	Roots, mass, 30% % cross-sectional area loss

Abandoned Surveys

Section	PLR	Description
All inspections complete, none are abandoned.		

Information

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

Project Pictures

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

TL384523AA is in 2 pieces	Section 5 & 6
Section 1,2 & 3	TL384523AB cover frame is loose, needs replacing
TL384523AA needs replacing	Section 7
Section 4	Section 8 & 9

Project Pictures

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

Section 10



Section 11 & 12



Section 13.1



Section 13.2

Project Pictures

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021

Section 14

TL384523AF is broken underneath needs replcaing as its in the car park

TL384523AF channel is broken & needs replacing along with the benching needing repair

Section 19

Section 15

TL384523AF is broken needs replacing as its in the car park



Section 16, 17 & 18

Project Pictures

Project Name	Project Number	Project Date
276430.Little Hands Nursery.SG8 6ED.BWW.Melbourn		18/06/2021



Section 20.1



Section 21, 22, 23 & 24

Section 20.2

Section 26.1

Section 25

Project Pictures

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Section 26.2

Section 27.2



Section 27.3, TL384533AJ is hidden somewhere in this area

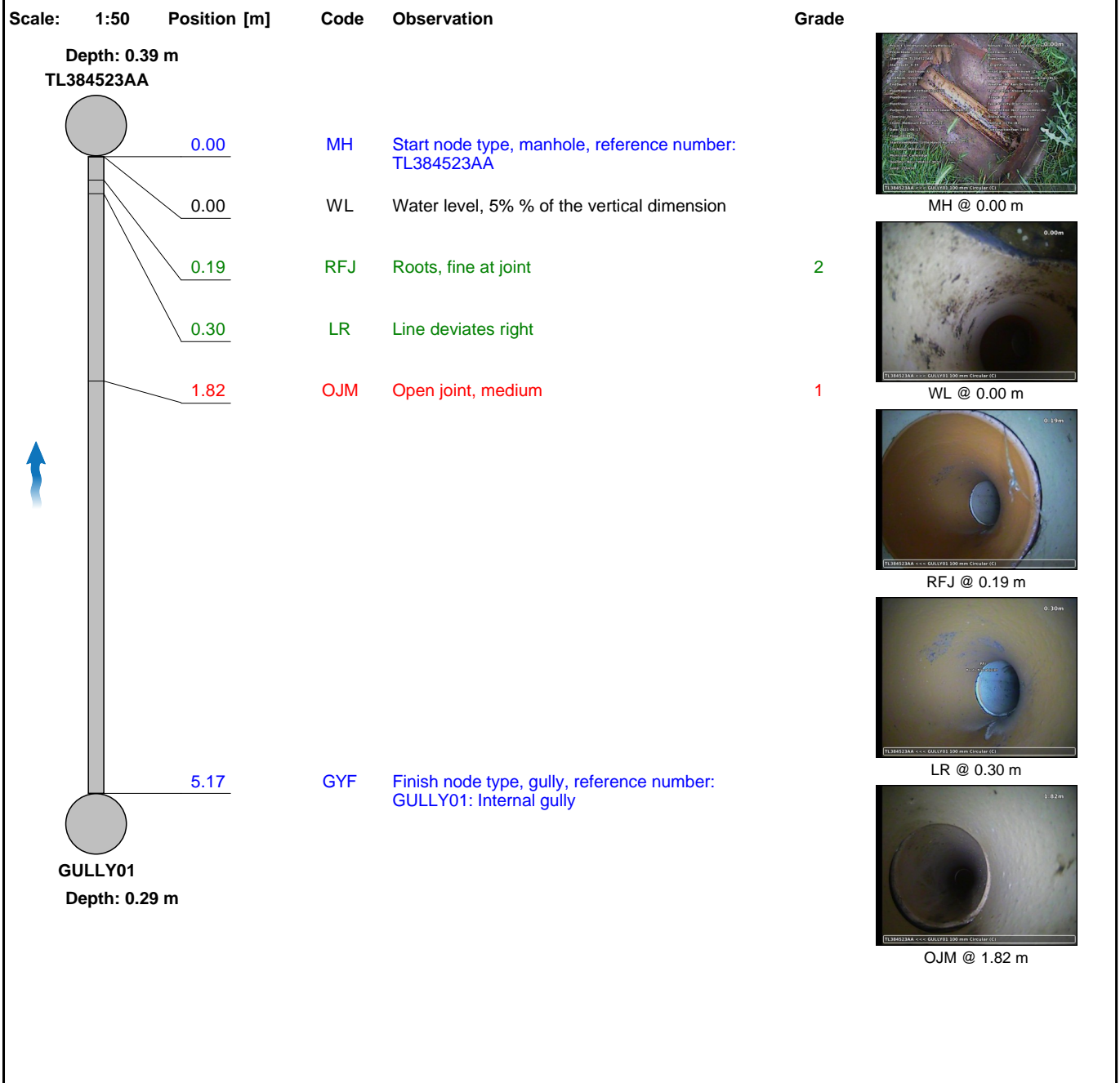
Section 27.1

Upstream from TL384533AI from the Bowls club, not recorded
 as requested by warden

Section Inspection - 17/06/2021 - GULLY01X

Section 1	Inspection 1	Date 17/06/21	Time 4:13	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY01X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY01
Road:	Little Hands Nursery	Inspected Length:	5.17 m	Upstream Pipe Depth:	0.290 m
Location:	Under a permanent building	Total Length:	5.17 m	Downstream Node:	TL384523AA
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.390 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	GULLY01 appears to be internal				
Recommendations:	None				



Section Inspection - 17/06/2021 - GULLY01X

Section 1	Inspection 1	Date 17/06/21	Time 4:13	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY01X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



GYF @ 5.17 m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.2	1.0	1.0	1	1.0	0.2	1.0	2.0

Section Pictures - 17/06/2021 - GULLY01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	GULLY01X	276430	276430



20210617-161336-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AA



20210617-161336-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - GULLY01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	GULLY01X	276430	276430



20210617-161336-snap0002.jpg, 00:00:11, 0.19 m
Roots, fine at joint



20210617-161336-snap0003.jpg, 00:00:17, 0.30 m
Line deviates right

Section Pictures - 17/06/2021 - GULLY01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	GULLY01X	276430	276430



20210617-161336-snap0004.jpg, 00:00:31, 1.82 m
Open joint, medium

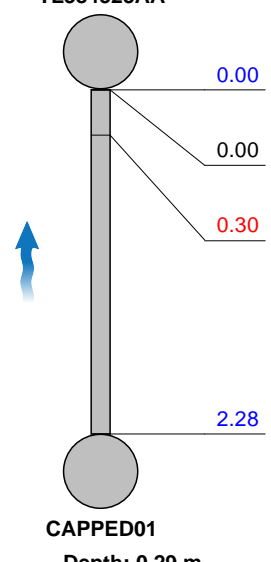
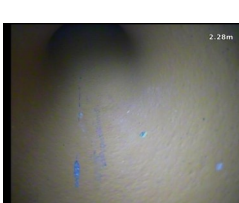

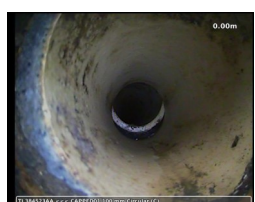



20210617-161336-snap0005.jpg, 00:00:56, 5.17 m
Finish node type, gully, reference number: GULLY01, Internal gully

Section Inspection - 17/06/2021 - CAPPED01X

Section 2	Inspection 2	Date 17/06/21	Time 4:16	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CAPPED01X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	CAPPED01
Road:	Little Hands Nursery	Inspected Length:	2.28 m	Upstream Pipe Depth:	0.290 m
Location:	Under a permanent building	Total Length:	2.28 m	Downstream Node:	TL384523AA
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.390 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	This line is capped off and disused				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	Grade				
		Depth: 0.39 m TL384523AA 							
		0.00	MH	Start node type, manhole, reference number: TL384523AA					
		0.00	WL	Water level, 0% % of the vertical dimension					
		0.30	JD	Joint displaced, 20 mm displacement	1				
		2.28	OCF	Finish node type, other special chamber, reference number: CAPPED01: Internal rest bend CAPPED OFF					
		CAPPED01 Depth: 0.29 m 							
					MH @ 0.00 m				
					WL @ 0.00 m				
					JD @ 0.30 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
1	2.0	0.9	2.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - CAPPED01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	CAPPED01X	276430	276430



20210617-161651-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AA



20210617-161651-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 0% % of the vertical dimension

Section Pictures - 17/06/2021 - CAPPED01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	CAPPED01X	276430	276430



20210617-161651-snap0002.jpg, 00:00:18, 0.30 m
Joint displaced, 20 mm displacement

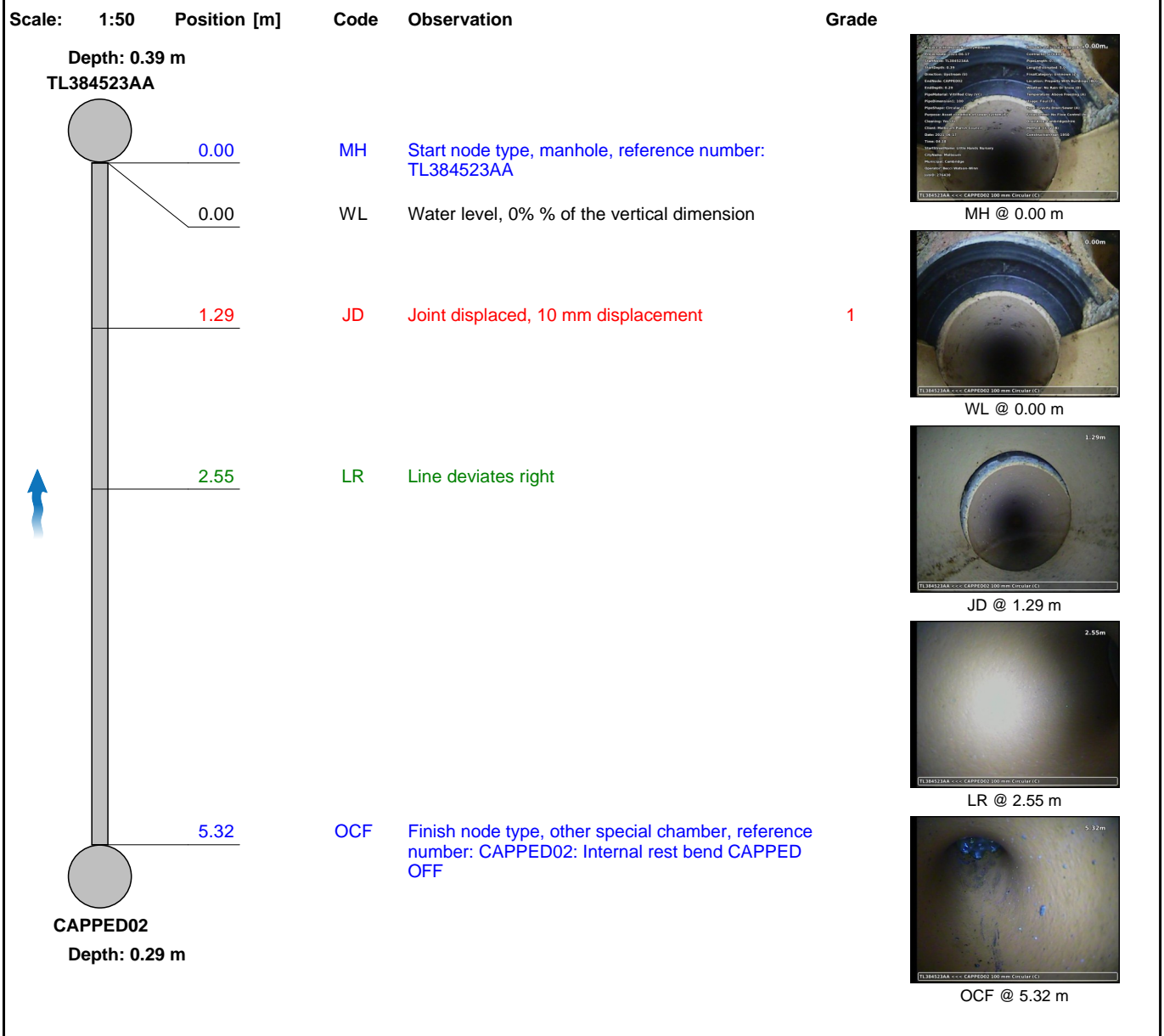


20210617-161651-snap0003.jpg, 00:00:52, 2.28 m
Finish node type, other special chamber, reference number: CAPPED01, Internal rest bend
CAPPED OFF

Section Inspection - 17/06/2021 - CAPPED02X

Section 3	Inspection 3	Date 17/06/21	Time 4:18	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CAPPED02X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	CAPPED02
Road:	Little Hands Nursery	Inspected Length:	5.32 m	Upstream Pipe Depth:	0.290 m
Location:	Under a permanent building	Total Length:	5.32 m	Downstream Node:	TL384523AA
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.390 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	This line is capped off and disused				
Recommendations:	None				



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	2.0	0.4	2.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - CAPPED02X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	CAPPED02X	276430	276430



20210617-161854-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AA



20210617-161854-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 0% % of the vertical dimension

Section Pictures - 17/06/2021 - CAPPED02X

Section 3	Inspection Direction Upstream	PLR CAPPED02X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-161854-snap0002.jpg, 00:00:28, 1.29 m
Joint displaced, 10 mm displacement



20210617-161854-snap0003.jpg, 00:01:01, 2.55 m
Line deviates right

Section Pictures - 17/06/2021 - CAPPED02X

Section 3	Inspection Direction Upstream	PLR CAPPED02X	Client's Job Ref 276430	Contractor's Job Ref 276430
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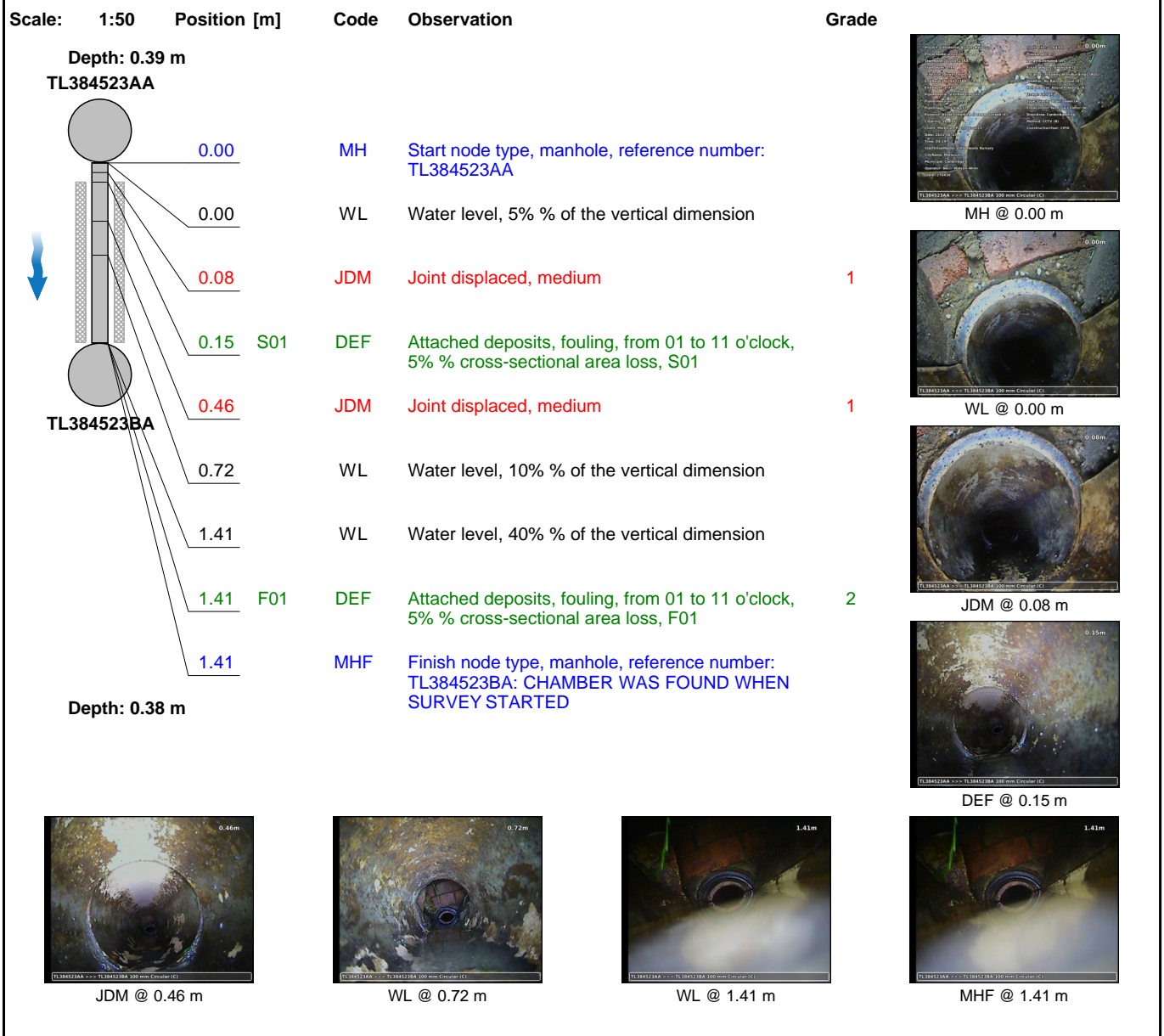


20210617-161854-snap0004.jpg, 00:01:40, 5.32 m
Finish node type, other special chamber, reference number: CAPPED02, Internal rest bend
CAPPED OFF

Section Inspection - 17/06/2021 - TL384523AAX

Section 4	Inspection 4	Date 17/06/21	Time 4:29	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AAX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AA
Road:	Little Hands Nursery	Inspected Length:	1.41 m	Upstream Pipe Depth:	0.390 m
Location:	Other pedestrian area	Total Length:	1.41 m	Downstream Node:	TL384523BA
Surface Type:	Grass	Joint Length:	0.70 m	Downstream Pipe Depth:	0.380 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	Chamber lid is damaged				
Recommendations:	Replace chamber frame & cover				



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	1.4	2.0	1.0	1	1.0	1.4	2.0	3.0

Section Pictures - 17/06/2021 - TL384523AAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	TL384523AAX	276430	276430



20210617-163005-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AA



20210617-163005-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	TL384523AAX	276430	276430



20210617-163005-snap0002.jpg, 00:00:17, 0.08 m
Joint displaced, medium



20210617-163005-snap0003.jpg, 00:00:25, 0.15 m
Attached deposits, fouling, from 01 to 11 o'clock, 5% % cross-sectional area loss, S01

Section Pictures - 17/06/2021 - TL384523AAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	TL384523AAX	276430	276430



20210617-163005-snap0004.jpg, 00:00:39, 0.46 m
Joint displaced, medium



20210617-163005-snap0005.jpg, 00:00:45, 0.72 m
Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	TL384523AAX	276430	276430



20210617-163005-snap0006.jpg, 00:01:02, 1.41 m
Water level, 40% % of the vertical dimension

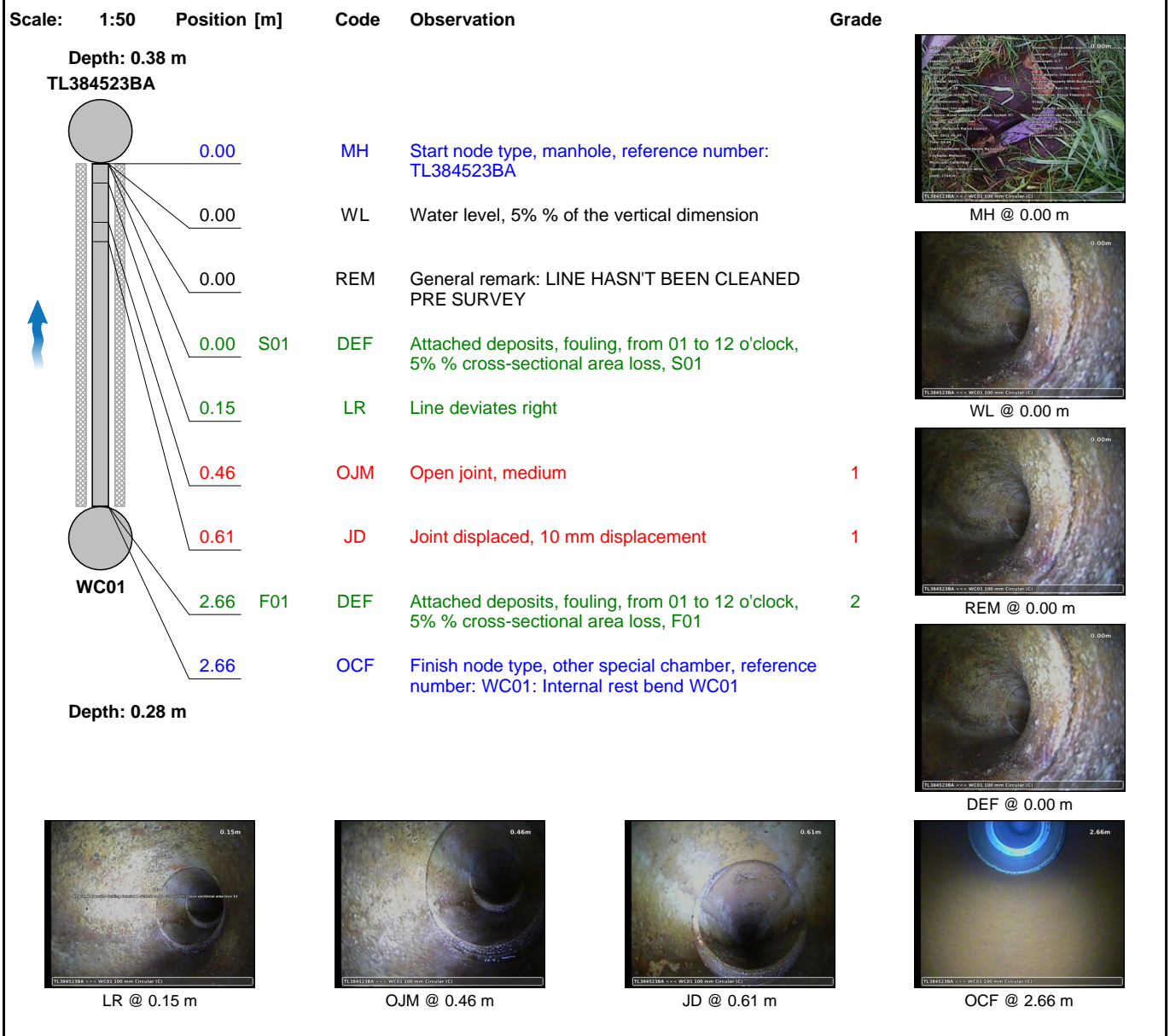


20210617-163005-snap0007.jpg, 00:01:13, 1.41 m
Finish node type, manhole, reference number: TL384523BA, CHAMBER WAS FOUND WHEN SURVEY STARTED

Section Inspection - 17/06/2021 - WC01X

Section 5	Inspection 5	Date 17/06/21	Time 4:44	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned No	PLR WC01X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	WC01
Road:	Little Hands Nursery	Inspected Length:	2.66 m	Upstream Pipe Depth:	0.280 m
Location:	Under a permanent building	Total Length:	2.66 m	Downstream Node:	TL384523BA
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.380 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	This chamber wasn't found until survey was started & has not been cleaned				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
2		2.0	1.1	3.0	1.0	1		1.0	1.1	3.0	3.0

Section Pictures - 17/06/2021 - WC01X

Section 5	Inspection Direction Upstream	PLR WC01X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-164432-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523BA



20210617-164432-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC01X

Section 5	Inspection Direction Upstream	PLR WC01X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-164432-snap0002.jpg, 00:00:09, 0.00 m
General remark, LINE HASN'T BEEN CLEANED PRE SURVEY



20210617-164432-snap0003.jpg, 00:00:15, 0.00 m
Attached deposits, fouling, from 01 to 12 o'clock, 5% % cross-sectional area loss, S01

Section Pictures - 17/06/2021 - WC01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	WC01X	276430	276430



20210617-164432-snap0004.jpg, 00:00:24, 0.15 m
Line deviates right



20210617-164432-snap0005.jpg, 00:00:35, 0.46 m
Open joint, medium

Section Pictures - 17/06/2021 - WC01X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	WC01X	276430	276430



20210617-164432-snap0006.jpg, 00:00:45, 0.61 m
Joint displaced, 10 mm displacement

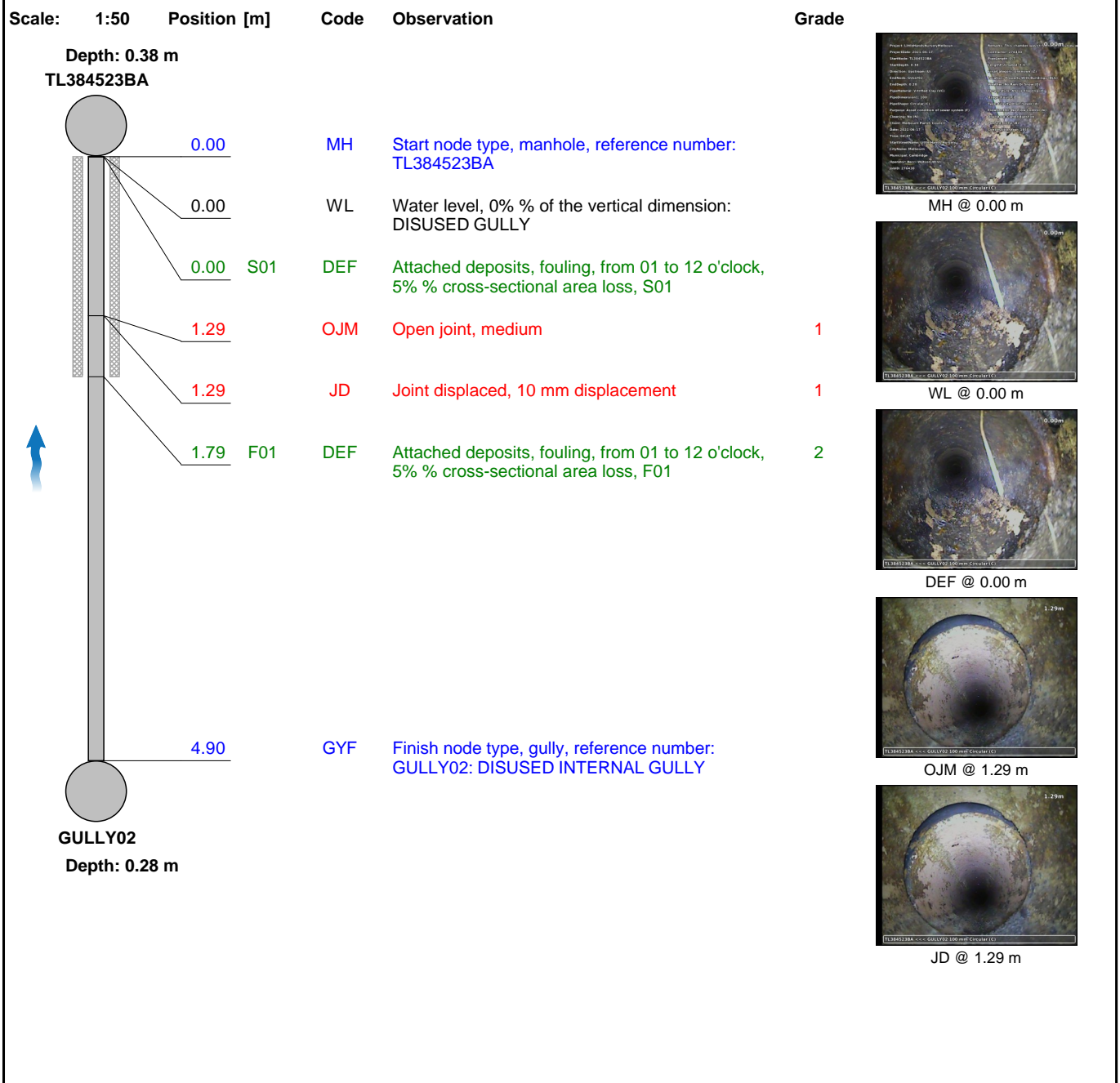


20210617-164432-snap0007.jpg, 00:01:15, 2.66 m
Finish node type, other special chamber, reference number: WC01, Internal rest bend WC01

Section Inspection - 17/06/2021 - GULLY02X

Section 6	Inspection 6	Date 17/06/21	Time 4:47	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned No	PLR GULLY02X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY02
Road:	Little Hands Nursery	Inspected Length:	4.90 m	Upstream Pipe Depth:	0.280 m
Location:	Under a permanent building	Total Length:	4.90 m	Downstream Node:	TL384523BA
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.380 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	This chamber wasn't found until survey was started & has not been cleaned				
Recommendations:	None				



Section Inspection - 17/06/2021 - GULLY02X

Section 6	Inspection 6	Date 17/06/21	Time 4:47	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned No	PLR GULLY02X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



GYF @ 4.90 m

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	3.0	0.6	3.0	1.0	1	1.0	0.4	2.0	2.0

Section Pictures - 17/06/2021 - GULLY02X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	GULLY02X	276430	276430



Project: LittleHandsNurseryMelbourn
 ProjectDate: 2021-06-17
 StartNode: TL384523BA
 StartDepth: 0.38
 Direction: Upstream (U)
 EndNode: GULLY02
 EndDepth: 0.28
 PipeMaterial: Vitrified Clay (VC)
 PipeDimensionI: 100
 PipeShape: Circular (C)
 Purpose: Asset condition of sewer system (F)
 Cleaning: No (N)
 Client: Melbourn Parish Council
 Date: 2021-06-17
 Time: 04:47
 StartStreetName: Little Hands Nursery
 CityName: Melbourn
 Municipal: Cambridge
 Operator: Becci Watson:Winn
 JobID: 276430

Remarks: This chamber wasn't for a survey w
 Contractor: 276430
 PipeLength: 0.7
 LengthEstimated: 3.0
 FinalCategory: Unknown (Z)
 Location: Property With Buildings (BLG)
 Weather: No Rain Or Snow (D)
 Temperature: Above Freezing (A)
 Usage: Foul (F)
 Type: Gravity Drain/Sewer (A)
 FlowControl: No Flow Control (N)
 DrainArea: Cambridgeshire
 Method: CCTV (B)
 ConstructionYear: 1950

20210617-164707-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523BA



20210617-164707-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 0% % of the vertical dimension, DISUSED GULLY

Section Pictures - 17/06/2021 - GULLY02X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream	GULLY02X	276430	276430



20210617-164707-snap0002.jpg, 00:00:12, 0.00 m
Attached deposits, fouling, from 01 to 12 o'clock, 5% % cross-sectional area loss, S01



20210617-164707-snap0003.jpg, 00:00:35, 1.29 m
Open joint, medium

Section Pictures - 17/06/2021 - GULLY02X

Section 6	Inspection Direction Upstream	PLR GULLY02X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-164707-snap0004.jpg, 00:00:39, 1.29 m
Joint displaced, 10 mm displacement








20210617-164707-snap0005.jpg, 00:01:19, 4.90 m
Finish node type, gully, reference number: GULLY02, DISUSED INTERNAL GULLY

Section Inspection - 17/06/2021 - TL384523BAX

Section 7	Inspection 7	Date 17/06/21	Time 4:49	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523BAX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523BA
Road:	Little Hands Nursery	Inspected Length:	3.19 m	Upstream Pipe Depth:	0.380 m
Location:	Other pedestrian area	Total Length:	3.19 m	Downstream Node:	TL384523AB
Surface Type:	Grass	Joint Length:	0.70 m	Downstream Pipe Depth:	0.510 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	Grade	
		Depth: 0.38 m TL384523BA				
		0.00	MH	Start node type, manhole, reference number: TL384523BA		
		0.00	WL	Water level, 50% % of the vertical dimension		MH @ 0.00 m
		0.23	S01	CUW	Loss of vision, camera under water, S01	
		0.23	WL	Water level, 10% % of the vertical dimension		WL @ 0.00 m
		1.29	F01	CUW	Loss of vision, camera under water, F01	
		1.29	WL	Water level, 10% % of the vertical dimension		WL @ 1.29 m
		1.29	S02	DEF	Attached deposits, fouling, from 02 to 10 o'clock, 5% % cross-sectional area loss, S02	
		1.48	OJM	Open joint, medium	1	CUW @ 0.23 m
		1.63	WL	Water level, 5% % of the vertical dimension		WL @ 1.29 m
		2.85	JD	Joint displaced, 10 mm displacement	1	DEF @ 1.29 m
		2.85	OJM	Open joint, medium	1	DEF @ 1.29 m
		2.93	DEC	Settled deposits, hard or compacted, 20% % cross-sectional area loss	3	DEF @ 1.29 m
		3.19	F02	DEF	Attached deposits, fouling, from 02 to 10 o'clock, 5% % cross-sectional area loss, F02	
		3.19	MHF	Finish node type, manhole, reference number: TL384523AB		DEF @ 1.29 m
		Depth: 0.51 m				

Section Inspection - 17/06/2021 - TL384523BAX

Section 7	Inspection 7	Date 17/06/21	Time 4:49	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523BAX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



OJM @ 1.48 m



WL @ 1.63 m



JD @ 2.85 m



OJM @ 2.85 m



DEC @ 2.93 m



MHF @ 3.19 m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	3.0	1.3	4.0	1.0	2	3.0	1.3	4.0	3.0

Section Pictures - 17/06/2021 - TL384523BAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	TL384523BAX	276430	276430



20210617-164942-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523BA



20210617-164942-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 50% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523BAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	TL384523BAX	276430	276430



20210617-164942-snap0002.jpg, 00:00:14, 0.23 m
Loss of vision, camera under water, S01



20210617-164942-snap0003.jpg, 00:00:36, 1.29 m
Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523BAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	TL384523BAX	276430	276430



20210617-164942-snap0004.jpg, 00:00:40, 1.29 m
Attached deposits, fouling, from 02 to 10 o'clock, 5% % cross-sectional area loss, S02



20210617-164942-snap0005.jpg, 00:00:52, 1.48 m
Open joint, medium

Section Pictures - 17/06/2021 - TL384523BAX

Section 7	Inspection Direction Downstream	PLR TL384523BAX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-164942-snap0006.jpg, 00:00:58, 1.63 m
Water level, 5% % of the vertical dimension



20210617-164942-snap0007.jpg, 00:01:15, 2.85 m
Joint displaced, 10 mm displacement

Section Pictures - 17/06/2021 - TL384523BAX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	TL384523BAX	276430	276430



20210617-164942-snap0008.jpg, 00:01:21, 2.85 m
Open joint, medium



20210617-164942-snap0009.jpg, 00:01:35, 2.93 m
Settled deposits, hard or compacted, 20% % cross-sectional area loss

Section Pictures - 17/06/2021 - TL384523BAX

Section 7	Inspection Direction Downstream	PLR TL384523BAX	Client's Job Ref 276430	Contractor's Job Ref 276430
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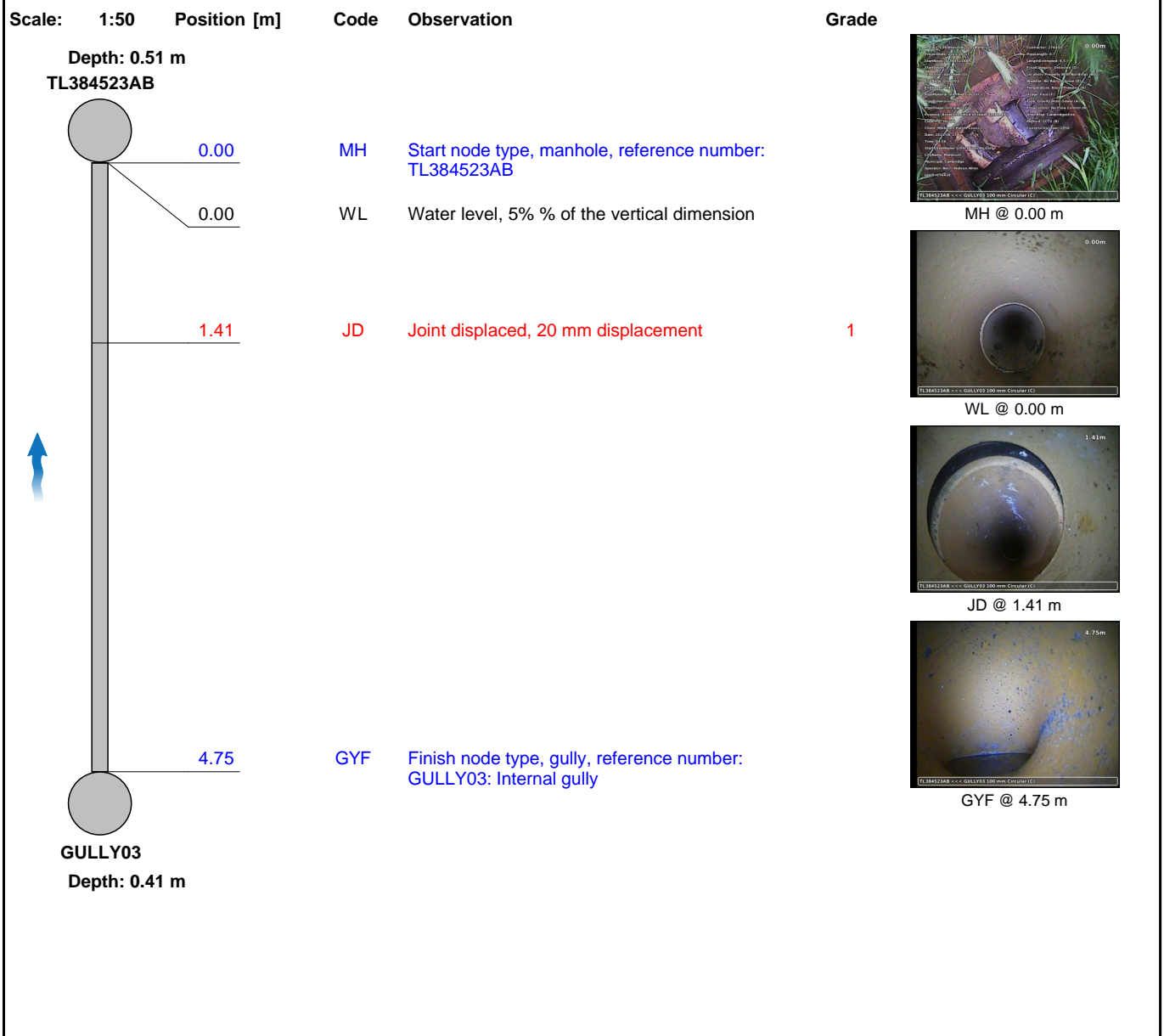


20210617-164942-snap0010.jpg, 00:01:45, 3.19 m
Finish node type, manhole, reference number: TL384523AB

Section Inspection - 17/06/2021 - GULLY03X

Section 8	Inspection 8	Date 17/06/21	Time 4:56	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY03X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY03
Road:	Little Hands Nursery	Inspected Length:	4.75 m	Upstream Pipe Depth:	0.410 m
Location:	Under a permanent building	Total Length:	4.75 m	Downstream Node:	TL384523AB
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.510 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
1		2.0	0.4	2.0	1.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - GULLY03X

Section 8	Inspection Direction Upstream	PLR GULLY03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-165624-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AB



20210617-165624-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - GULLY03X

Section 8	Inspection Direction Upstream	PLR GULLY03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-165624-snap0002.jpg, 00:00:24, 1.41 m
Joint displaced, 20 mm displacement

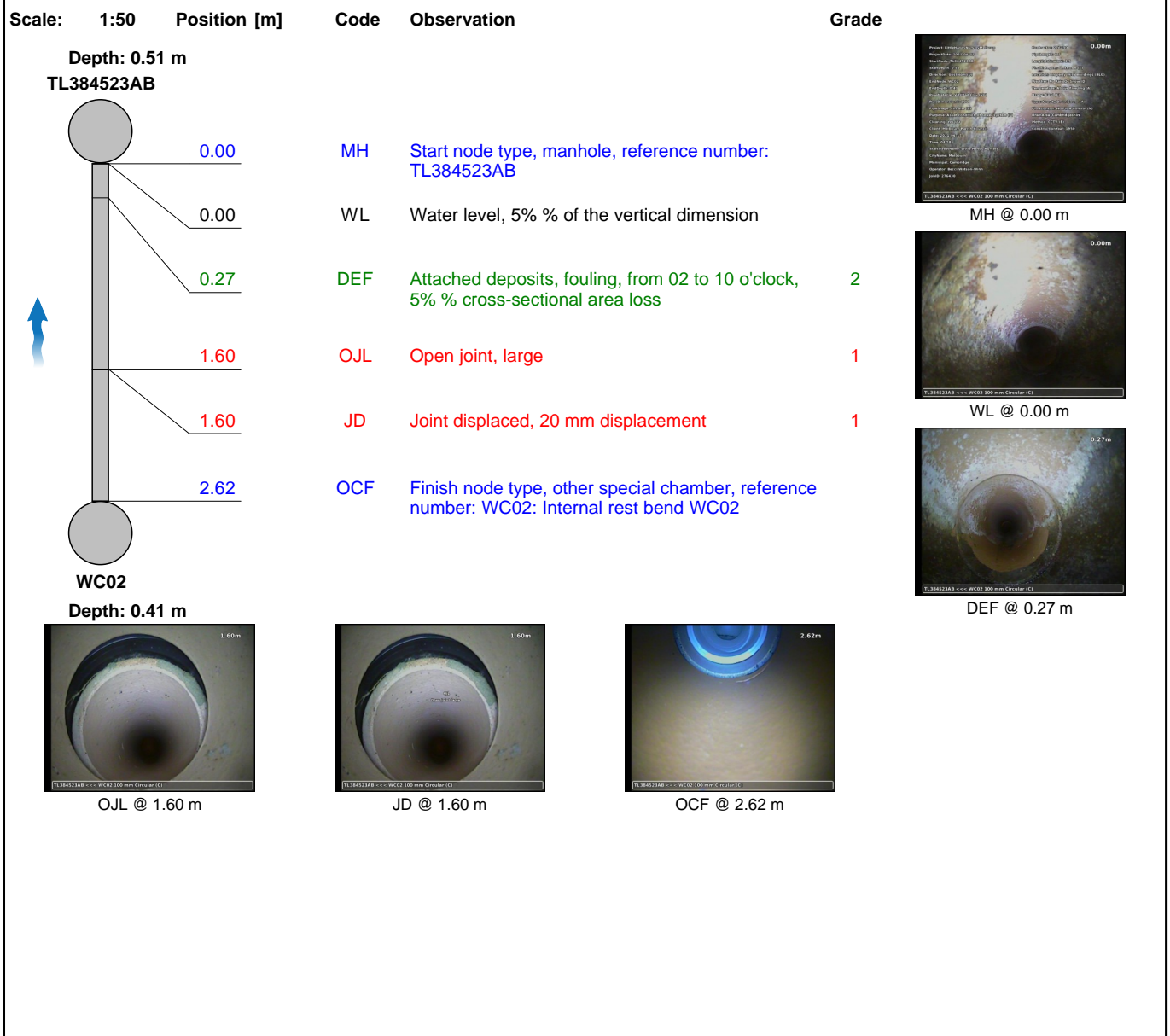


20210617-165624-snap0003.jpg, 00:00:56, 4.75 m
Finish node type, gully, reference number: GULLY03, Internal gully

Section Inspection - 17/06/2021 - WC02X

Section 9	Inspection 9	Date 17/06/21	Time 4:58	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR WC02X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	WC02
Road:	Little Hands Nursery	Inspected Length:	2.62 m	Upstream Pipe Depth:	0.410 m
Location:	Under a permanent building	Total Length:	2.62 m	Downstream Node:	TL384523AB
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.510 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
2		4.0	1.5	4.0	1.0	1		1.0	0.4	1.0	2.0

Section Pictures - 17/06/2021 - WC02X

Section 9	Inspection Direction Upstream	PLR WC02X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-165855-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AB



20210617-165855-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC02X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	WC02X	276430	276430



20210617-165855-snap0002.jpg, 00:00:15, 0.27 m
Attached deposits, fouling, from 02 to 10 o'clock, 5% % cross-sectional area loss



20210617-165855-snap0003.jpg, 00:00:36, 1.60 m
Open joint, large

Section Pictures - 17/06/2021 - WC02X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Upstream	WC02X	276430	276430



20210617-165855-snap0004.jpg, 00:00:40, 1.60 m
Joint displaced, 20 mm displacement

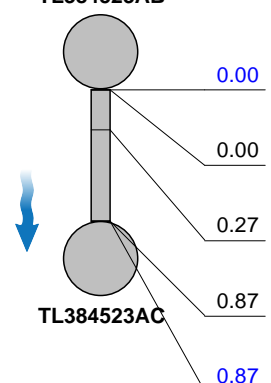



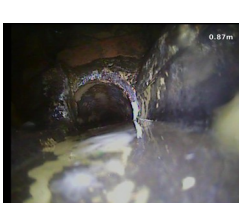
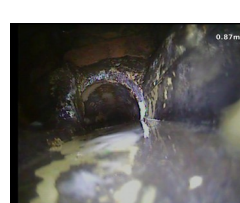


20210617-165855-snap0005.jpg, 00:01:01, 2.62 m
Finish node type, other special chamber, reference number: WC02, Internal rest bend WC02

Section Inspection - 17/06/2021 - TL384523ABX

Section 10	Inspection 10	Date 17/06/21	Time 5:01	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523ABX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AB
Road:	Little Hands Nursery	Inspected Length:	0.87 m	Upstream Pipe Depth:	0.510 m
Location:	Other pedestrian area	Total Length:	0.87 m	Downstream Node:	TL384523AC
Surface Type:	Grass	Joint Length:	0.70 m	Downstream Pipe Depth:	0.530 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	Chamber frame is loose				
Recommendations:	Replace/bed down chamber frame				

Scale:	1:50	Position [m]	Code	Observation	Grade
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Depth: 0.51 m TL384523AB</p>  <p>Depth: 0.53 m</p> </div> <div style="width: 50%;">  <p style="text-align: center;">MH @ 0.00 m</p>  <p style="text-align: center;">WL @ 0.00 m</p>  <p style="text-align: center;">WL @ 0.27 m</p> </div> </div>					
		0.00	MH	Start node type, manhole, reference number: TL384523AB	
		0.00	WL	Water level, 40% % of the vertical dimension	
		0.27	WL	Water level, 60% % of the vertical dimension	
		0.87	WL	Water level, 20% % of the vertical dimension: BACK FLOWING	
		0.87	MHF	Finish node type, manhole, reference number: TL384523AC	
					 <p style="text-align: center;">WL @ 0.87 m</p>  <p style="text-align: center;">MHF @ 0.87 m</p>

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 - 17/06/2021 - TL384523ABX

Section 10	Inspection Direction Downstream	PLR TL384523ABX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-170147-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AB



20210617-170147-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 40% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ABX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	TL384523ABX	276430	276430



20210617-170147-snap0002.jpg, 00:00:15, 0.27 m
Water level, 60% % of the vertical dimension



20210617-170147-snap0003.jpg, 00:00:29, 0.87 m
Water level, 20% % of the vertical dimension, BACK FLOWING

Section Pictures - 17/06/2021 - TL384523ABX

Section 10	Inspection Direction Downstream	PLR TL384523ABX	Client's Job Ref 276430	Contractor's Job Ref 276430
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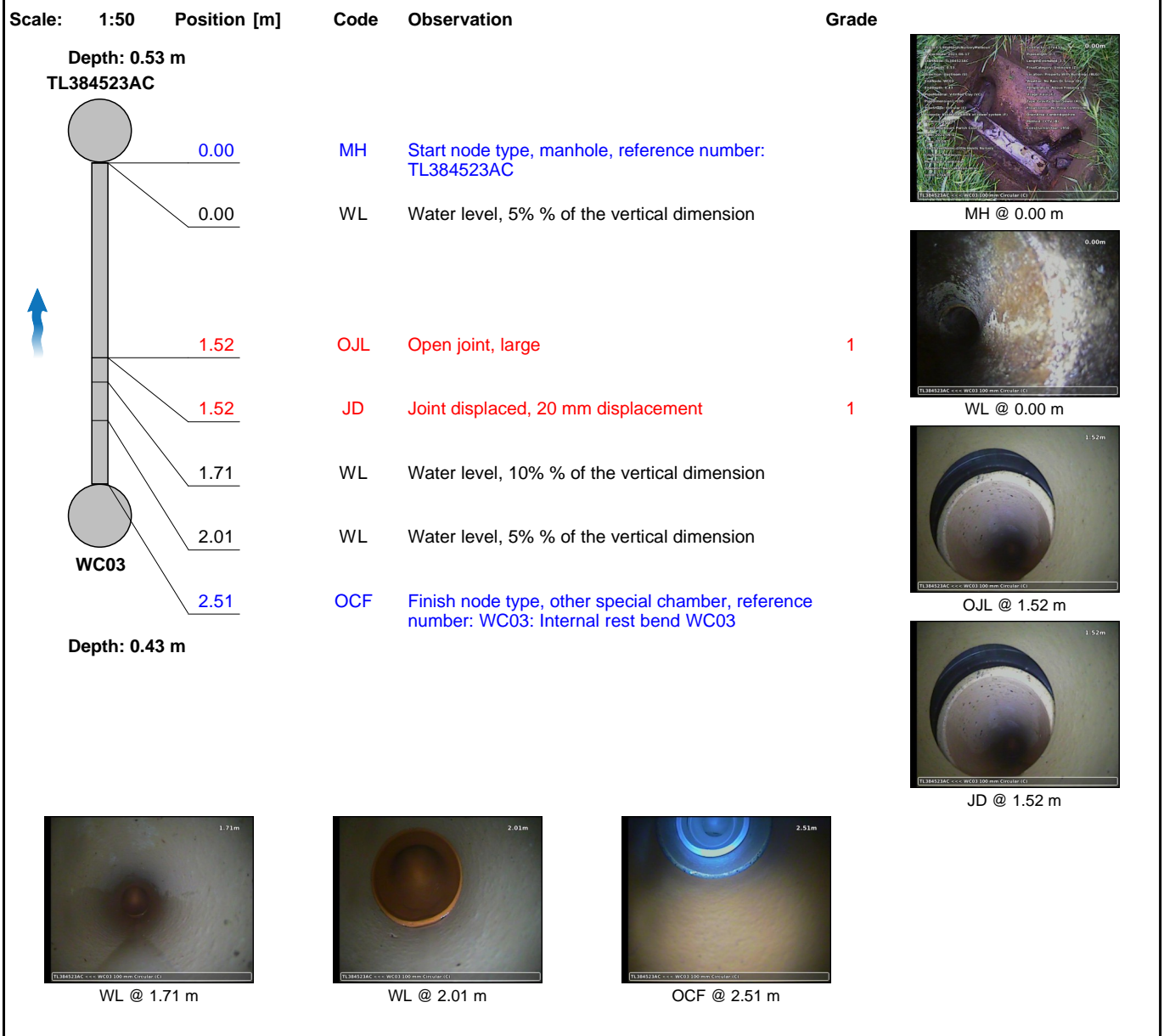


20210617-170147-snap0004.jpg, 00:00:43, 0.87 m
Finish node type, manhole, reference number: TL384523AC

Section Inspection - 17/06/2021 - WC03X

Section 11	Inspection 11	Date 17/06/21	Time 5:09	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR WC03X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	WC03
Road:	Little Hands Nursery	Inspected Length:	2.51 m	Upstream Pipe Depth:	0.430 m
Location:	Under a permanent building	Total Length:	2.51 m	Downstream Node:	TL384523AC
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.530 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
2		4.0	1.6	4.0	1.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - WC03X

Section 11	Inspection Direction Upstream	PLR WC03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-171046-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AC



20210617-171046-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC03X

Section 11	Inspection Direction Upstream	PLR WC03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-171046-snap0002.jpg, 00:00:23, 1.52 m
Open joint, large



20210617-171046-snap0003.jpg, 00:00:27, 1.52 m
Joint displaced, 20 mm displacement

Section Pictures - 17/06/2021 - WC03X

Section 11	Inspection Direction Upstream	PLR WC03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-171046-snap0004.jpg, 00:00:38, 1.71 m
Water level, 10% % of the vertical dimension



20210617-171046-snap0005.jpg, 00:00:47, 2.01 m
Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC03X

Section 11	Inspection Direction Upstream	PLR WC03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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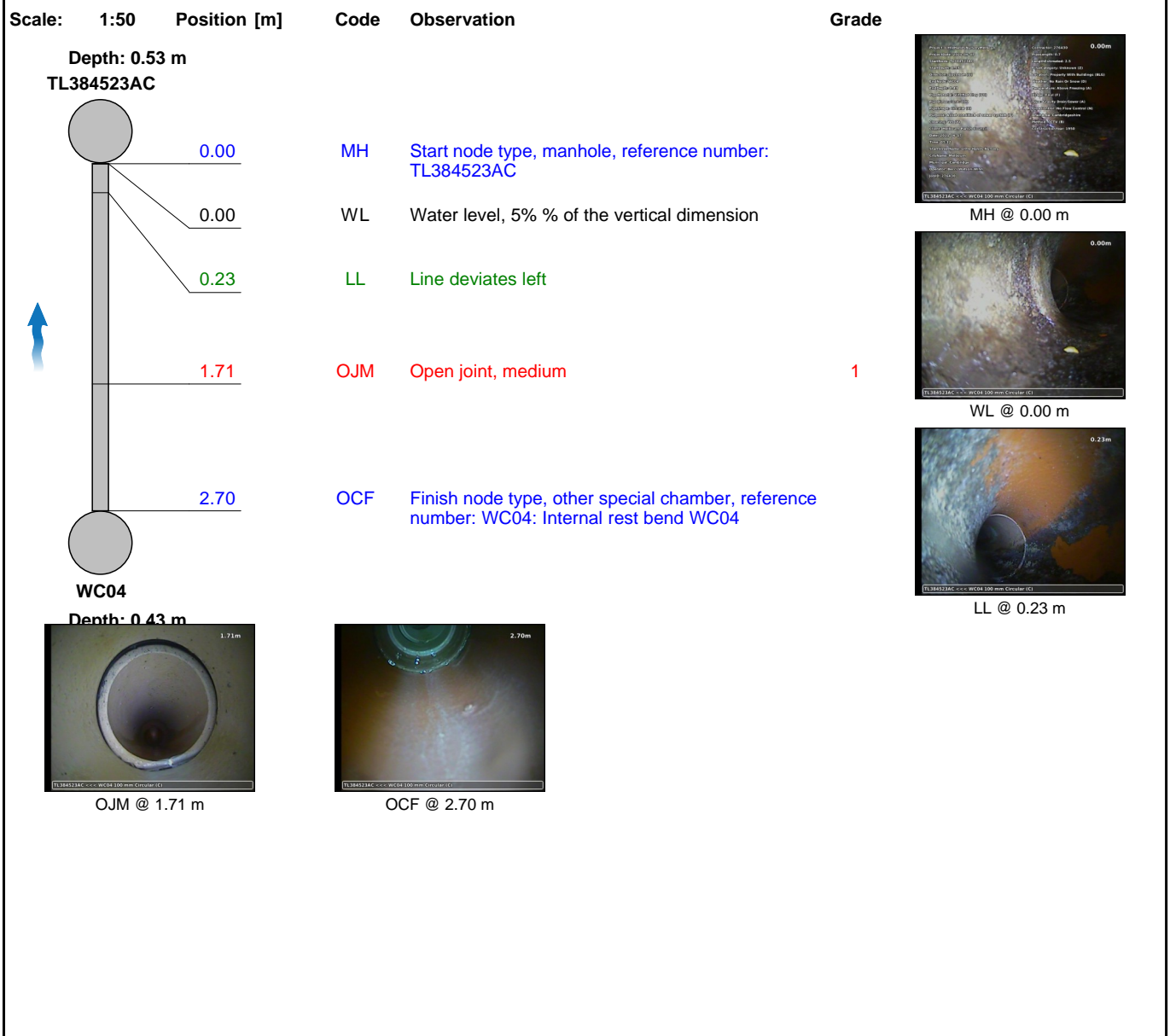


20210617-171046-snap0006.jpg, 00:01:00, 2.51 m
Finish node type, other special chamber, reference number: WC03, Internal rest bend WC03

Section Inspection - 17/06/2021 - WC04X

Section 12	Inspection 12	Date 17/06/21	Time 5:12	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR WC04X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	WC04
Road:	Little Hands Nursery	Inspected Length:	2.70 m	Upstream Pipe Depth:	0.430 m
Location:	Under a permanent building	Total Length:	2.70 m	Downstream Node:	TL384523AC
Surface Type:	Grass & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.530 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
1		1.0	0.4	1.0	1.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - WC04X

Section 12	Inspection Direction Upstream	PLR WC04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-171300-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AC



20210617-171300-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC04X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
12	Upstream	WC04X	276430	276430



20210617-171300-snap0002.jpg, 00:00:13, 0.23 m
Line deviates left



20210617-171300-snap0003.jpg, 00:00:29, 1.71 m
Open joint, medium

Section Pictures - 17/06/2021 - WC04X

Section 12	Inspection Direction Upstream	PLR WC04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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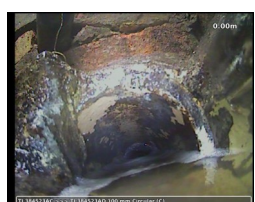





20210617-171300-snap0004.jpg, 00:00:43, 2.70 m
Finish node type, other special chamber, reference number: WC04, Internal rest bend WC04

Section Inspection - 17/06/2021 - TL384523ACX

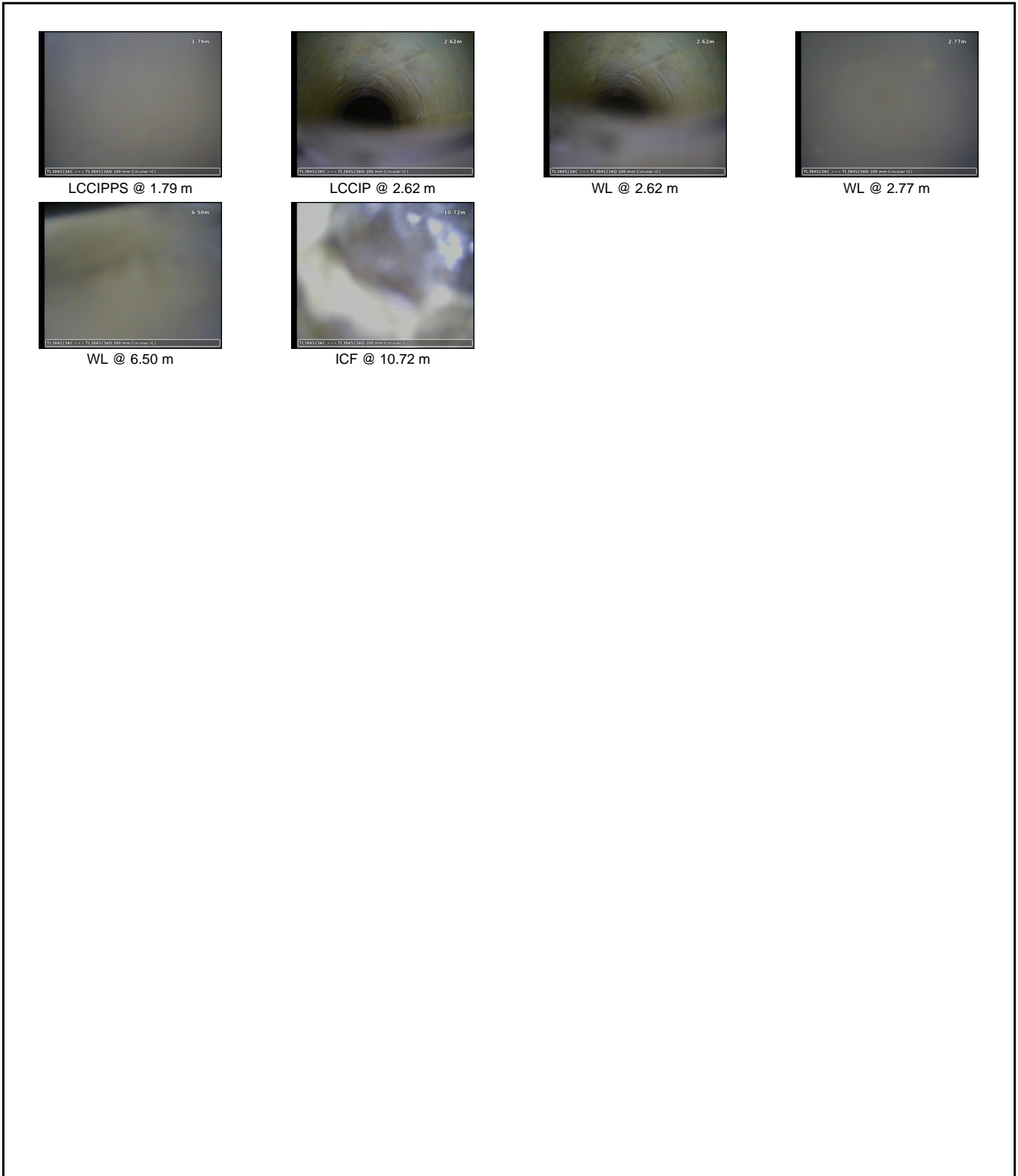
Section 13	Inspection 13	Date 17/06/21	Time 5:16	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523ACX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AC
Road:	Little Hands Nursery	Inspected Length:	10.72 m	Upstream Pipe Depth:	0.530 m
Location:	Other pedestrian area	Total Length:	10.72 m	Downstream Node:	TL384523AD
Surface Type:	Grass & Concrete Public Access Pa	Joint Length:	0.70 m	Downstream Pipe Depth:	0.510 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				

Scale:	1:94	Position [m]	Code	Observation	Grade
		Depth: 0.53 m TL384523AC			
		0.00	MH	Start node type, manhole, reference number: TL384523AC	 MH @ 0.00 m
		0.00	WL	Water level, 30% % of the vertical dimension	
		0.15	WL	Water level, 70% % of the vertical dimension	 WL @ 0.00 m
		0.46	CUW	Loss of vision, camera under water	
		0.46	S01 CUW	Loss of vision, camera under water, S01	
		0.46	WL	Water level, 100% % of the vertical dimension	 WL @ 0.15 m
		1.79	LCCIPPS	Lining of drain or sewer with cured-in-place lining changes to polyester at this point	
		2.62	LCCIP	Cured-in-place lining ends at this point	
		2.62	WL	Water level, 50% % of the vertical dimension	 CUW @ 0.46 m
		2.77	WL	Water level, 100% % of the vertical dimension	
		6.50	WL	Water level, 80% % of the vertical dimension	 WL @ 0.46 m
		10.72	F01 CUW	Loss of vision, camera under water, F01	
		10.72	ICF	Finish node type, inspection chamber, reference number: TL384523AD	
		TL384523AD Depth: 0.51 m			

Section Inspection - 17/06/2021 - TL384523ACX

Section 13	Inspection 13	Date 17/06/21	Time 5:16	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523ACX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



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 - 17/06/2021 - TL384523ACX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	TL384523ACX	276430	276430



20210617-171630-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AC



20210617-171630-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 30% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ACX

Section 13	Inspection Direction Downstream	PLR TL384523ACX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-171630-snap0002.jpg, 00:00:20, 0.15 m
Water level, 70% % of the vertical dimension



20210617-171630-snap0003.jpg, 00:00:33, 0.46 m
Loss of vision, camera under water, S01

Section Pictures - 17/06/2021 - TL384523ACX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	TL384523ACX	276430	276430



20210617-171630-snap0004.jpg, 00:00:37, 0.46 m
Water level, 100% % of the vertical dimension



20210617-171630-snap0005.jpg, 00:01:19, 1.79 m
Lining of drain or sewer with cured-in-place lining changes to polyester at this point

Section Pictures - 17/06/2021 - TL384523ACX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	TL384523ACX	276430	276430



20210617-171630-snap0007.jpg, 00:02:01, 2.62 m
Cured-in-place lining ends at this point



20210617-171630-snap0006.jpg, 00:01:46, 2.62 m
Water level, 50% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ACX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Downstream	TL384523ACX	276430	276430



20210617-171630-snap0008.jpg, 00:02:09, 2.77 m
Water level, 100% % of the vertical dimension



20210617-171630-snap0009.jpg, 00:02:34, 6.50 m
Water level, 80% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ACX

Section 13	Inspection Direction Downstream	PLR TL384523ACX	Client's Job Ref 276430	Contractor's Job Ref 276430
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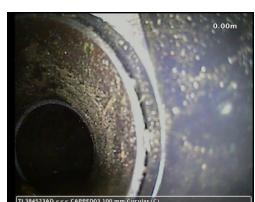
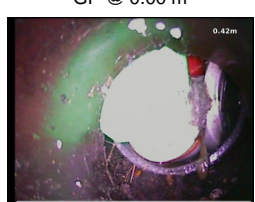
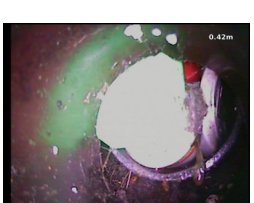


20210617-171630-snap0010.jpg, 00:03:18, 10.72 m
Finish node type, inspection chamber, reference number: TL384523AD

Section Inspection - 17/06/2021 - CAPPED03X

Section 14	Inspection 14	Date 17/06/21	Time 5:26	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CAPPED03X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	CAPPED03
Road:	Little Hands Nursery	Inspected Length:	0.42 m	Upstream Pipe Depth:	0.470 m
Location:	Other pedestrian area	Total Length:	0.42 m	Downstream Node:	TL384523AD
Surface Type:	Grass	Joint Length:	0.70 m	Downstream Pipe Depth:	0.510 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				

Scale:	1:50	Position [m]	Code	Observation	Grade
		Depth: 0.51 m TL384523AD			
		0.00	IC	Start node type, inspection chamber, reference number: TL384523AD	 IC @ 0.00 m
		0.00	WL	Water level, 0% % of the vertical dimension	
		0.00	GP	General photograph taken at this point	 GP @ 0.00 m
		0.42	REM	General remark: APPEARS TO BE A CAPPED OFF LINE	
		0.42	OCF	Finish node type, other special chamber, reference number: CAPPED03: CAPPED OFF LINE	 REM @ 0.42 m
		Depth: 0.47 m			
		 OCF @ 0.42 m			

Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
0		0.0	0.0	0.0	1.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - CAPPED03X

Section 14	Inspection Direction Upstream	PLR CAPPED03X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-172705-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, inspection chamber, reference number: TL384523AD



20210617-172705-snap0001.jpg, 00:00:09, 0.00 m
 General photograph taken at this point

Section Pictures - 17/06/2021 - CAPPED03X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
14	Upstream	CAPPED03X	276430	276430



20210617-172705-snap0002.jpg, 00:00:31, 0.42 m
General remark, APPEARS TO BE A CAPPED OFF LINE

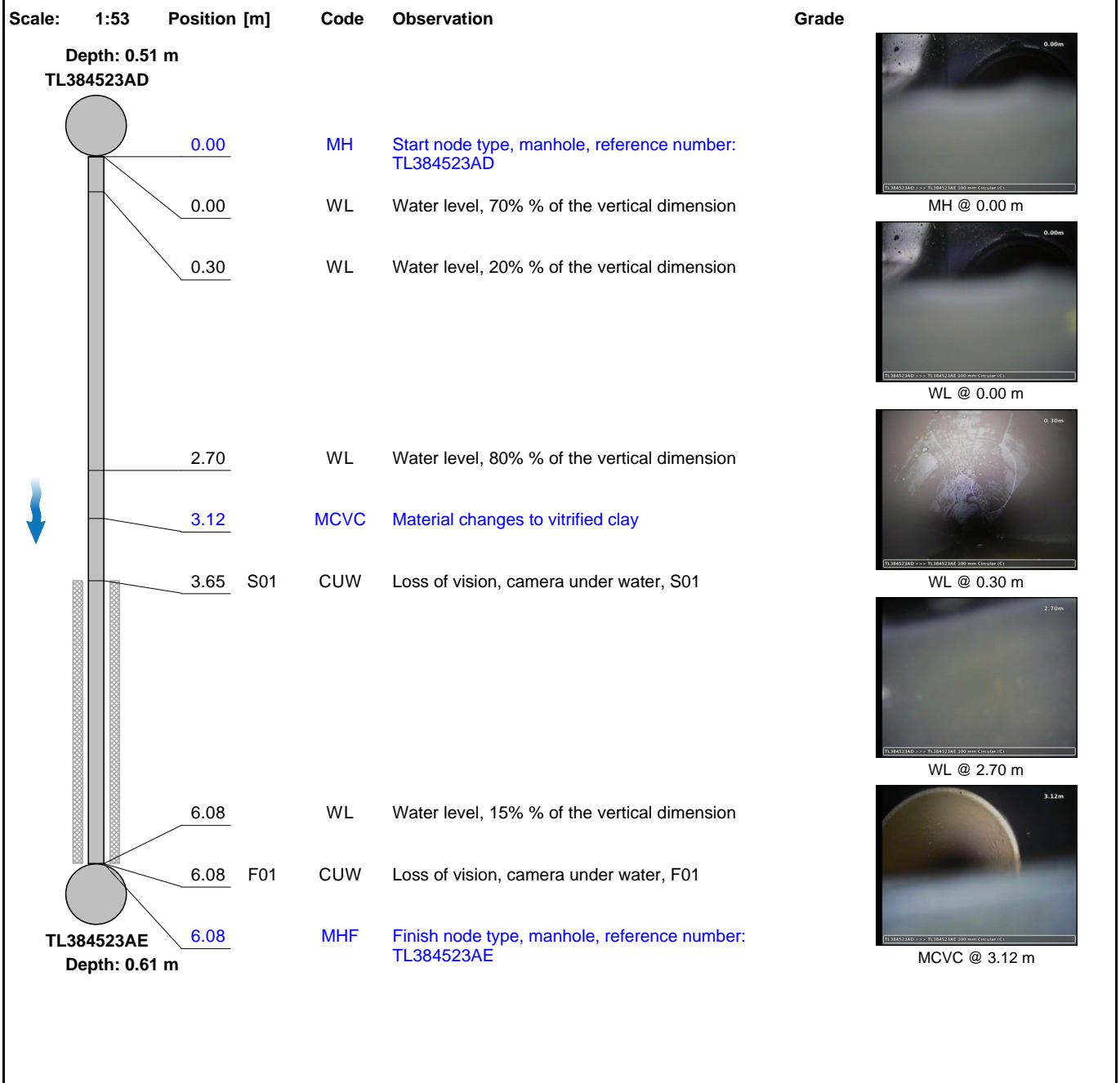


20210617-172705-snap0003.jpg, 00:00:48, 0.42 m
Finish node type, other special chamber, reference number: CAPPED03, CAPPED OFF LINE

Section Inspection - 17/06/2021 - TL384523ADX

Section 15	Inspection 15	Date 17/06/21	Time 5:32	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523ADX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AD
Road:	Little Hands Nursery	Inspected Length:	6.08 m	Upstream Pipe Depth:	0.510 m
Location:	Property with buildings	Total Length:	6.08 m	Downstream Node:	TL384523AE
Surface Type:	Grass & Under Fence To Concrete	Joint Length:	0.70 m	Downstream Pipe Depth:	0.610 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Section Inspection - 17/06/2021 - TL384523ADX

Section 15	Inspection 15	Date 17/06/21	Time 5:32	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523ADX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



CUW @ 3.65 m



WL @ 6.08 m



MHF @ 6.08 m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - TL384523ADX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	TL384523ADX	276430	276430



20210617-173215-snap0000.jpg, 00:00:01, 0.00 m
Start node type, manhole, reference number: TL384523AD



20210617-173215-snap0001.jpg, 00:00:07, 0.00 m
Water level, 70% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ADX

Section 15	Inspection Direction Downstream	PLR TL384523ADX	Client's Job Ref 276430	Contractor's Job Ref 276430
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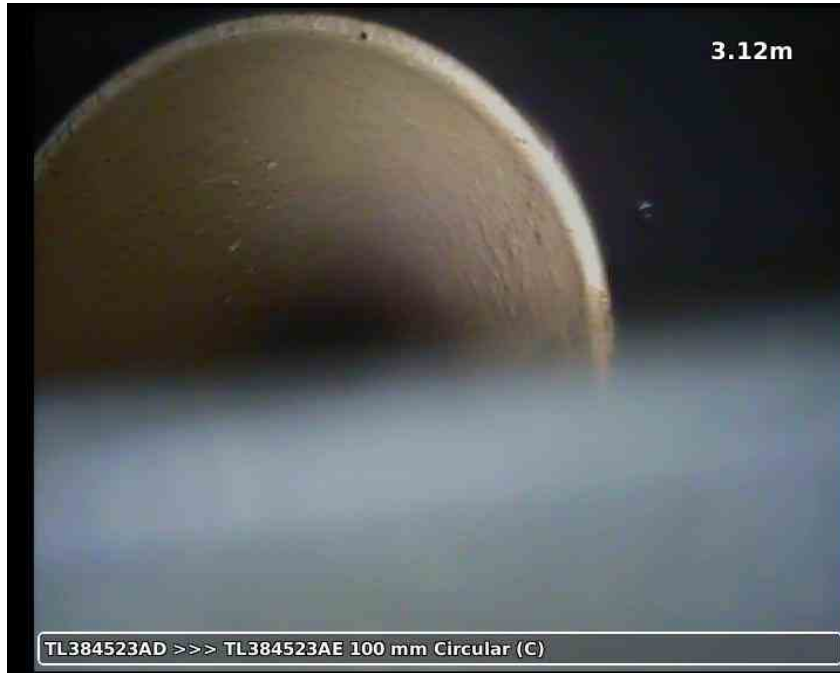
20210617-173215-snap0002.jpg, 00:00:33, 0.30 m
Water level, 20% % of the vertical dimension



20210617-173215-snap0003.jpg, 00:00:56, 2.70 m
Water level, 80% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523ADX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	TL384523ADX	276430	276430



20210617-173215-snap0004.jpg, 00:01:18, 3.12 m
Material changes to vitrified clay



20210617-173215-snap0005.jpg, 00:01:34, 3.65 m
Loss of vision, camera under water, S01

Section Pictures - 17/06/2021 - TL384523ADX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Downstream	TL384523ADX	276430	276430



20210617-173215-snap0006.jpg, 00:02:11, 6.08 m
Water level, 15% % of the vertical dimension

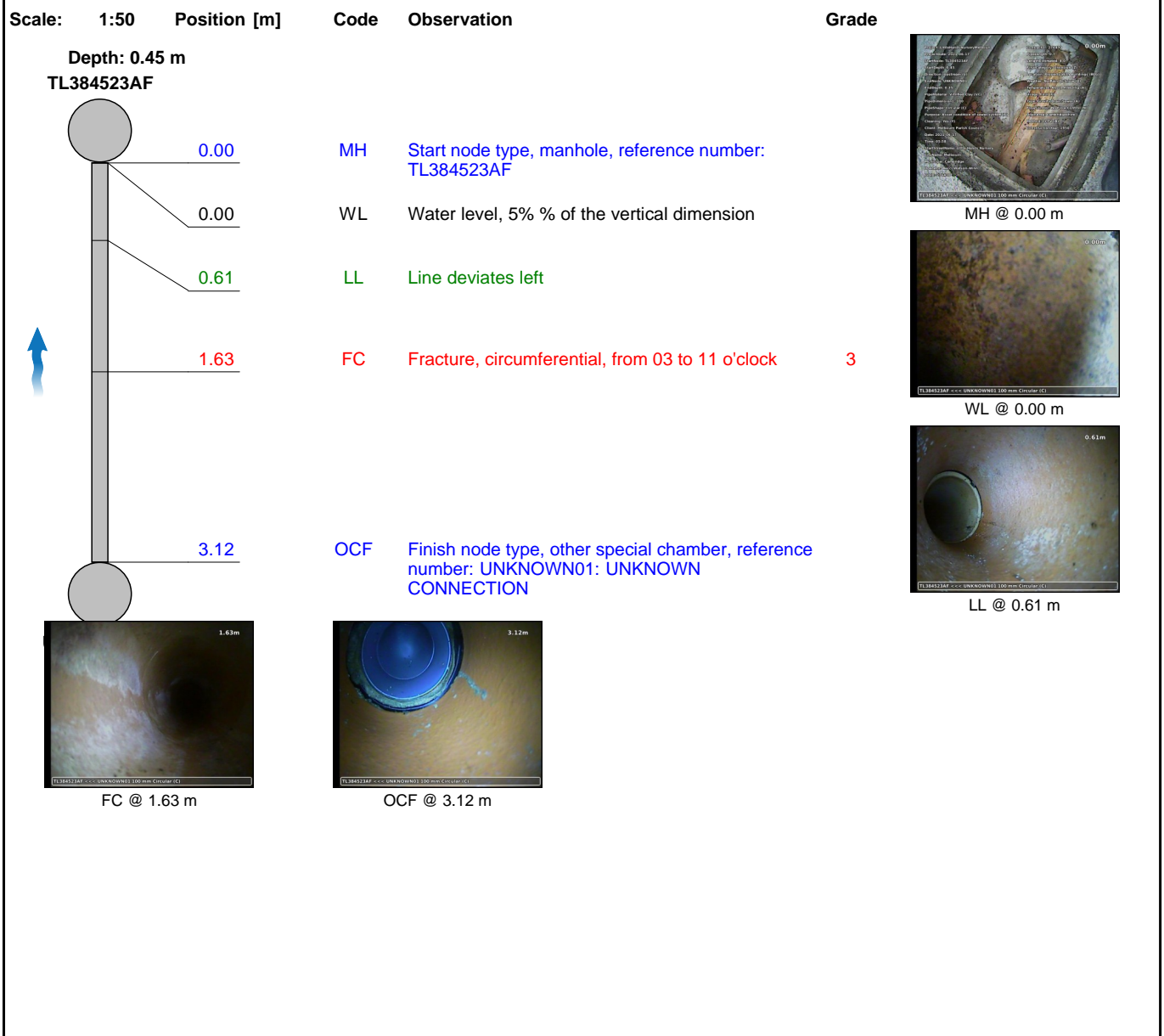


20210617-173215-snap0007.jpg, 00:02:19, 6.08 m
Finish node type, manhole, reference number: TL384523AE

Section Inspection - 17/06/2021 - UNKNOWN01X

Section 16	Inspection 16	Date 17/06/21	Time 5:58	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR UNKNOWN01X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN01
Road:	Little Hands Nursery	Inspected Length:	3.12 m	Upstream Pipe Depth:	0.350 m
Location:	Under a permanent building	Total Length:	3.12 m	Downstream Node:	TL384523AF
Surface Type:	Concrete Car Park & Under Buildi	Joint Length:	0.70 m	Downstream Pipe Depth:	0.450 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	Unsure if this line is still in used or not.				
Recommendations:	None				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
1		40.0	12.8	40.0	3.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - UNKNOWN01X

Section 16	Inspection Direction Upstream	PLR UNKNOWN01X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-175837-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AF



20210617-175837-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - UNKNOWN01X

Section 16	Inspection Direction Upstream	PLR UNKNOWN01X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-175837-snap0002.jpg, 00:00:22, 0.61 m
Line deviates left



20210617-175837-snap0003.jpg, 00:00:41, 1.63 m
Fracture, circumferential, from 03 to 11 o'clock

Section Pictures - 17/06/2021 - UNKNOWN01X

Section 16	Inspection Direction Upstream	PLR UNKNOWN01X	Client's Job Ref 276430	Contractor's Job Ref 276430
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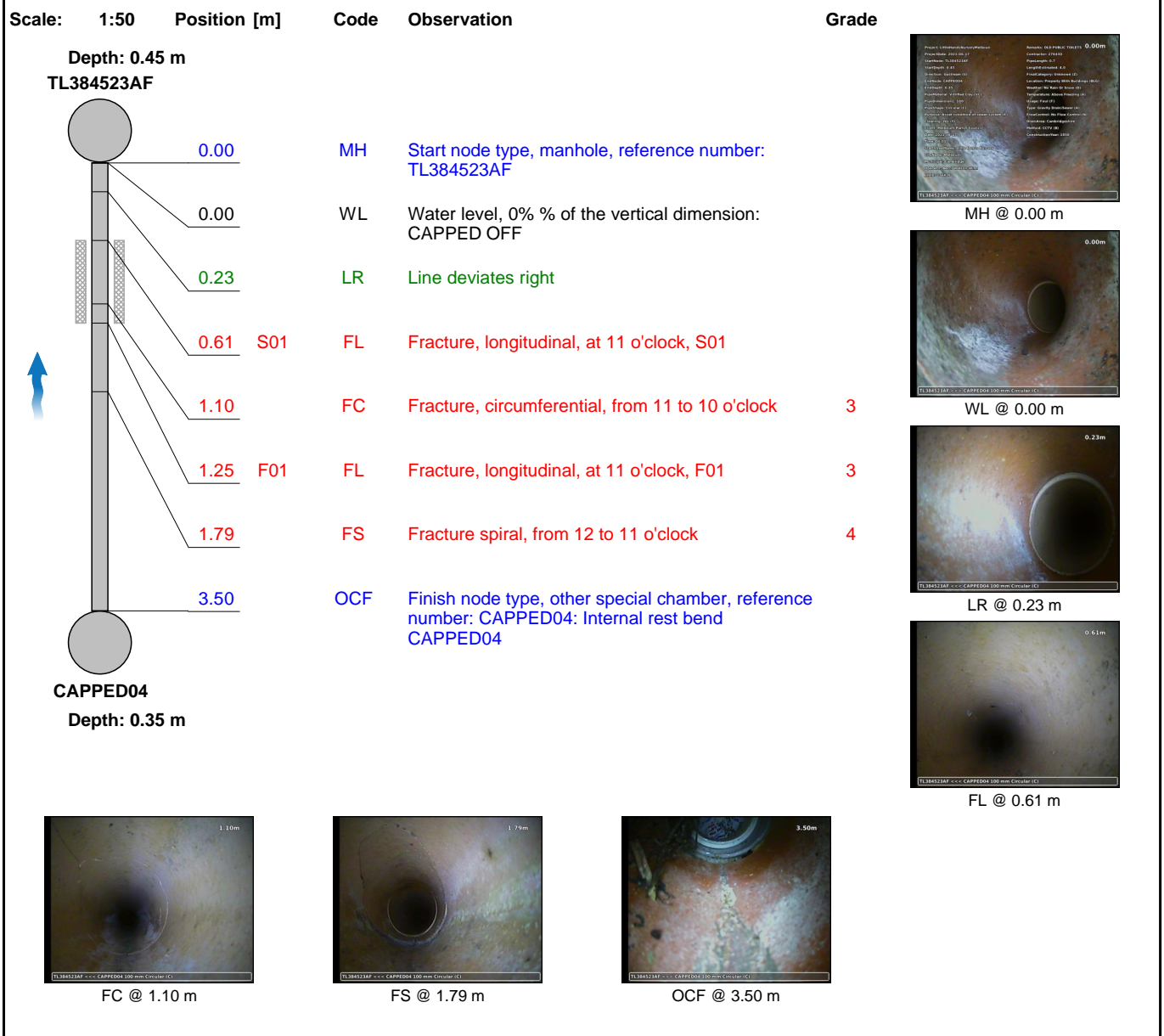


20210617-175837-snap0004.jpg, 00:01:05, 3.12 m
Finish node type, other special chamber, reference number: UNKNOWN01, UNKNOWN CONNECTION

Section Inspection - 17/06/2021 - CAPPED04X

Section 17	Inspection 17	Date 17/06/21	Time 6:01	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CAPPED04X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	CAPPED04
Road:	Little Hands Nursery	Inspected Length:	3.50 m	Upstream Pipe Depth:	0.350 m
Location:	Under a permanent building	Total Length:	3.50 m	Downstream Node:	TL384523AF
Surface Type:	Concrete Car Park & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.450 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	OLD PUBLIC TOILETS				
Recommendations:	None				



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
3	80.0	45.8	160.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - CAPPED04X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	CAPPED04X	276430	276430



20210617-180144-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AF



20210617-180144-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 0% % of the vertical dimension, CAPPED OFF

Section Pictures - 17/06/2021 - CAPPED04X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream	CAPPED04X	276430	276430



20210617-180144-snap0002.jpg, 00:00:15, 0.23 m
Line deviates right



20210617-180144-snap0003.jpg, 00:00:35, 0.61 m
Fracture, longitudinal, at 11 o'clock, S01

Section Pictures - 17/06/2021 - CAPPED04X

Section 17	Inspection Direction Upstream	PLR CAPPED04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-180144-snap0004.jpg, 00:00:50, 1.10 m
Fracture, circumferential, from 11 to 10 o'clock



20210617-180144-snap0005.jpg, 00:01:11, 1.79 m
Fracture spiral, from 12 to 11 o'clock

Section Pictures - 17/06/2021 - CAPPED04X

Section 17	Inspection Direction Upstream	PLR CAPPED04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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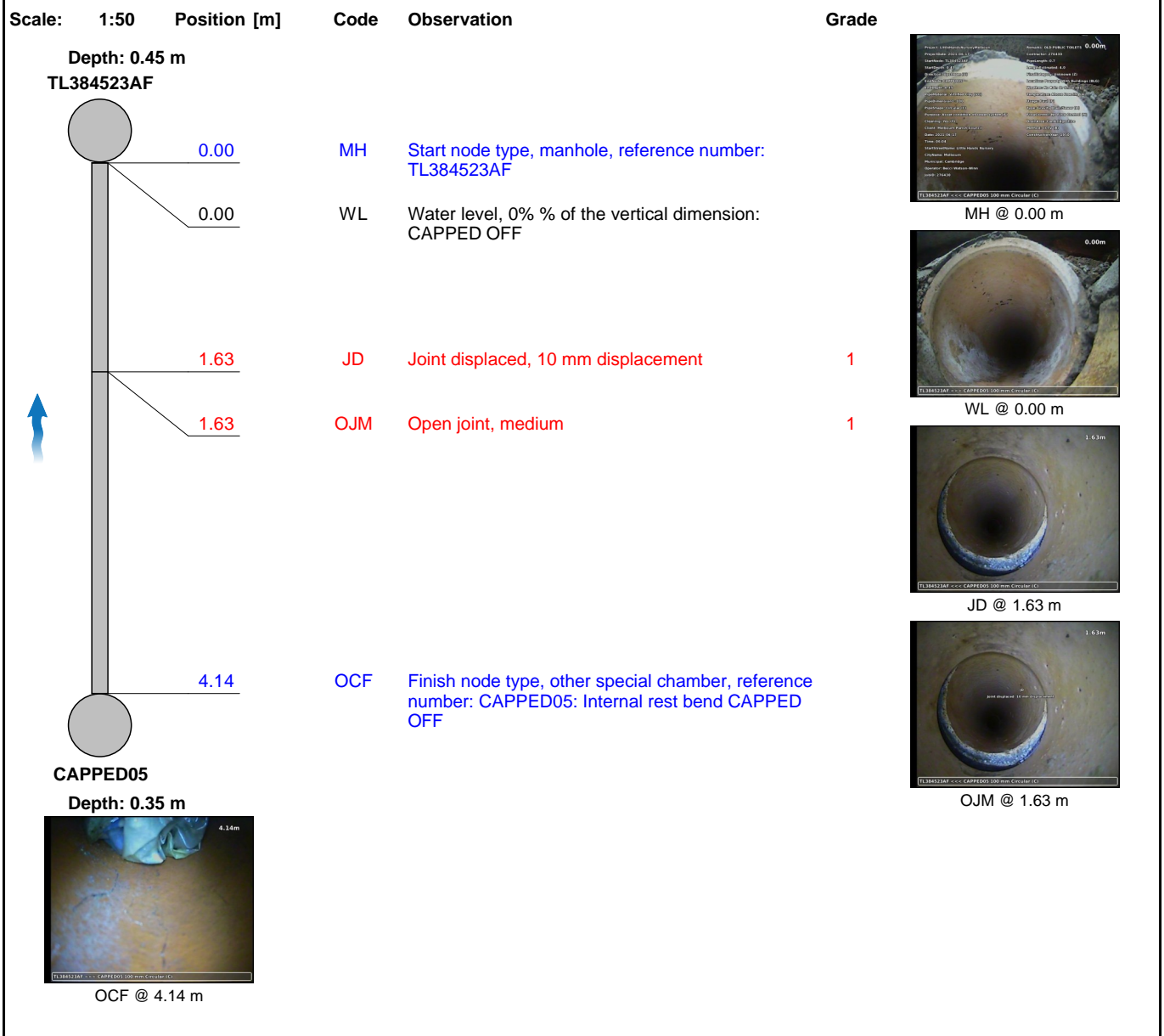


20210617-180144-snap0006.jpg, 00:01:38, 3.50 m
Finish node type, other special chamber, reference number: CAPPED04, Internal rest bend
CAPPED04

Section Inspection - 17/06/2021 - CAPPED05X

Section 18	Inspection 18	Date 17/06/21	Time 6:04	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CAPPED05X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	CAPPED05
Road:	Little Hands Nursery	Inspected Length:	4.14 m	Upstream Pipe Depth:	0.350 m
Location:	Under a permanent building	Total Length:	4.14 m	Downstream Node:	TL384523AF
Surface Type:	Concrete Car Park & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.450 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	OLD PUBLIC TOILETS				
Recommendations:	None				



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	3.0	0.7	3.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - CAPPED05X

Section 18	Inspection Direction Upstream	PLR CAPPED05X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-180419-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AF



20210617-180419-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 0% % of the vertical dimension, CAPPED OFF

Section Pictures - 17/06/2021 - CAPPED05X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Upstream	CAPPED05X	276430	276430



20210617-180419-snap0002.jpg, 00:00:34, 1.63 m
Joint displaced, 10 mm displacement



20210617-180419-snap0003.jpg, 00:00:40, 1.63 m
Open joint, medium

Section Pictures - 17/06/2021 - CAPPED05X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
18	Upstream	CAPPED05X	276430	276430

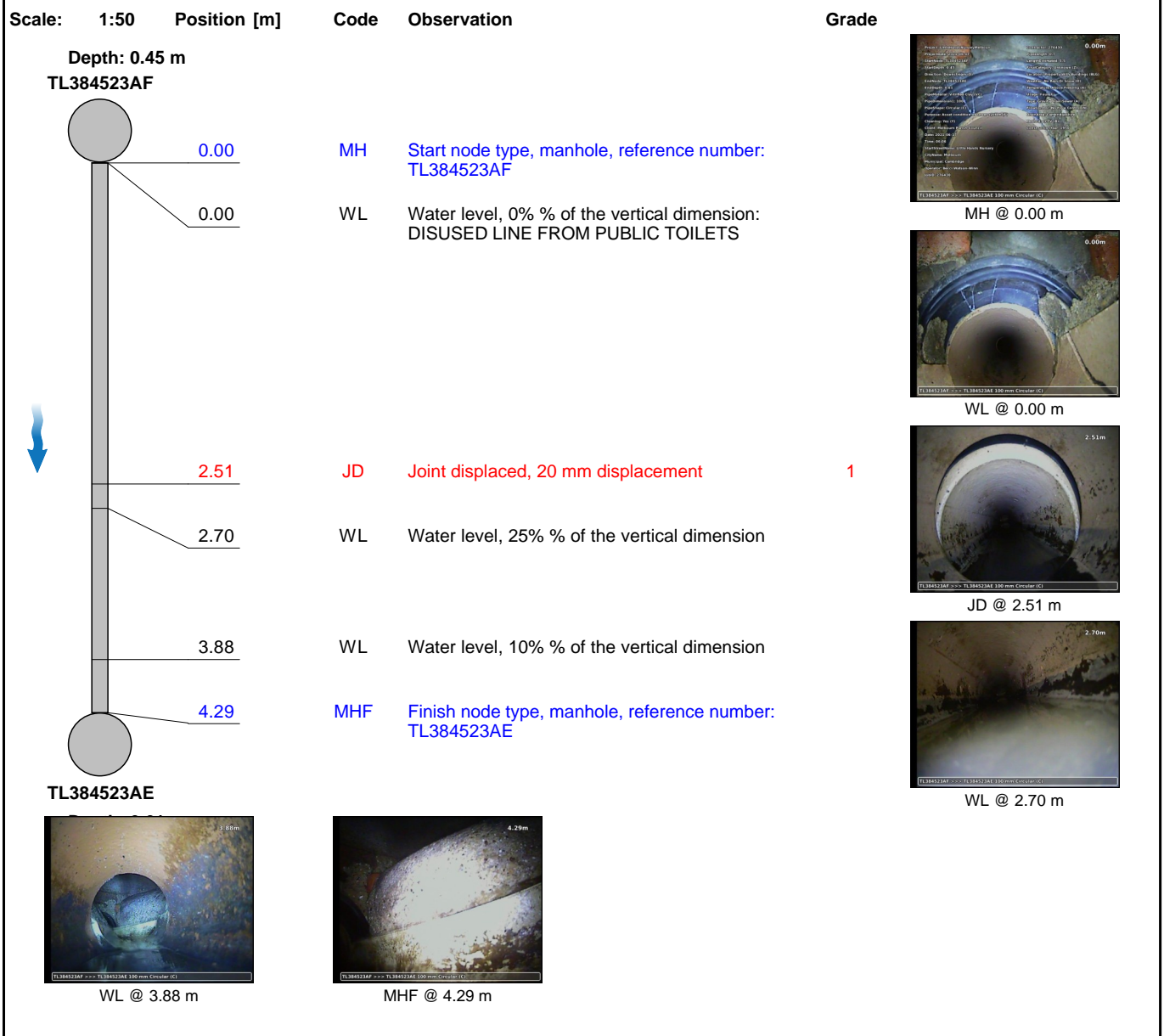


20210617-180419-snap0004.jpg, 00:01:03, 4.14 m
Finish node type, other special chamber, reference number: CAPPED05, Internal rest bend
CAPPED OFF

Section Inspection - 17/06/2021 - TL384523AFX

Section 19	Inspection 19	Date 17/06/21	Time 6:06	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AFX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AF
Road:	Little Hands Nursery	Inspected Length:	4.29 m	Upstream Pipe Depth:	0.450 m
Location:	Property with buildings	Total Length:	4.29 m	Downstream Node:	TL384523AE
Surface Type:	Concrete Car Park	Joint Length:	0.70 m	Downstream Pipe Depth:	0.610 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	Chamber lid is damaged				
Recommendations:	Replace chamber cover & frame				



Construction Features					Miscellaneous Features						
Structural Defects					Service & Operational Observations						
STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
1		2.0	0.5	2.0	1.0	0		0.0	0.0	0.0	1.0

Section Pictures - 17/06/2021 - TL384523AFX

Section 19	Inspection Direction Downstream	PLR TL384523AFX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-180721-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AF



20210617-180721-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 0% % of the vertical dimension, DISUSED LINE FROM PUBLIC TOILETS

Section Pictures - 17/06/2021 - TL384523AFX

Section 19	Inspection Direction Downstream	PLR TL384523AFX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-180721-snap0002.jpg, 00:00:46, 2.51 m
Joint displaced, 20 mm displacement



20210617-180721-snap0003.jpg, 00:00:52, 2.70 m
Water level, 25% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AFX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Downstream	TL384523AFX	276430	276430



20210617-180721-snap0004.jpg, 00:01:09, 3.88 m
Water level, 10% % of the vertical dimension

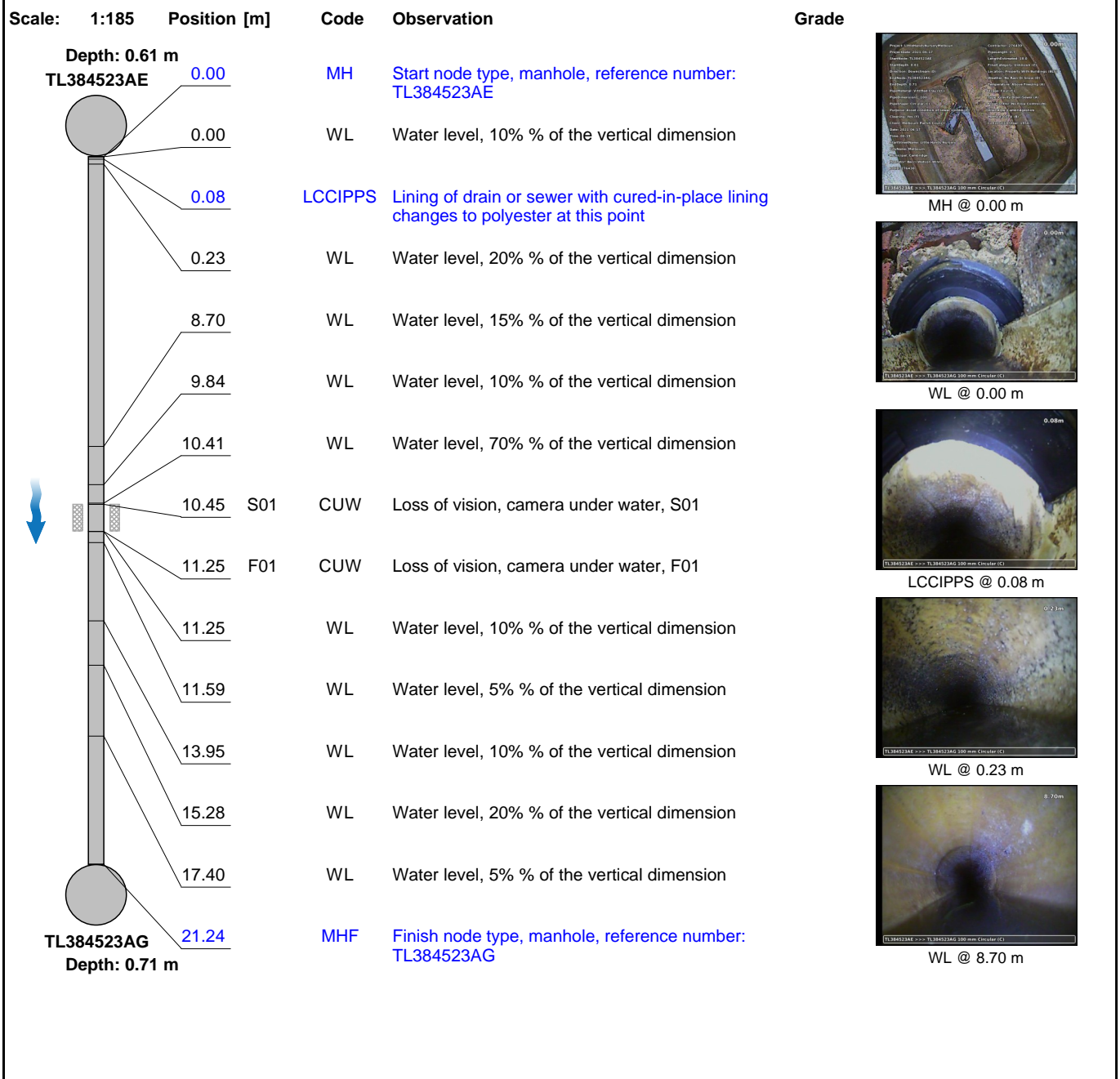


20210617-180721-snap0005.jpg, 00:01:17, 4.29 m
Finish node type, manhole, reference number: TL384523AE

Section Inspection - 17/06/2021 - TL384523AEX

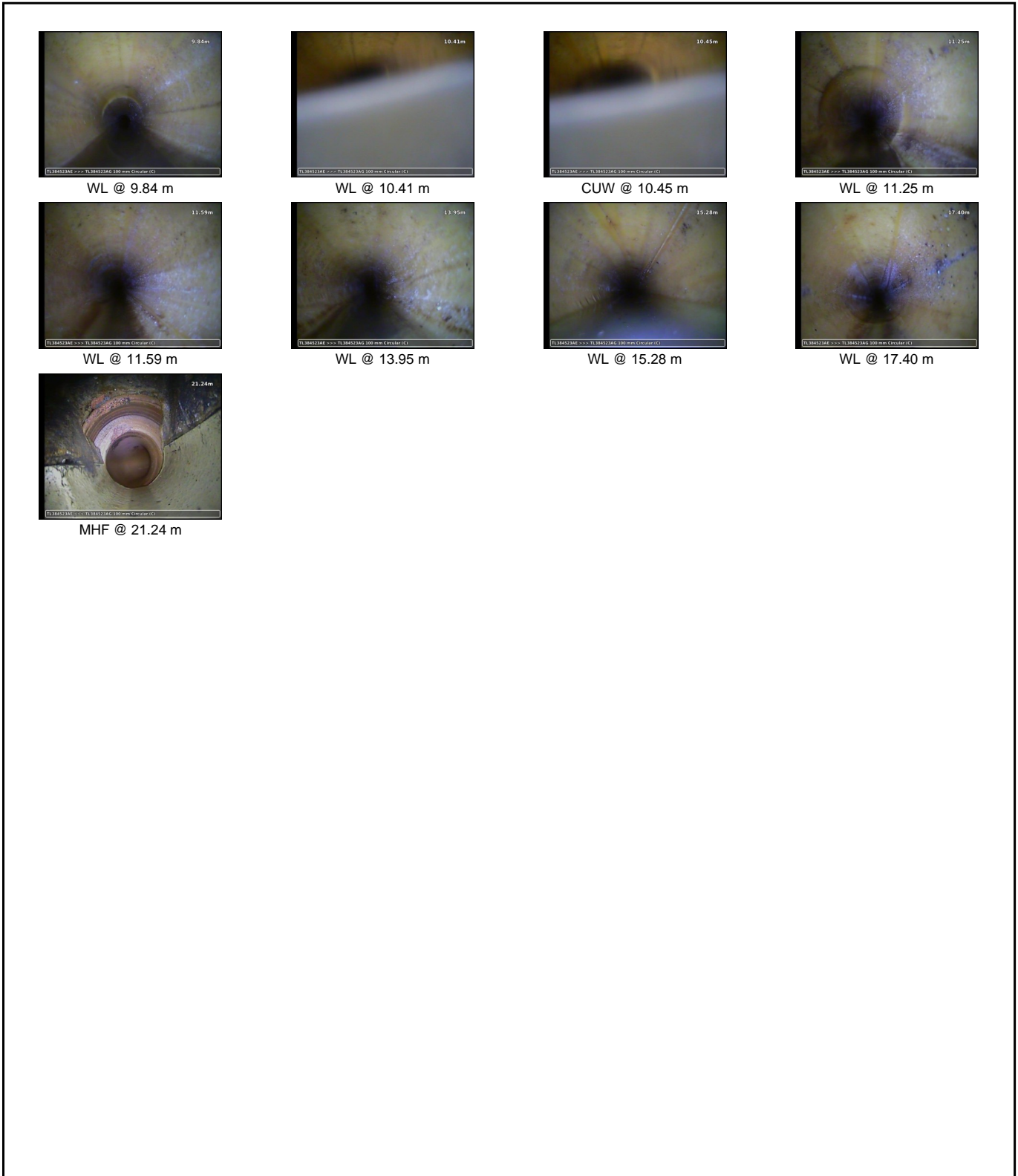
Section 20	Inspection 20	Date 17/06/21	Time 6:19	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AEX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AE
Road:	Little Hands Nursery	Inspected Length:	21.24 m	Upstream Pipe Depth:	0.610 m
Location:	Property with buildings	Total Length:	21.24 m	Downstream Node:	TL384523AG
Surface Type:	Concrete Car Park	Joint Length:	0.70 m	Downstream Pipe Depth:	0.710 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Section Inspection - 17/06/2021 - TL384523AEX

Section 20	Inspection 20	Date 17/06/21	Time 6:19	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AEX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



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 - 17/06/2021 - TL384523AEX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Downstream	TL384523AEX	276430	276430



20210617-181934-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AE



20210617-181934-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AEX

Section 20	Inspection Direction Downstream	PLR TL384523AEX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-181934-snap0002.jpg, 00:00:16, 0.08 m
Lining of drain or sewer with cured-in-place lining changes to polyester at this point



20210617-181934-snap0003.jpg, 00:00:21, 0.23 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AEX

Section 20	Inspection Direction Downstream	PLR TL384523AEX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-181934-snap0004.jpg, 00:01:40, 8.70 m
Water level, 15% % of the vertical dimension



20210617-181934-snap0005.jpg, 00:01:54, 9.84 m
Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AEX

Section 20	Inspection Direction Downstream	PLR TL384523AEX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-181934-snap0006.jpg, 00:02:02, 10.41 m
Water level, 70% % of the vertical dimension



20210617-181934-snap0007.jpg, 00:02:12, 10.45 m
Loss of vision, camera under water, S01

Section Pictures - 17/06/2021 - TL384523AEX

Section 20	Inspection Direction Downstream	PLR TL384523AEX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-181934-snap0008.jpg, 00:02:25, 11.25 m
Water level, 10% % of the vertical dimension



20210617-181934-snap0009.jpg, 00:02:31, 11.59 m
Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AEX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Downstream	TL384523AEX	276430	276430



20210617-181934-snap0010.jpg, 00:02:53, 13.95 m
Water level, 10% % of the vertical dimension



20210617-181934-snap0011.jpg, 00:03:08, 15.28 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AEX

Section 20	Inspection Direction Downstream	PLR TL384523AEX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-181934-snap0012.jpg, 00:03:34, 17.40 m
Water level, 5% % of the vertical dimension

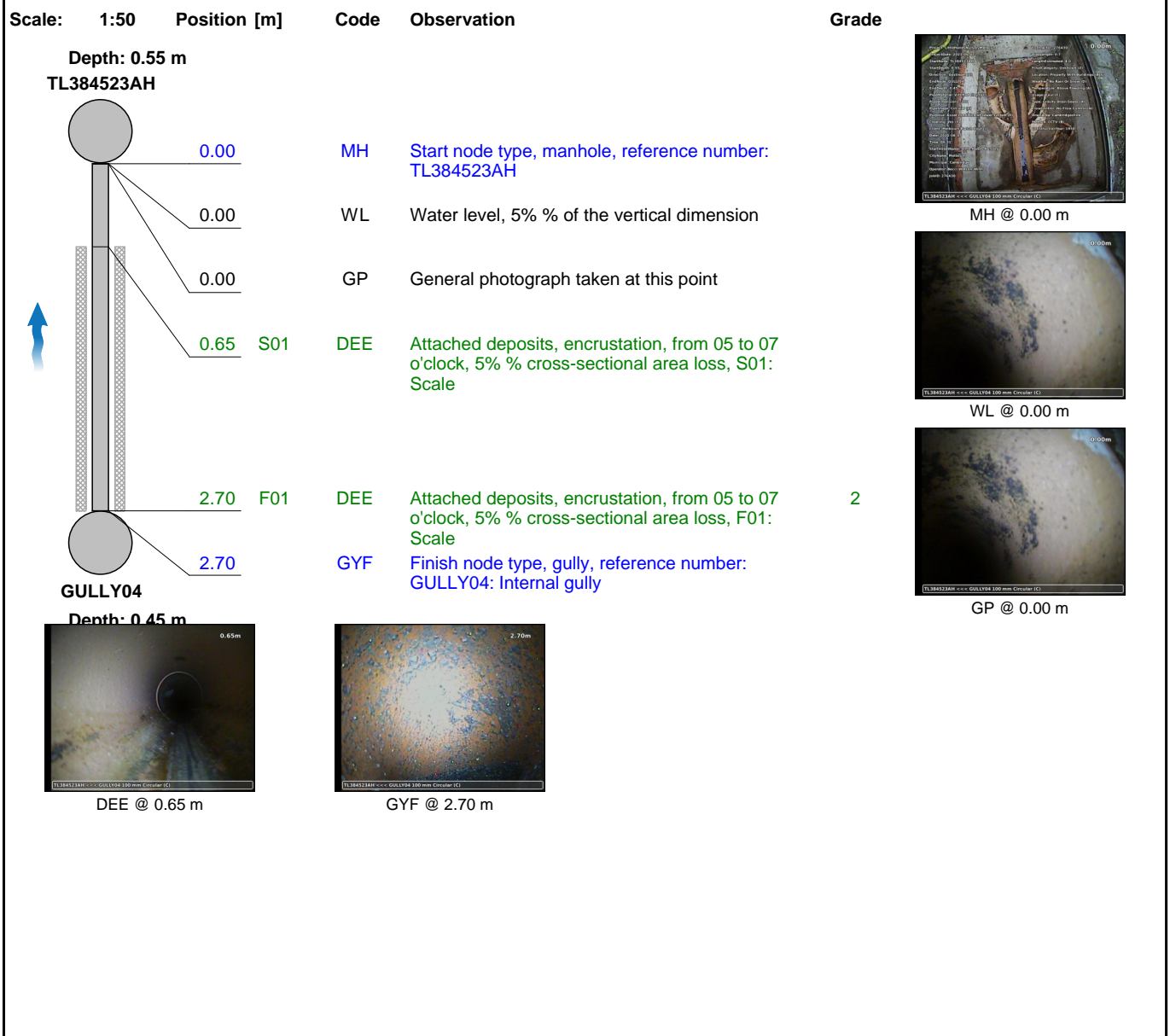


20210617-181934-snap0013.jpg, 00:04:08, 21.24 m
Finish node type, manhole, reference number: TL384523AG

Section Inspection - 17/06/2021 - GULLY04X

Section 21	Inspection 21	Date 17/06/21	Time 6:31	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY04X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY04
Road:	Little Hands Nursery	Inspected Length:	2.70 m	Upstream Pipe Depth:	0.450 m
Location:	Under a permanent building	Total Length:	2.70 m	Downstream Node:	TL384523AH
Surface Type:	Concrete Car Park & Under Buildin	Joint Length:	0.70 m	Downstream Pipe Depth:	0.550 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



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	1	1.0	1.1	3.0	3.0

Section Pictures - 17/06/2021 - GULLY04X

Section 21	Inspection Direction Upstream	PLR GULLY04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183231-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AH



20210617-183231-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - GULLY04X

Section 21	Inspection Direction Upstream	PLR GULLY04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183231-snap0002.jpg, 00:00:07, 0.00 m
General photograph taken at this point



20210617-183231-snap0003.jpg, 00:00:12, 0.65 m
Attached deposits, encrustation, from 05 to 07 o'clock, 5% % cross-sectional area loss, S01,
Scale

Section Pictures - 17/06/2021 - GULLY04X

Section 21	Inspection Direction Upstream	PLR GULLY04X	Client's Job Ref 276430	Contractor's Job Ref 276430
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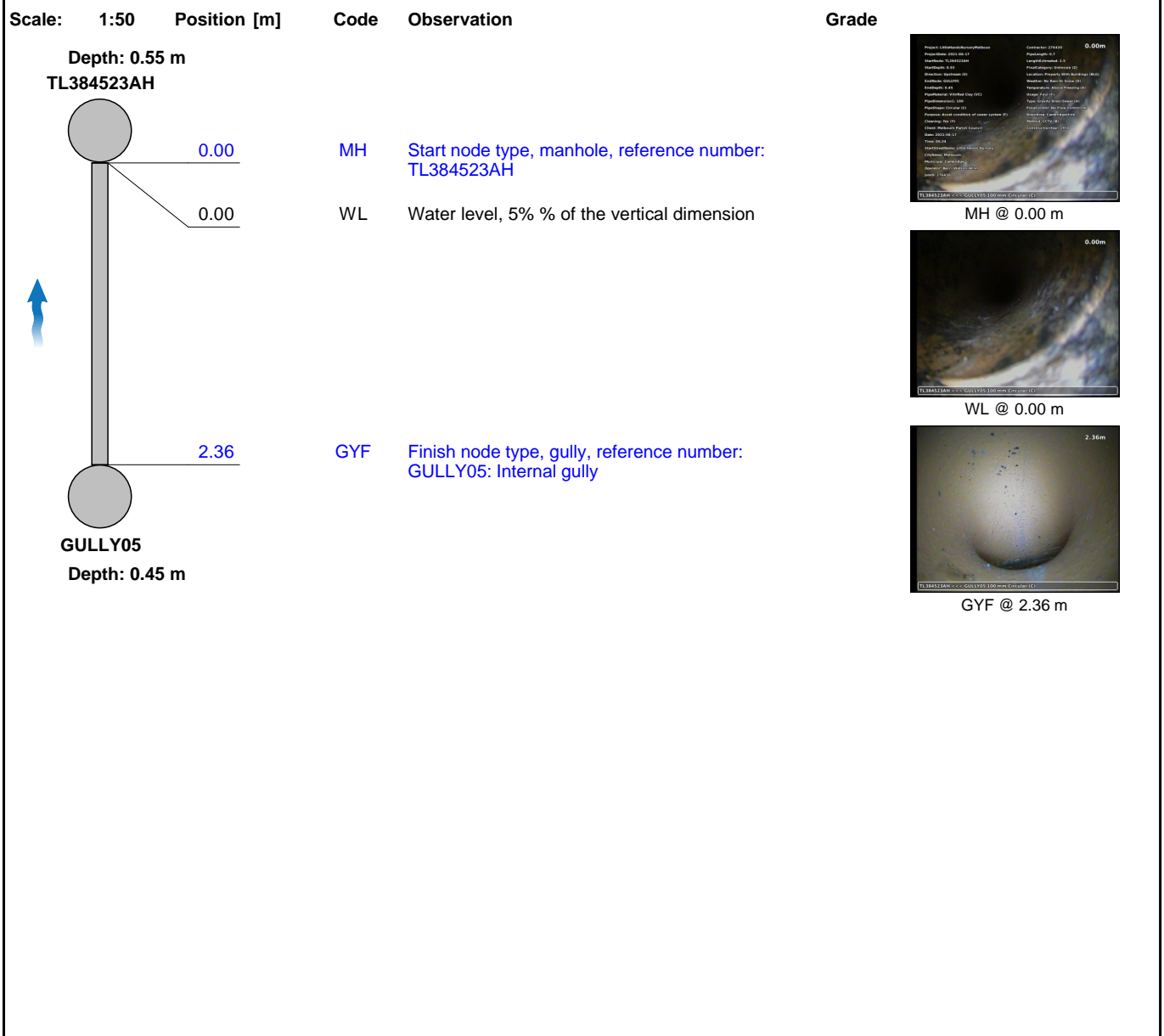


20210617-183231-snap0004.jpg, 00:00:37, 2.70 m
Finish node type, gully, reference number: GULLY04, Internal gully

Section Inspection - 17/06/2021 - GULLY05X

Section 22	Inspection 22	Date 17/06/21	Time 6:34	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY05X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

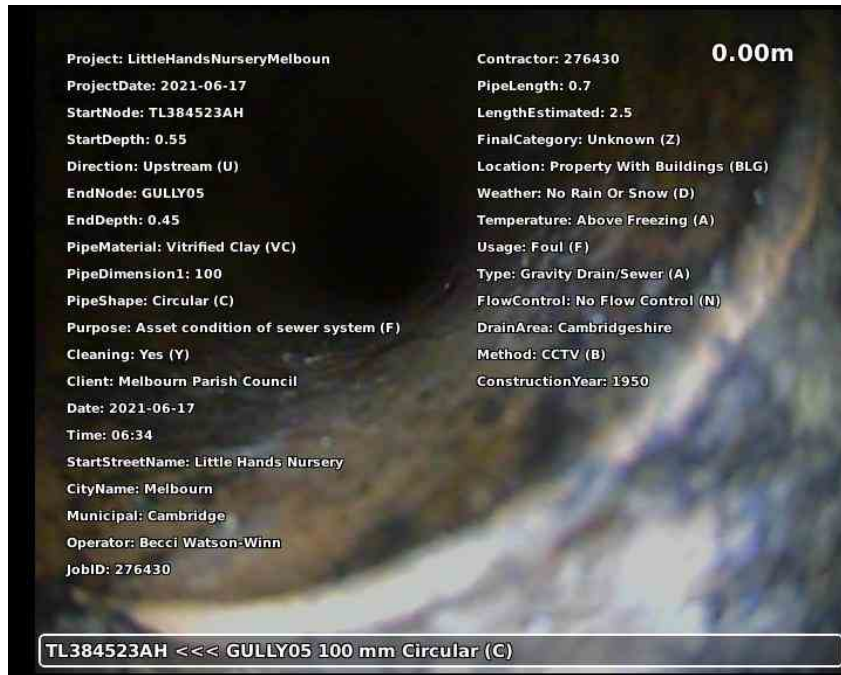
Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY05
Road:	Little Hands Nursery	Inspected Length:	2.36 m	Upstream Pipe Depth:	0.450 m
Location:	Under a permanent building	Total Length:	2.36 m	Downstream Node:	TL384523AH
Surface Type:	Concrete Car Park & Under Building	Joint Length:	0.70 m	Downstream Pipe Depth:	0.550 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



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 - 17/06/2021 - GULLY05X

Section 22	Inspection Direction Upstream	PLR GULLY05X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183433-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AH



20210617-183433-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - GULLY05X

Section 22	Inspection Direction Upstream	PLR GULLY05X	Client's Job Ref 276430	Contractor's Job Ref 276430
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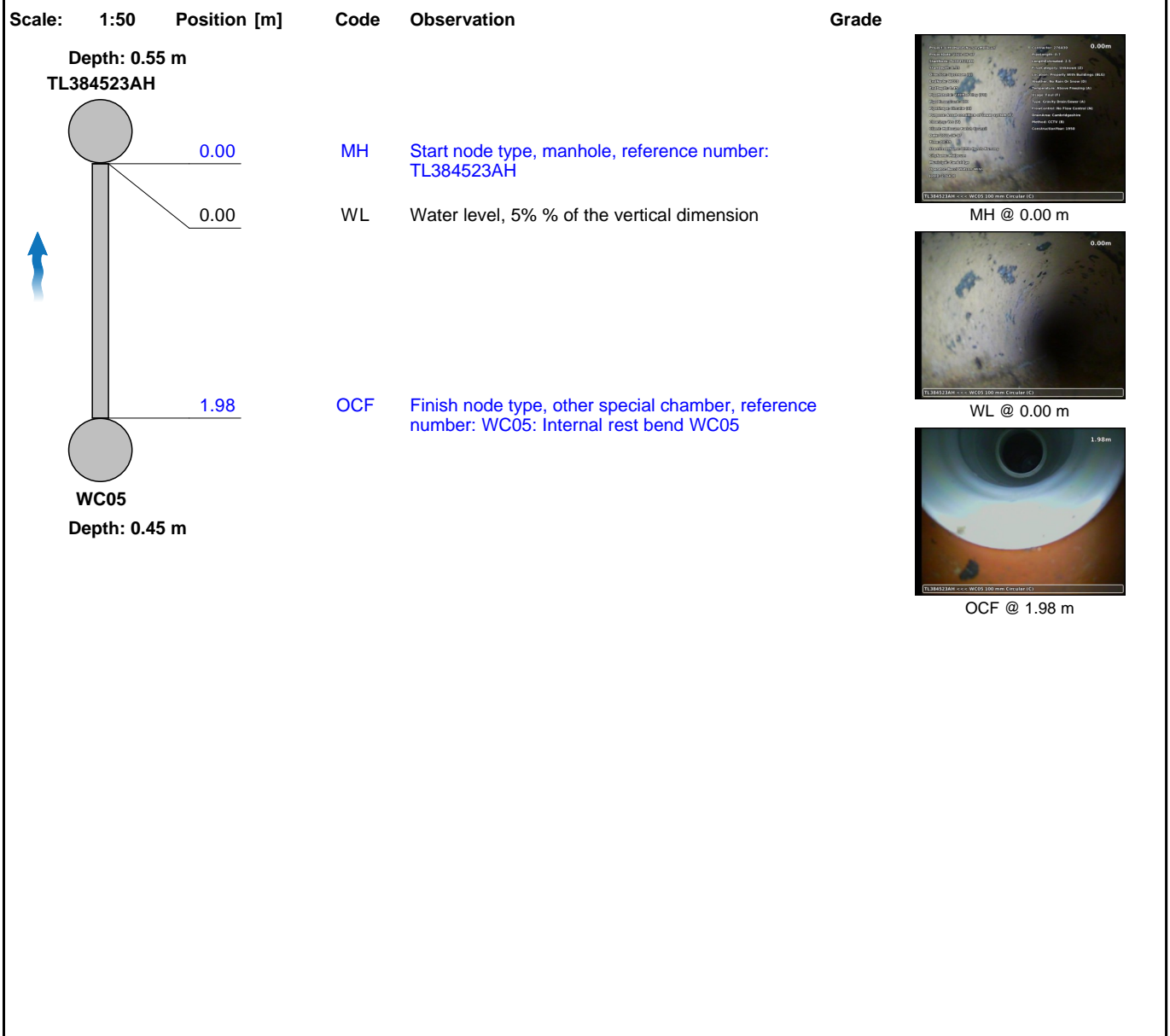


20210617-183433-snap0002.jpg, 00:00:35, 2.36 m
Finish node type, gully, reference number: GULLY05, Internal gully

Section Inspection - 17/06/2021 - WC05X

Section 23	Inspection 23	Date 17/06/21	Time 6:35	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR WC05X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	WC05
Road:	Little Hands Nursery	Inspected Length:	1.98 m	Upstream Pipe Depth:	0.450 m
Location:	Under a permanent building	Total Length:	1.98 m	Downstream Node:	TL384523AH
Surface Type:	Concrete Car Park & Under Buildin	Joint Length:	0.70 m	Downstream Pipe Depth:	0.550 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



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 - 17/06/2021 - WC05X

Section 23	Inspection Direction Upstream	PLR WC05X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183609-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AH



20210617-183609-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - WC05X

Section 23	Inspection Direction Upstream	PLR WC05X	Client's Job Ref 276430	Contractor's Job Ref 276430
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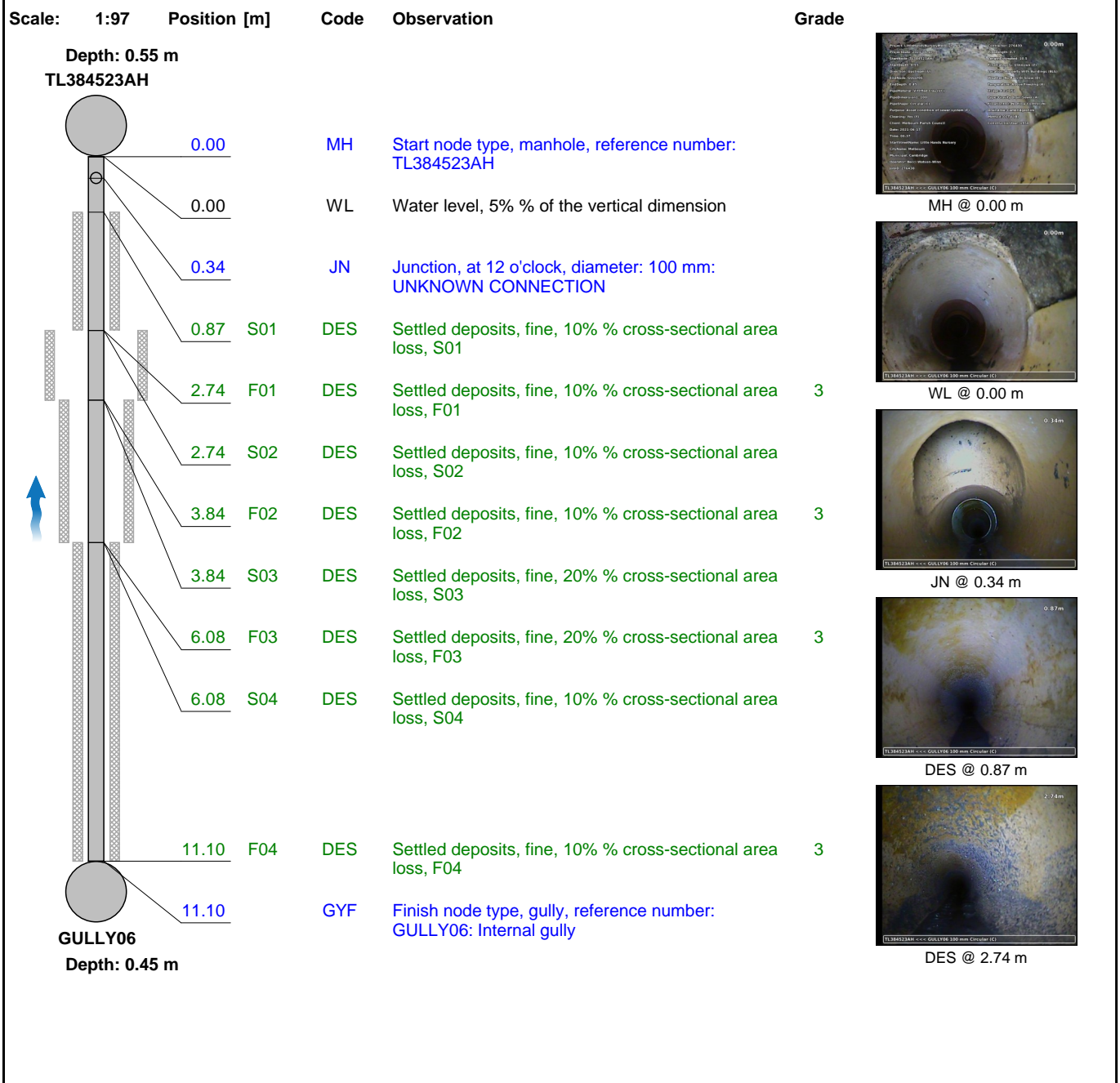


20210617-183609-snap0002.jpg, 00:00:25, 1.98 m
Finish node type, other special chamber, reference number: WC05, Internal rest bend WC05

Section Inspection - 17/06/2021 - GULLY06X

Section 24	Inspection 24	Date 17/06/21	Time 6:37	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY06X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Upstream	Upstream Node:	GULLY06
Road:	Little Hands Nursery	Inspected Length:	11.10 m	Upstream Pipe Depth:	0.450 m
Location:	Under a permanent building	Total Length:	11.10 m	Downstream Node:	TL384523AH
Surface Type:	Concrete Car Park & Under Buildi	Joint Length:	0.70 m	Downstream Pipe Depth:	0.550 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Section Inspection - 17/06/2021 - GULLY06X

Section 24	Inspection 24	Date 17/06/21	Time 6:37	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GULLY06X
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



DES @ 3.84 m



DES @ 6.08 m



GYF @ 11.10 m

Construction Features

Structural Defects

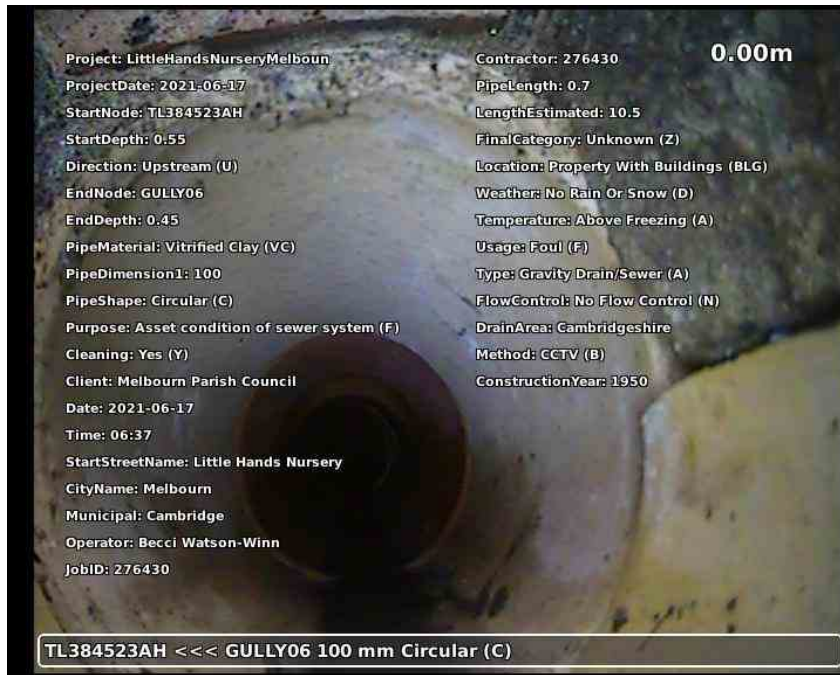
Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	4	4.0	2.3	26.0	3.0

Section Pictures - 17/06/2021 - GULLY06X

Section 24	Inspection Direction Upstream	PLR GULLY06X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183738-snap0000.jpg, 00:00:00, 0.00 m
 Start node type, manhole, reference number: TL384523AH



20210617-183738-snap0001.jpg, 00:00:01, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - GULLY06X

Section 24	Inspection Direction Upstream	PLR GULLY06X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183738-snap0002.jpg, 00:00:12, 0.34 m
Junction, at 12 o'clock, diameter: 100 mm, UNKNOWN CONNECTION



20210617-183738-snap0003.jpg, 00:00:29, 0.87 m
Settled deposits, fine, 10% % cross-sectional area loss, S01

Section Pictures - 17/06/2021 - GULLY06X

Section 24	Inspection Direction Upstream	PLR GULLY06X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183738-snap0004.jpg, 00:00:52, 2.74 m
Settled deposits, fine, 10% % cross-sectional area loss, S02



20210617-183738-snap0005.jpg, 00:01:13, 3.84 m
Settled deposits, fine, 20% % cross-sectional area loss, S03

Section Pictures - 17/06/2021 - GULLY06X

Section 24	Inspection Direction Upstream	PLR GULLY06X	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-183738-snap0006.jpg, 00:01:33, 6.08 m
Settled deposits, fine, 10% % cross-sectional area loss, S04

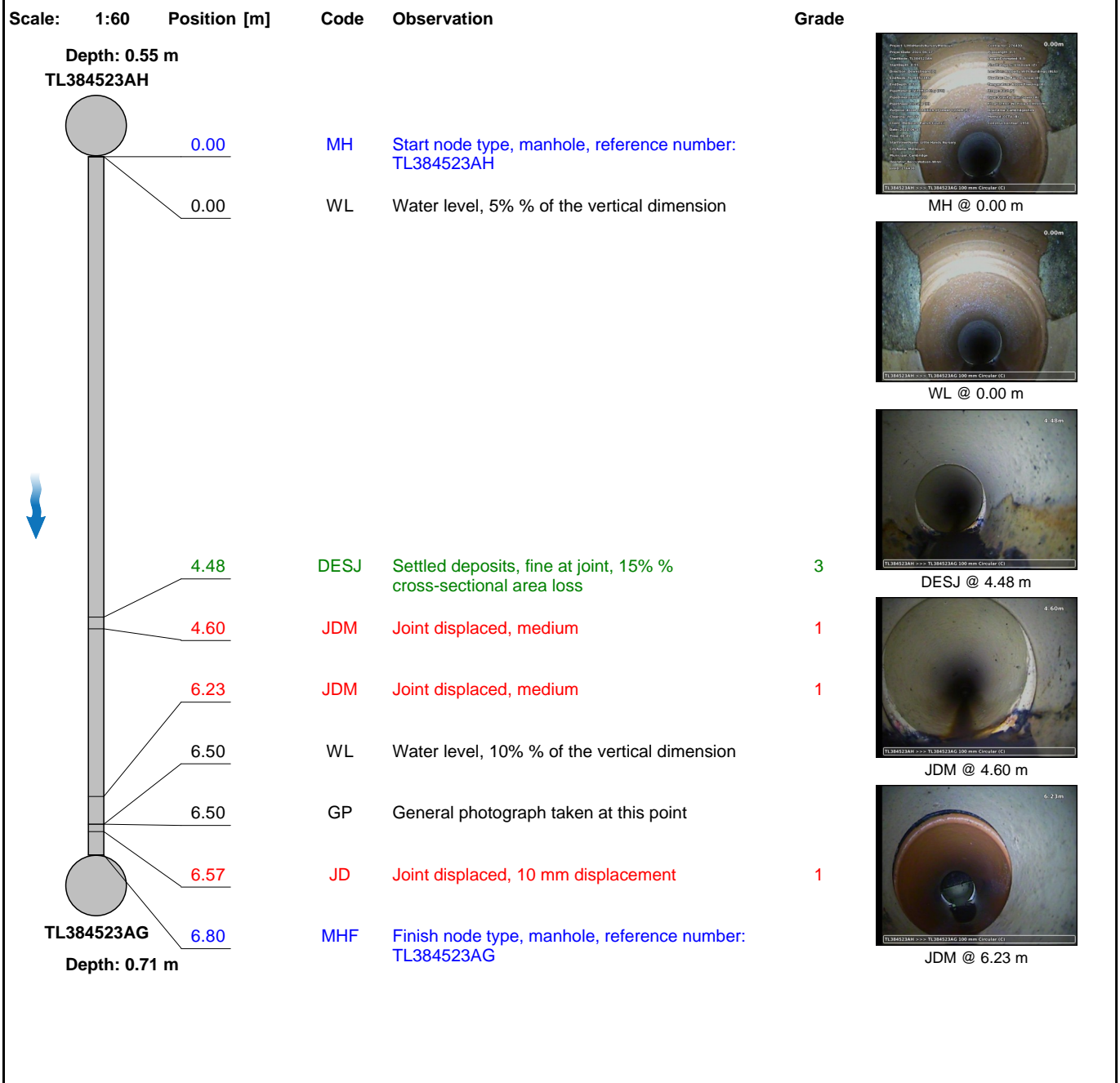


20210617-183738-snap0007.jpg, 00:02:07, 11.10 m
Finish node type, gully, reference number: GULLY06, Internal gully

Section Inspection - 17/06/2021 - TL384523AHX

Section 25	Inspection 25	Date 17/06/21	Time 6:41	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AHX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AH
Road:	Little Hands Nursery	Inspected Length:	6.80 m	Upstream Pipe Depth:	0.550 m
Location:	Property with buildings	Total Length:	6.80 m	Downstream Node:	TL384523AG
Surface Type:	Concrete Car Park	Joint Length:	0.70 m	Downstream Pipe Depth:	0.710 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				



Section Inspection - 17/06/2021 - TL384523AHX

Section 25	Inspection 25	Date 17/06/21	Time 6:41	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AHX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



GP @ 6.50 m



JD @ 6.57 m



MHF @ 6.80 m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No.	Def	STR Peak	STR Mean	STR Total	STR Grade	SER No.	Def	SER Peak	SER Mean	SER Total	SER Grade
3		2.0	0.6	4.0	1.0	1		2.0	0.3	2.0	3.0

Section Pictures - 17/06/2021 - TL384523AHX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	TL384523AHX	276430	276430



20210617-184209-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384523AH



20210617-184209-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AHX

Section 25	Inspection Direction Downstream	PLR TL384523AHX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-184209-snap0002.jpg, 00:00:40, 4.48 m
Settled deposits, fine at joint, 15% % cross-sectional area loss



20210617-184209-snap0003.jpg, 00:00:53, 4.60 m
Joint displaced, medium

Section Pictures - 17/06/2021 - TL384523AHX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	TL384523AHX	276430	276430



20210617-184209-snap0004.jpg, 00:01:12, 6.23 m
Joint displaced, medium



20210617-184209-snap0005.jpg, 00:01:24, 6.50 m
General photograph taken at this point

Section Pictures - 17/06/2021 - TL384523AHX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Downstream	TL384523AHX	276430	276430



20210617-184209-snap0006.jpg, 00:01:30, 6.57 m
Joint displaced, 10 mm displacement

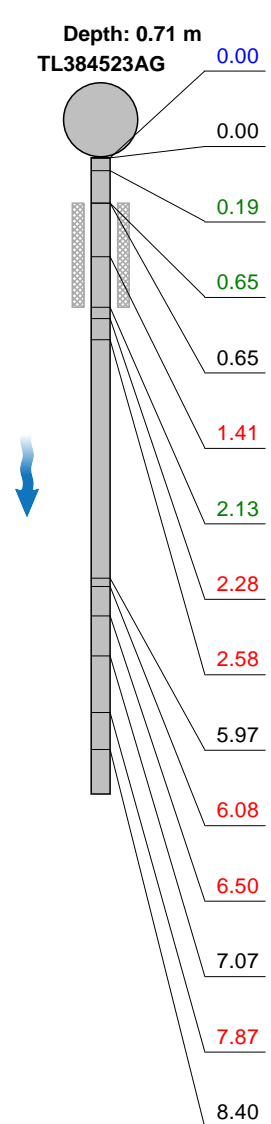


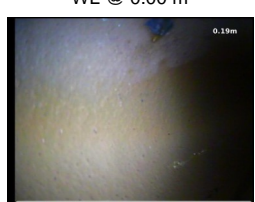
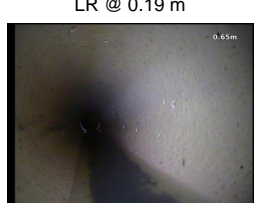

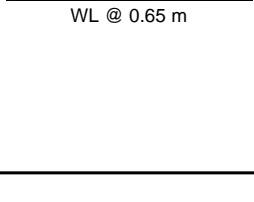


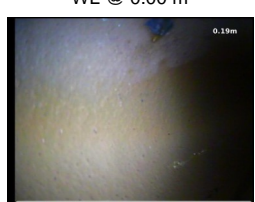
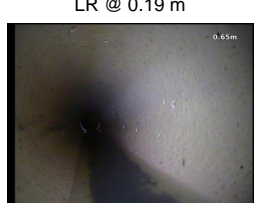

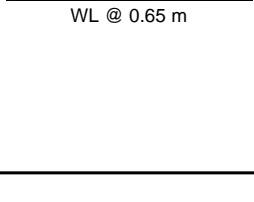


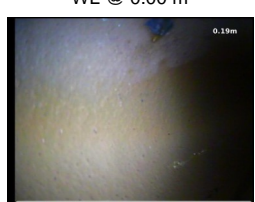
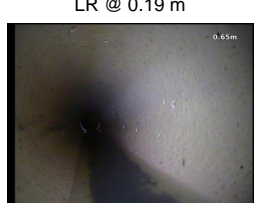

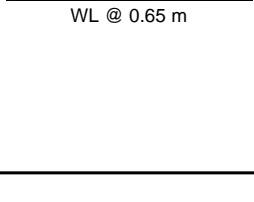


20210617-184209-snap0007.jpg, 00:01:39, 6.80 m
Finish node type, manhole, reference number: TL384523AG

Section Inspection - 17/06/2021 - TL384523AGX







Section 26	Inspection 26	Date 17/06/21	Time 6:55	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AGX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384523AG
Road:	Little Hands Nursery	Inspected Length:	30.93 m	Upstream Pipe Depth:	0.710 m
Location:	Property with buildings	Total Length:	30.93 m	Downstream Node:	TL384533AI
Surface Type:	Concrete Car Park & Under Fence T	Joint Length:	0.70 m	Downstream Pipe Depth:	0.760 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	None				
Recommendations:	None				

Scale:	1:107	Position [m]	Code	Observation	Grade																																																																																																										
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: 0.71 m TL384523AG</p>  </div> <table border="1" style="flex: 4; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td>MH</td> <td>Start node type, manhole, reference number: TL384523AG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.00</td> <td>WL</td> <td>Water level, 5% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.19</td> <td>LR</td> <td>Line deviates right</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.65</td> <td>S01</td> <td>DES</td> <td>Settled deposits, fine, 5% % cross-sectional area loss, S01</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">0.65</td> <td>WL</td> <td>Water level, 10% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1.41</td> <td>JDM</td> <td>Joint displaced, medium</td> <td></td> <td>1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2.13</td> <td>F01</td> <td>DES</td> <td>Settled deposits, fine, 5% % cross-sectional area loss, F01</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td style="text-align: right;">2.28</td> <td>FL</td> <td>Fracture, longitudinal, at 11 o'clock</td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2.58</td> <td>FS</td> <td>Fracture spiral, from 12 to 11 o'clock</td> <td></td> <td>4</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">5.97</td> <td>WL</td> <td>Water level, 20% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">6.08</td> <td>FC</td> <td>Fracture, circumferential, from 07 to 05 o'clock</td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">6.50</td> <td>JDM</td> <td>Joint displaced, medium</td> <td></td> <td>1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">7.07</td> <td>WL</td> <td>Water level, 20% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">7.87</td> <td>JDM</td> <td>Joint displaced, medium</td> <td></td> <td>1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">8.40</td> <td>WL</td> <td>Water level, 10% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </div>							0.00	MH	Start node type, manhole, reference number: TL384523AG					0.00	WL	Water level, 5% % of the vertical dimension					0.19	LR	Line deviates right					0.65	S01	DES	Settled deposits, fine, 5% % cross-sectional area loss, S01				0.65	WL	Water level, 10% % of the vertical dimension					1.41	JDM	Joint displaced, medium		1			2.13	F01	DES	Settled deposits, fine, 5% % cross-sectional area loss, F01		2		2.28	FL	Fracture, longitudinal, at 11 o'clock		3			2.58	FS	Fracture spiral, from 12 to 11 o'clock		4			5.97	WL	Water level, 20% % of the vertical dimension					6.08	FC	Fracture, circumferential, from 07 to 05 o'clock		3			6.50	JDM	Joint displaced, medium		1			7.07	WL	Water level, 20% % of the vertical dimension					7.87	JDM	Joint displaced, medium		1			8.40	WL	Water level, 10% % of the vertical dimension				
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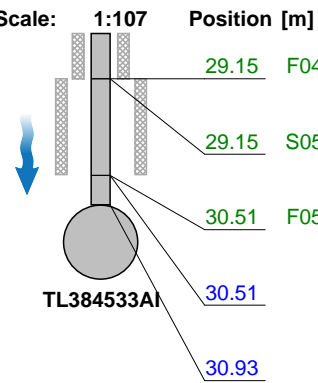


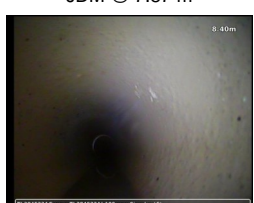
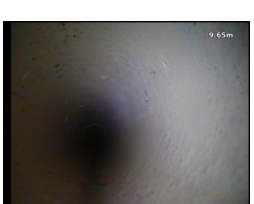
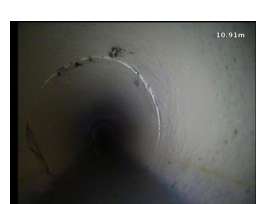


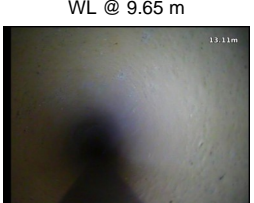
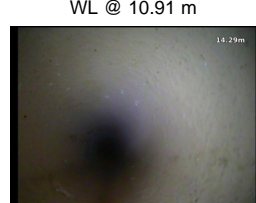
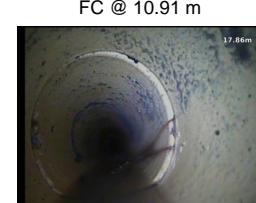


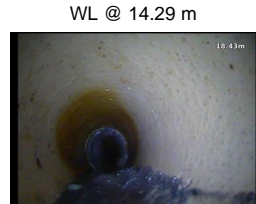
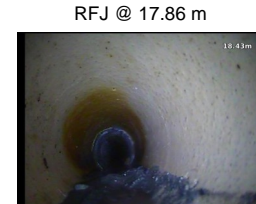


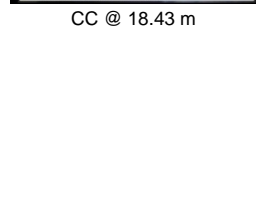
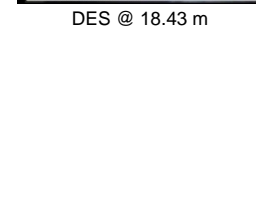
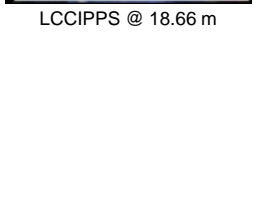
Section Inspection - 17/06/2021 - TL384523AGX

Section 26	Inspection 26	Date 17/06/21	Time 6:55	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AGX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:107	Position [m]	Code	Observation	Grade	
		9.65	WL	Water level, 5% % of the vertical dimension		
		10.91	WL	Water level, 20% % of the vertical dimension		
		10.91	FC	Fracture, circumferential, from 07 to 05 o'clock	3	JDM @ 1.41 m
		10.91	RF	Roots, fine: ENTERING THROUGH FC	2	
		13.11	WL	Water level, 10% % of the vertical dimension		
		14.29	WL	Water level, 5% % of the vertical dimension		FL @ 2.28 m
		17.86	RFJ	Roots, fine at joint	2	
		17.86	WL	Water level, 15% % of the vertical dimension		FS @ 2.58 m
		18.05	RM	Roots, mass, 20% % cross-sectional area loss	3	
		18.43	CC	Crack, circumferential, from 07 to 05 o'clock	2	WL @ 5.97 m
		18.43	S02	DES Settled deposits, fine, 10% % cross-sectional area loss, S02		
		18.66	LCCIPPS	Lining of drain or sewer with cured-in-place lining changes to polyester at this point		FC @ 6.08 m
		20.41	F02	DES Settled deposits, fine, 10% % cross-sectional area loss, F02	3	
		24.21	WL	Water level, 15% % of the vertical dimension		JDM @ 6.50 m
		24.21	S03	DES Settled deposits, fine, 10% % cross-sectional area loss, S03		
		25.92	F03	DES Settled deposits, fine, 10% % cross-sectional area loss, F03	3	
		25.92	WL	Water level, 5% % of the vertical dimension		
		26.41	S04	DES Settled deposits, fine, 5% % cross-sectional area loss, S04		
		27.85	WL	Water level, 10% % of the vertical dimension		

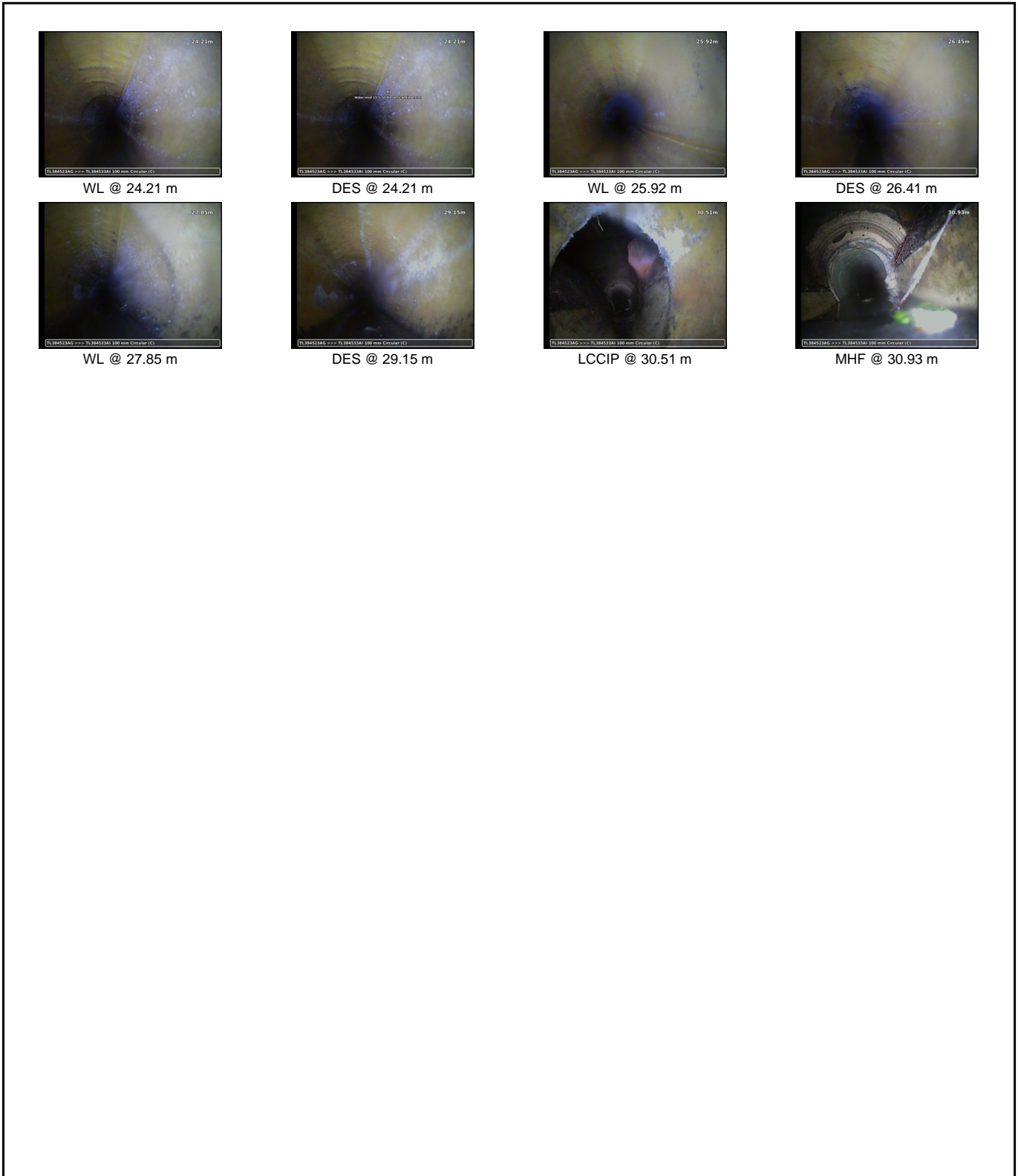
Section Inspection - 17/06/2021 - TL384523AGX

Section 26	Inspection 26	Date 17/06/21	Time 6:55	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AGX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Scale:	1:107	Position [m]	Code	Observation	Grade	
 <p>TL384533AI</p> <p>Depth: 0.76 m</p>		29.15	F04	DES Settled deposits, fine, 5% % cross-sectional area loss, F04	2	
		29.15	S05	DES Settled deposits, fine, 20% % cross-sectional area loss, S05		
		30.51	F05	DES Settled deposits, fine, 20% % cross-sectional area loss, F05	3	
		30.51	LCCIP	Cured-in-place lining ends at this point		
		30.93	MHF	Finish node type, manhole, reference number: TL384533AI		
						
						
						
						
						
						
						
						
						
						
						
						
						
						

Section Inspection - 17/06/2021 - TL384523AGX

Section 26	Inspection 26	Date 17/06/21	Time 6:55	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384523AGX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



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
8		120.0	6.9	213.0	4.0	8		6.0	0.7	23.0	4.0

Section Pictures - 17/06/2021 - TL384523AGX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Downstream	TL384523AGX	276430	276430



20210617-185600-snap0000.jpg, 00:00:03, 0.00 m
 Start node type, manhole, reference number: TL384523AG



20210617-185600-snap0001.jpg, 00:00:04, 0.00 m
 Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0002.jpg, 00:00:12, 0.19 m
Line deviates right



20210617-185600-snap0003.jpg, 00:00:19, 0.65 m
Settled deposits, fine, 5% % cross-sectional area loss, S01

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0004.jpg, 00:00:24, 0.65 m
Water level, 10% % of the vertical dimension



20210617-185600-snap0005.jpg, 00:00:45, 1.41 m
Joint displaced, medium

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0006.jpg, 00:01:02, 2.28 m
Fracture, longitudinal, at 11 o'clock



20210617-185600-snap0007.jpg, 00:01:12, 2.58 m
Fracture spiral, from 12 to 11 o'clock

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0008.jpg, 00:01:41, 5.97 m
Water level, 20% % of the vertical dimension



20210617-185600-snap0009.jpg, 00:02:01, 6.08 m
Fracture, circumferential, from 07 to 05 o'clock

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0010.jpg, 00:02:16, 6.50 m
Joint displaced, medium



20210617-185600-snap0011.jpg, 00:02:22, 7.07 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0012.jpg, 00:02:36, 7.87 m
Joint displaced, medium



20210617-185600-snap0013.jpg, 00:02:45, 8.40 m
Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0014.jpg, 00:02:57, 9.65 m
Water level, 5% % of the vertical dimension



20210617-185600-snap0015.jpg, 00:03:08, 10.91 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0016.jpg, 00:03:14, 10.91 m
Fracture, circumferential, from 07 to 05 o'clock



20210617-185600-snap0017.jpg, 00:03:18, 10.91 m
Roots, fine, ENTERING THROUGH FC

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0018.jpg, 00:03:43, 13.11 m
Water level, 10% % of the vertical dimension



20210617-185600-snap0019.jpg, 00:03:52, 14.29 m
Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0020.jpg, 00:04:16, 17.86 m
Roots, fine at joint



20210617-185600-snap0021.jpg, 00:04:19, 17.86 m
Water level, 15% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384523AGX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Downstream	TL384523AGX	276430	276430



20210617-185600-snap0022.jpg, 00:04:28, 18.05 m
Roots, mass, 20% % cross-sectional area loss



20210617-185600-snap0023.jpg, 00:04:41, 18.43 m
Crack, circumferential, from 07 to 05 o'clock

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0024.jpg, 00:04:45, 18.43 m
Settled deposits, fine, 10% % cross-sectional area loss, S02



20210617-185600-snap0025.jpg, 00:04:58, 18.66 m
Lining of drain or sewer with cured-in-place lining changes to polyester at this point

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0026.jpg, 00:05:49, 24.21 m
Water level, 15% % of the vertical dimension



20210617-185600-snap0027.jpg, 00:05:54, 24.21 m
Settled deposits, fine, 10% % cross-sectional area loss, S03

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0028.jpg, 00:06:18, 25.92 m
Water level, 5% % of the vertical dimension



20210617-185600-snap0029.jpg, 00:06:26, 26.41 m
Settled deposits, fine, 5% % cross-sectional area loss, S04

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0030.jpg, 00:06:38, 27.85 m
Water level, 10% % of the vertical dimension



20210617-185600-snap0031.jpg, 00:06:58, 29.15 m
Settled deposits, fine, 20% % cross-sectional area loss, S05

Section Pictures - 17/06/2021 - TL384523AGX

Section 26	Inspection Direction Downstream	PLR TL384523AGX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-185600-snap0032.jpg, 00:07:27, 30.51 m
Cured-in-place lining ends at this point

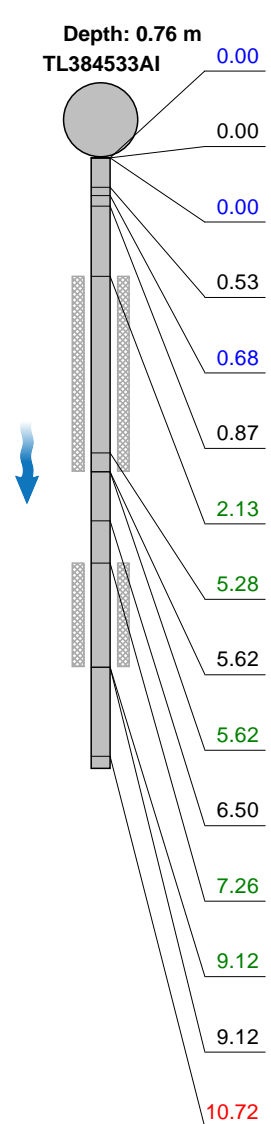

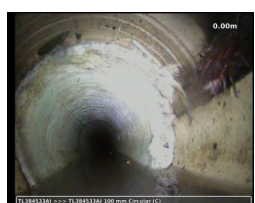



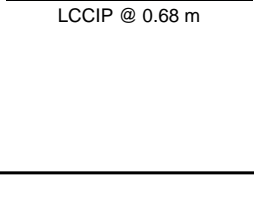


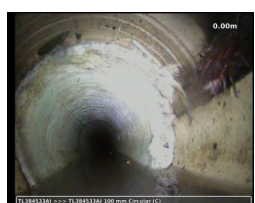



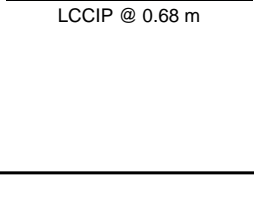


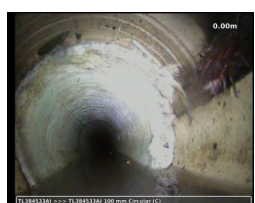



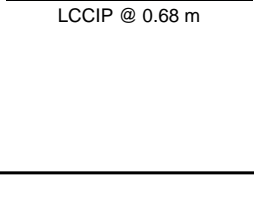



20210617-185600-snap0033.jpg, 00:07:35, 30.93 m
Finish node type, manhole, reference number: TL384533AI

Section Inspection - 17/06/2021 - TL384533AIX

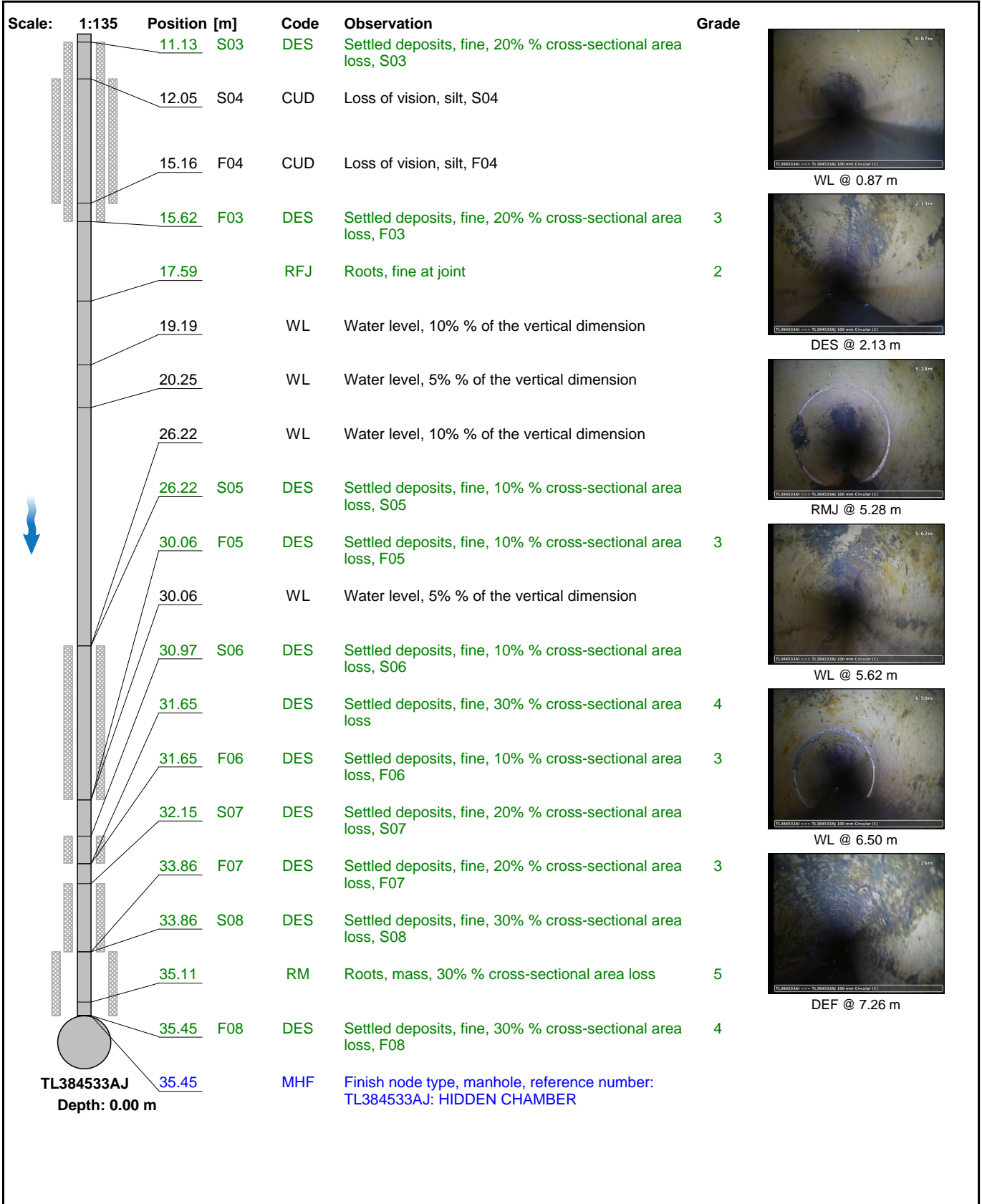
Section 27	Inspection 27	Date 17/06/21	Time 7:08	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384533AIX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Melbourn	Inspection Direction:	Downstream	Upstream Node:	TL384533AI
Road:	Little Hands Nursery	Inspected Length:	35.45 m	Upstream Pipe Depth:	0.760 m
Location:	Other pedestrian area	Total Length:	35.45 m	Downstream Node:	TL384533AJ
Surface Type:	Grass In Childrens Playground	Joint Length:	0.70 m	Downstream Pipe Depth:	0.000 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:	1950	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		
Comments:	TL384533AJ is buried & no access to measure invert depth				
Recommendations:	Trace hidden chamber				

Scale:	1:135	Position [m]	Code	Observation	Grade																																																																																																										
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>Depth: 0.76 m TL384533AI</p>  </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0.00</td> <td style="width: 5%;">MH</td> <td style="width: 45%;">Start node type, manhole, reference number: TL384533AI</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td></td> </tr> <tr> <td>0.00</td> <td>WL</td> <td>Water level, 10% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.00</td> <td>LCCIPEP</td> <td>Lining of drain or sewer with cured-in-place lining changes to epoxy at this point</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.53</td> <td>WL</td> <td>Water level, 20% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.68</td> <td>LCCIP</td> <td>Cured-in-place lining ends at this point</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.87</td> <td>WL</td> <td>Water level, 20% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.13</td> <td>S01</td> <td>DES</td> <td>Settled deposits, fine, 10% % cross-sectional area loss, S01</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5.28</td> <td>RMJ</td> <td>Roots, mass at joint, 5% % cross-sectional area loss</td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>5.62</td> <td>WL</td> <td>Water level, 5% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5.62</td> <td>F01</td> <td>DES</td> <td>Settled deposits, fine, 10% % cross-sectional area loss, F01</td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>6.50</td> <td>WL</td> <td>Water level, 10% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7.26</td> <td>S02</td> <td>DEF</td> <td>Attached deposits, fouling, from 07 to 05 o'clock, 5% % cross-sectional area loss, S02</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9.12</td> <td>F02</td> <td>DEF</td> <td>Attached deposits, fouling, from 07 to 05 o'clock, 5% % cross-sectional area loss, F02</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>9.12</td> <td>WL</td> <td>Water level, 5% % of the vertical dimension</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10.72</td> <td>H</td> <td>Hole in drain or sewer, from 11 to 01 o'clock</td> <td></td> <td></td> <td>4</td> <td></td> </tr> </table></div>							0.00	MH	Start node type, manhole, reference number: TL384533AI					0.00	WL	Water level, 10% % of the vertical dimension					0.00	LCCIPEP	Lining of drain or sewer with cured-in-place lining changes to epoxy at this point					0.53	WL	Water level, 20% % of the vertical dimension					0.68	LCCIP	Cured-in-place lining ends at this point					0.87	WL	Water level, 20% % of the vertical dimension					2.13	S01	DES	Settled deposits, fine, 10% % cross-sectional area loss, S01				5.28	RMJ	Roots, mass at joint, 5% % cross-sectional area loss		3			5.62	WL	Water level, 5% % of the vertical dimension					5.62	F01	DES	Settled deposits, fine, 10% % cross-sectional area loss, F01		3		6.50	WL	Water level, 10% % of the vertical dimension					7.26	S02	DEF	Attached deposits, fouling, from 07 to 05 o'clock, 5% % cross-sectional area loss, S02				9.12	F02	DEF	Attached deposits, fouling, from 07 to 05 o'clock, 5% % cross-sectional area loss, F02		2		9.12	WL	Water level, 5% % of the vertical dimension					10.72	H	Hole in drain or sewer, from 11 to 01 o'clock			4	
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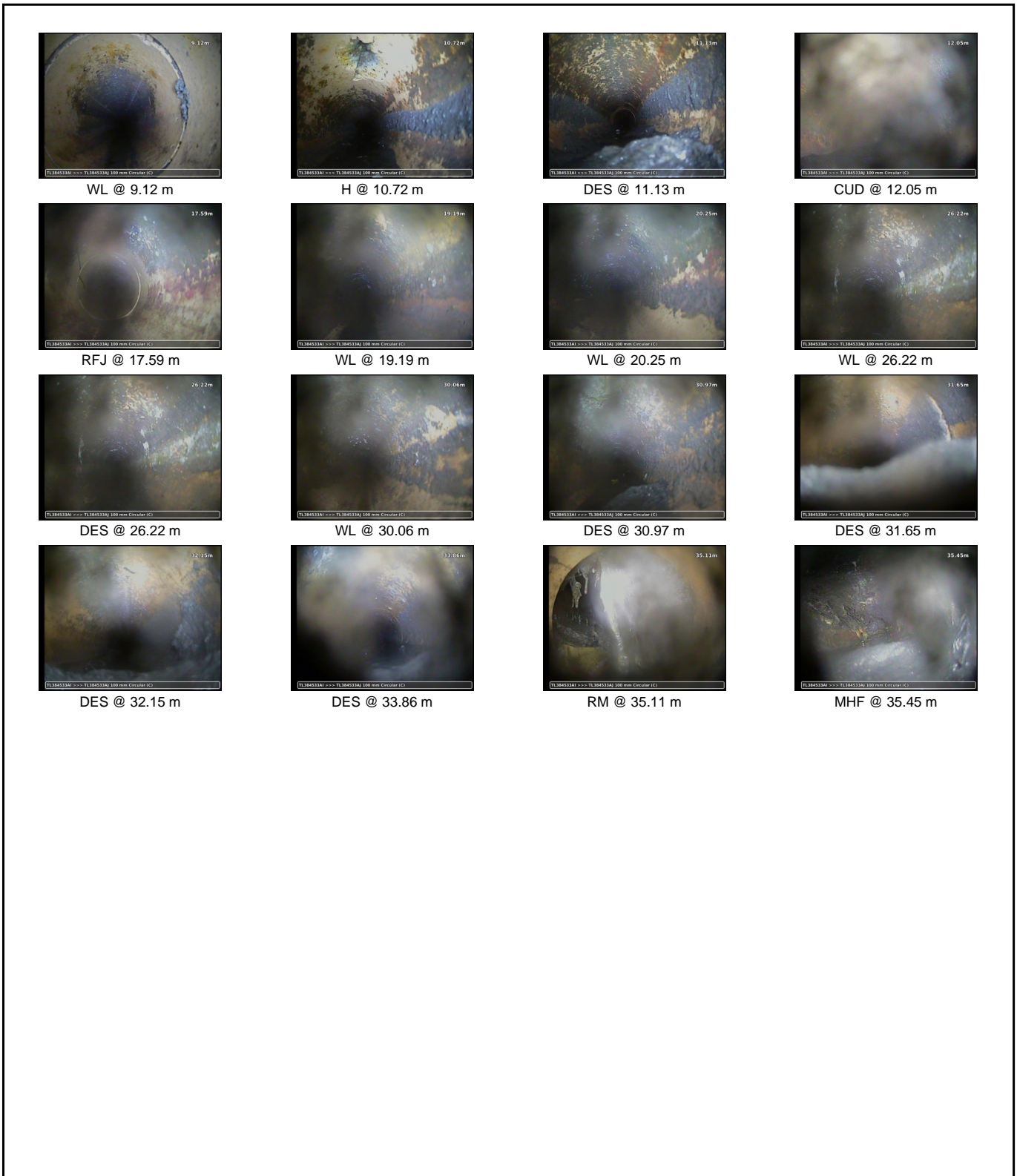
Section Inspection - 17/06/2021 - TL384533AIX

Section 27	Inspection 27	Date 17/06/21	Time 7:08	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384533AIX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



Section Inspection - 17/06/2021 - TL384533AIX

Section 27	Inspection 27	Date 17/06/21	Time 7:08	Client's Job Ref 276430	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TL384533AIX
Operator Becci Watson-Winn		Vehicle AY19ZDR		Camera Max Probe	Preset Length 0.40 m	Legal Status Not Specified	Alternative ID Not Specified



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	2.3	80.0	4.0	11		15.0	1.7	62.0	5.0

Section Pictures - 17/06/2021 - TL384533AIX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Downstream	TL384533AIX	276430	276430



20210617-191337-snap0000.jpg, 00:00:01, 0.00 m
 Start node type, manhole, reference number: TL384533AI



20210617-191337-snap0001.jpg, 00:00:02, 0.00 m
 Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0002.jpg, 00:00:19, 0.00 m
Lining of drain or sewer with cured-in-place lining changes to epoxy at this point



20210617-191337-snap0003.jpg, 00:00:29, 0.53 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0004.jpg, 00:00:56, 0.68 m
Cured-in-place lining ends at this point



20210617-191337-snap0005.jpg, 00:01:05, 0.87 m
Water level, 20% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0006.jpg, 00:01:20, 2.13 m
Settled deposits, fine, 10% % cross-sectional area loss, S01



20210617-191337-snap0007.jpg, 00:01:58, 5.28 m
Roots, mass at joint, 5% % cross-sectional area loss

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0008.jpg, 00:02:06, 5.62 m
Water level, 5% % of the vertical dimension



20210617-191337-snap0009.jpg, 00:02:26, 6.50 m
Water level, 10% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Downstream	TL384533AIX	276430	276430



20210617-191337-snap0010.jpg, 00:02:38, 7.26 m
Attached deposits, fouling, from 07 to 05 o'clock, 5% % cross-sectional area loss, S02



20210617-191337-snap0011.jpg, 00:03:14, 9.12 m
Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0012.jpg, 00:03:34, 10.72 m
Hole in drain or sewer, from 11 to 01 o'clock



20210617-191337-snap0013.jpg, 00:03:52, 11.13 m
Settled deposits, fine, 20% % cross-sectional area loss, S03

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0014.jpg, 00:04:06, 12.05 m
Loss of vision, silt, S04



20210617-191337-snap0015.jpg, 00:05:00, 17.59 m
Roots, fine at joint

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0016.jpg, 00:05:16, 19.19 m
Water level, 10% % of the vertical dimension



20210617-191337-snap0017.jpg, 00:05:29, 20.25 m
Water level, 5% % of the vertical dimension

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0018.jpg, 00:06:19, 26.22 m
Water level, 10% % of the vertical dimension



20210617-191337-snap0019.jpg, 00:06:24, 26.22 m
Settled deposits, fine, 10% % cross-sectional area loss, S05

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0020.jpg, 00:07:07, 30.06 m
Water level, 5% % of the vertical dimension



20210617-191337-snap0021.jpg, 00:07:19, 30.97 m
Settled deposits, fine, 10% % cross-sectional area loss, S06

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0022.jpg, 00:07:42, 31.65 m
Settled deposits, fine, 30% % cross-sectional area loss



20210617-191337-snap0023.jpg, 00:07:53, 32.15 m
Settled deposits, fine, 20% % cross-sectional area loss, S07

Section Pictures - 17/06/2021 - TL384533AIX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Downstream	TL384533AIX	276430	276430



20210617-191337-snap0024.jpg, 00:08:16, 33.86 m
Settled deposits, fine, 30% % cross-sectional area loss, S08



20210617-191337-snap0025.jpg, 00:08:34, 35.11 m
Roots, mass, 30% % cross-sectional area loss

Section Pictures - 17/06/2021 - TL384533AIX

Section 27	Inspection Direction Downstream	PLR TL384533AIX	Client's Job Ref 276430	Contractor's Job Ref 276430
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20210617-191337-snap0026.jpg, 00:08:48, 35.45 m
Finish node type, manhole, reference number: TL384533AJ, HIDDEN CHAMBER