

# Nolan Associates

consulting civil and structural engineers

54 Hagley Road, Birmingham B16 8PE  
Tel: 0121- 454 3099 e-mail: enquiries@nolanassociates.co.uk

## The Heights Academy, Solihull Verification Report Rev A

Project No.	2021-323	
Checked by:		Pages: 2
Date:	September 2023	
Issued to:	Tilbury Douglas Construction Ltd	
Issued by:	MH	



Directors: Prof. John Nolan BSc, MSc, DEng(Hon), C.Eng, F.I.Struct.E, F.I.C.E Andrew Williams BSc(Hons) CEng MStructE  
Valerie Nolan Cormac Kennedy BE (Civils)(Hons) CEng MStructE Nick Warwick BEng (Hons) CEng MStructE  
Associates: James Lockley IEng AMStructE Chris Chrysostomou BEng(Hons) CEng MStructE  
Karl Pritchard MEng(Hons) CEng MICE



## **Verification Report**

The Nolan Associates approved Drainage Strategy has a discharge rate of 5l/s discharging to the public sewer. Porous paving is to be used for the car parking areas.

Nolan Associates have been provided with the as-built drainage (Appendix A) and confirm that it complies with the approved drainage strategy stated above submitted to the planners.

The drainage has been completed with all required approvals in place with a S106 approval (Appendix B).

Air testing has been undertaken and all drainage runs passed. The test results can be seen in Appendix C.

A CCTV has been undertaken by Drain Jet Surveys Ltd. The survey confirms all drains are off acceptable structural condition and have been jetted. The CCTV report is included in Appendix D.

**Appendix A**  
As-built Drainage Layout



RWP'S AND POP-UP'S ARE TO BE CONFIRMED BY THE ARCHITECT / SPECIALIST. NOLAN ASSOCIATES HAVE MADE AN ASSUMPTION OF THE INTERNAL DRAINAGE. HOWEVER THE CONTRACTOR IS ADVISED TO MAKE THEIR OWN ASSESSMENT FOR PRICING.

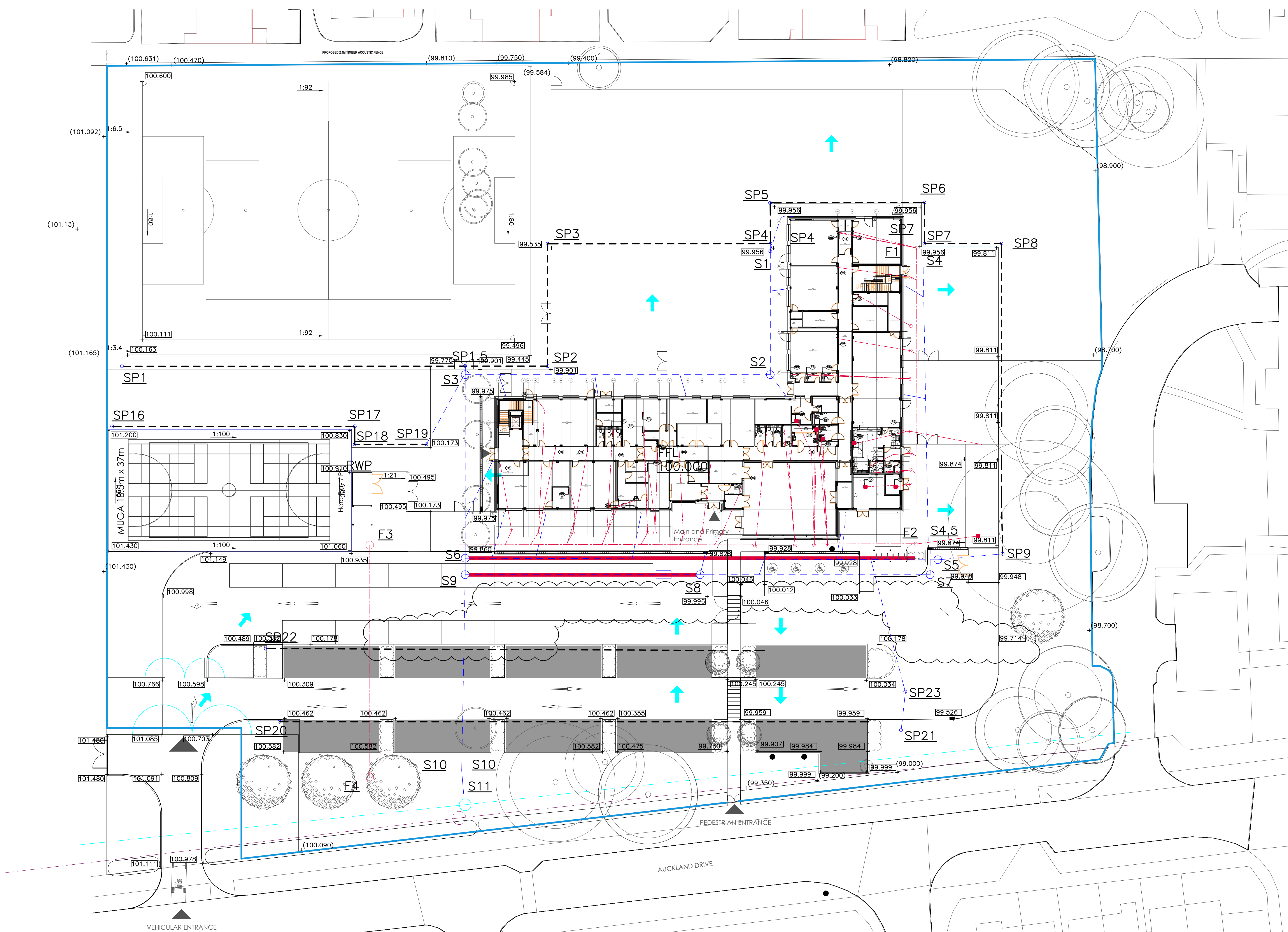
➔ Overland flood route

© The drawing and the building works depicted are the copyright of the Engineer and may not be reproduced except by written permission.

**NOTES.**

- This drawing is to be read in conjunction with all relevant Architect's, Engineer's, Specialists details and the Specification.
- All surface water pipe sizes as stated.
- All foul water pipe sizes as stated.
- All drainage pipes to BS EN 295 (clayware) or BS EN 1401 (plastic) U.N.O. Other materials may be permitted subject to the approval of the Engineer.
- Pipes to BS EN 295 with more than 900mm cover between pipe soffit and finished surface to be in Type 'B' bedding. Pipes to BS EN 1401 with more than 900mm between pipe soffit and finished surface to be in Type 'S' bedding.
- All pipes under external paved areas with less than 900mm cover to be in Type 'A5' bedding.
- All manholes, trenches, culverts etc to be backfilled with imported granular fill to Class G1 (copping material) compacted to a maximum of 95% of maximum dry density of BS.1377: Part 4 (Vibrating Hammer method).
- The Contractor is responsible for ensuring that full and adequate temporary works are provided to maintain safety and stability of the existing structure whilst the new works are being carried out. The propping is to remain in position until such time that the new works can adequately sustain the intended loads. Details of the proposed temporary works are to be forwarded to the Engineer for comment prior to commencement of works being carried out. Reference should also be made to Nolan Associates Standard detail - Pipes near buildings. (022)
- Polypropylene Access Chambers (denoted A.C.) are to be IL 99.236 from pop-up or IL 99.015 from a gully
- Pipe Gradients:  
Pipes are to be laid to the levels and gradients shown. Pipe branches are to be laid no flatter than the following table:  

Gullies, sinks and basins	1:40	1:40
Pipes draining 1 or more WC's	1:80	-
Pipes draining 5 or more WC's	1:80	1:150
- For Manhole covers see schedule.
- The Contractor is to enter into all necessary legal agreements with the drainage authority for all connections to the Public Sewer Network.
- The Contractor is to survey all drainage outfalls and determine the levels of any Utility Apparatus that might affect the levels of drainage connections, prior to commencing any drainage works on site.
- The Contractor is to obtain the consent of the Highway Authority to any works within the highway and enter into any necessary legal agreements.
- Rising main to be BS EN 13244-2, all joints electrofusion welded to provide continuous main.



NOLAN ASSOCIATES  
**AS BUILT  
DRAWING**

**Project Title:** The Heights  
**Project No.:** 2021-323

**Foul Water**

M.H. No.	Cover level	Invert level	Size	Type	Largest pipe	Cover type	Notes
F1	99.970	98.155	475	PPIC	100	C250	
F2	99.970	98.525	475	PPIC	100	C250	
F3	100.915	97.502	600	Tegra	150	C250	
F4	100.800	97.211	1200	CR	150	C250	
F5	100.5	96.35	1200	CR	150	D400	

**NOTES**

- C.R. - Concrete ring manhole see std. detail D1 or D15.
- P.P.I.C. - Polypropylene Inspection Chamber see std detail D13
- A.C. - Plastic Access Chamber
- Tegra - Tegra Inspection Chamber see std detail D49
- D400 - 600sq. Heavy duty, ductile iron, cover and frame to BS EN 124-D400
- C250 - 600sq. Medium duty, ductile iron, cover and frame to BS EN 124-C250
- B125 - 600sq. Light duty, ductile iron, cover and frame to BS EN 124-B125
- C - proprietary light duty cover and frame

**Project Title:** The Heights  
**Project No.:** 2021-323

**Surface Water**

M.H. No.	Cover level	Invert level	Size	Type	Largest pipe	Cover type	Notes
S1	99.960	99.020	600	Tegra	225	C250	
S2	99.960	98.830	600	Tegra	300	C250	
S3	99.900	98.615	600	Tegra	300	C250	
S4	99.960	98.113	600	Tegra	225	C250	
S5	100.000	98.615	1350	CR	375	C250	
S6	99.830	98.061	1350	CR	450	D400	
S7	99.960	98.900	600	Tegra	300	D400	
S8	99.912	98.770	1350	CRCP	375	D400	
S9	99.900	97.912	1350	CRCP	450	D400	
S10	100.600	97.780	1350	CRCP	450	B125	
S11	100.600	98.880	600	Tegra	150	B125	Hydrobrake 5Lts/sec
S4.5	99.970	98.640	600	TEGRA	150	B125	

**NOTES**

- C.R. - Concrete ring manhole see std. detail D1 or D15.
- CRCP - Concrete Ring Catchpit see std detail D14
- P.P.I.C. - Polypropylene Inspection Chamber see std detail D13
- X - 600 sq. Medium duty recessed, air-light, screw-down cover and frame eg Broadstrel
- D400 - 600sq. Heavy duty, ductile iron, cover and frame to BS EN 124-D400
- B125 - 600sq. Light duty, ductile iron, cover and frame to BS EN 124-B125
- C - proprietary light duty cover and frame

**Project Title:** The Heights  
**Project No.:** 2021-323

**Surface Water**

M.H. No.	Cover level	Invert level	Size	Type	Largest pipe	Cover type	Notes
SP1	100.430	99.830	475	SP	150	B125	
SP2	99.900	98.815	475	SP	150	B125	
SP3	99.540	98.940	475	SP	150	B125	
SP4	99.960	99.283	475	SP	150	B125	
SP5	99.960	99.360	475	SP	150	B125	
SP6	99.960	99.360	475	SP	150	B125	
SP7	99.960	99.350	475	SP	150	B125	
SP8	99.810	99.141	475	SP	150	B125	
SP9	99.870	98.715	475	SP	150	B125	
SP10	99.870	98.680	475	SP	150	B125	
SP11	99.870	98.626	600	SP	150	B125	
SP12	99.810	98.564	600	SP	150	B125	
SP13	99.810	98.542	600	SP	150	B125	
SP14	99.870	98.580	600	SP	150	B125	
SP15	99.870	98.334	600	SP	150	B125	
SP16	99.770	99.170	475	SP	150	B125	
SP17	99.770	98.712	475	SP	150	B125	
SP18	99.770	98.678	475	SP	150	B125	
SP19	99.770	98.573	475	SP	150	B125	
SP20	100.587	99.112	600	SP	150	B125	
SP21	100.587	98.933	600	SP	150	B125	
SP22	100.303	98.563	600	SP	150	B125	
SP23	100.303	98.774	600	SP	150	B125	
SP1.5	99.900	98.715	600	SP	150	B125	

**NOTES**

- C.R. - Concrete ring manhole see std. detail D1 or D15.
- CRCP - Concrete Ring Catchpit see std detail D14
- SP - 600 sq. Medium duty recessed, air-light, screw-down cover and frame eg Broadstrel
- X - 600 sq. Medium duty recessed, air-light, screw-down cover and frame eg Broadstrel
- D400 - 600sq. Heavy duty, ductile iron, cover and frame to BS EN 124-D400
- B125 - 600sq. Light duty, ductile iron, cover and frame to BS EN 124-B125
- C - proprietary light duty cover and frame

REV	DESCRIPTION	BY	CHKD	DATE
C08	As-built to suit contractor information and mark-up.	MH	KAP	15.09.23
C07	Note 9 revised.	MH	JUG	18.01.23
C06	Foul pop-up at GL 13/L added. Drains at sprinkler tank revised. Note 9 amended.	MH	JUG	16.12.22
C05	Car Park levels amended	MH	JUG	22.11.22
C04	Access road levels added	MH	JUG	17.11.22
C03	Manhole co-ordinates added.	MH	JUG	22.09.22
C02	Foul pop-ups revised.	MH	JUG	15.09.22
A	Construction issue	LC	JUG	11.08.22
P12	Drainage revised to suit pop-ups	MH	JUG	02.08.22
P11	Drainage revised to suit pop-ups	MH	JUG	02.08.22
P10	Land drain to retaining wall added.	MH	JUG	28.07.22
P9	Amended layout added	MH	JUG	15.06.22
P8	Tree pits added	MH	JUG	15.06.22

**The Heights**  
**Drainage Layout**

**NOLAN ASSOCIATES**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
54 HAGLEY ROAD, EDBASTON, BIRMINGHAM B16 8PE  
TEL: 0121-454 3099 FAX: 0121-454 3059  
E-MAIL: enquiries@nolanassociates.co.uk

Drawn by	Date	Plot Date	Scale
MH	19.04.22	15.09.23	1:250@A0
Checked by	Project No	Dwg No	
JUG	2021-323	100	C08



## **Appendix B**

S106 Surface Water Approval

# WONDERFUL ON TAP

SEVERN

TRENT

Severn Trent Water Ltd

Developer Services

PO Box 5311

Coventry

CV3 9FL

[www.stwater.co.uk/developers](http://www.stwater.co.uk/developers)

Tel: 07855100647

Email:

[vijay.tanna@severntrent.co.uk](mailto:vijay.tanna@severntrent.co.uk)

PLEASE QUOTE REFERENCE  
**1050515 (7162809) SW**  
IN ANY FUTURE  
CORRESPONDENCE

Tilbury Douglas Construction Limited  
3, Trinity Park  
Birmingham  
B37 7ES

07 July 2022

Dear Sir or Madam

**New Public Sewer Connection at:** THE HEIGHTS ACADEMY, AUCKLAND DRIVE, BIRMINGHAM

**Notice of Approval**

I refer to the above S106 application for One Foul Water sewer connection and enclose the Approval Notice.

This notice is issued in accordance with S108 Water Industry Act 1991 (as amended by the Water Act 2003). You will also need to comply with all relevant legal requirements and permissions, including, but not limited to, Building Regulations, Planning Permission, Highways approval, Local Authority approval, third party landowners permission and easement(s) to work in private land.

If there are any changes in relation to the sewer connection, or the information detailed on the original application form, please let us know so we can agree these. Please ensure that any flow control device used to restrict discharge from the site is not located within the adoptable demarcation chamber or lateral.

**What to do next - Inspections**

When you know the date you'll be completing the new sewer connection, please let us know so we can book in an inspection. Our scheduling team can be contacted via Angela Stewart 07850602489 (WEST)

We do request that a minimum of Five Working Days' notice is given. The connection must be inspected and signed off by Severn Trent Water Ltd

Should any person undertake a connection(s) to a public sewer before it has been approved and inspected by the Company representative, that person will under Section 109 Water Industry Act 1991 (as amended by the Water Act 2003) be guilty of an offence. The connection(s) will be closed and all expenses incurred recovered from that person.

If you need any further help with any technical queries, please contact me on the number above.

Yours sincerely

Vijay Tanna

Small Design Technician

**On behalf of Design Manager Abigail Milioto**

Developer Services

# WONDERFUL ON TAP

SEVERN

TRENT

## NOTICE OF APPROVAL FOR SURFACE WATER SEWER CONNECTION TO A PUBLIC SEWER, GIVEN IN ACCORDANCE WITH SECTION 108 OF THE WATER INDUSTRY ACT 1991 (as amended by the Water Act 2003)

### **To (Applicant):**

Tilbury Douglas Construction Limited  
3, Trinity Park  
Birmingham  
B37 7ES

### **Our Reference:**

**1050515 (7162809) SW**

Your application to make a connection to the public sewerage system is approved, subject to;

- 1) The connection being made by the listed contractor below.
- 2) The connection being made in accordance with the approved method statement and risk assessment.
- 3) The connection being made in accordance with the information submitted with the application and job specification below.

### **Contractor:**

Tilbury Douglas Construction Limited  
3, Trinity Park  
Birmingham  
B37 7ES

The connection is for the disposal of \* **SURFACE WATER** \*only at the address below:

Site Address

THE HEIGHTS ACADEMY, AUCKLAND DRIVE, BIRMINGHAM

**Backdrops are not permitted**

### **Job Specification: 1050515 (7162809) SW**

150mm connection into existing surface water MH 7902. SW restricted to a maximum of 5l/s. Connection works to be undertaken in line with National Design and Construction Guidance and any additional STW specifications

All works are located within private land and as such will remain private unless you have entered into a S104 Adoption agreement with STW.

Note this approval is only Valid for 6 months from date of original issue and if your connection is not made within this period you will need to re-apply for your approval

# WONDERFUL ON TAP

SEVERN

TRENT

Severn Trent Water Ltd

Developer Services

PO Box 5311

Coventry

CV3 9FL

[www.stwater.co.uk/developers](http://www.stwater.co.uk/developers)

Tel: 08007076600

Email:

[Sewer.connections@severntrent.co.uk](mailto:Sewer.connections@severntrent.co.uk)

PLEASE QUOTE REFERENCE  
**7162809/1050515 SW**  
IN ANY FUTURE  
CORRESPONDENCE

Issued by  
Neal Woollaston  
email to  
[greg.jones@tilburydouglas.co.uk](mailto:greg.jones@tilburydouglas.co.uk)

30 October 2023

Hi

**Re: New Surface Water Connection to the public sewer for**

**Heights Auckland Drive Birmingham B360DD**

I refer to the above development and the new sewer connection to the public sewer. The sewer connection is for the disposal of Surface water flows.

I can confirm that our inspector has inspected the S106 connection works and reported that the works are satisfactory. Inspection was completed on 30 October 2023

As works are situated in private no lateral adoption will take place

Ok to discharge flows

If you need any further help, please contact me on the number above or alternatively contact the New Connections Call Team on 0800 707 6600.

Yours sincerely

Neal Woollaston  
Waste Inspector  
**On behalf of Design Manager Abigail Milioto**  
Developer Services



## **Appendix C**

Drainage Air Testing Results

# J.A. BURKE Drainage Test Sheet

Client : Tilbury Douglas

Project : The Heights

Date : 19.5.23

Relevant Drawings : FSO918-NOL-EX-XX-DR-C-0100

Pipe D.Ø : 225mm

From S2 S1

To S7 S4

Test Type :

Air

Water

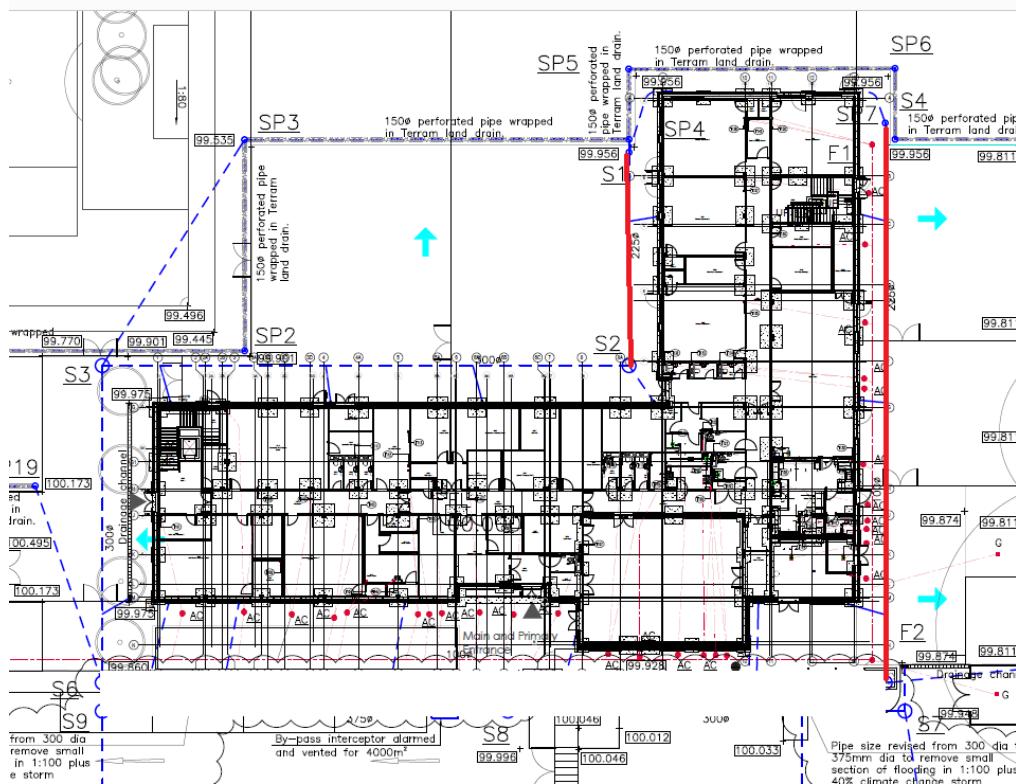
Drainage Installed By : joe Falkener, clive falkener

Drainage Tested By : JAB

Pass/Fail: Passed

Testing Witnessed By : grant elwell, Sam Allen

Sketch :



Remarks :

Highlighted in red

Signed: *S, allen*

# J.A. BURKE Drainage Test Sheet

Client : Tilbury Douglas

Project : The Heights

Date : 9.12.22

Relevant Drawings : FSO918-NOL-EX-XX-DR-C-0100

Pipe D.Ø : 300mm

From S6

To S2

Test Type :

Air

Water

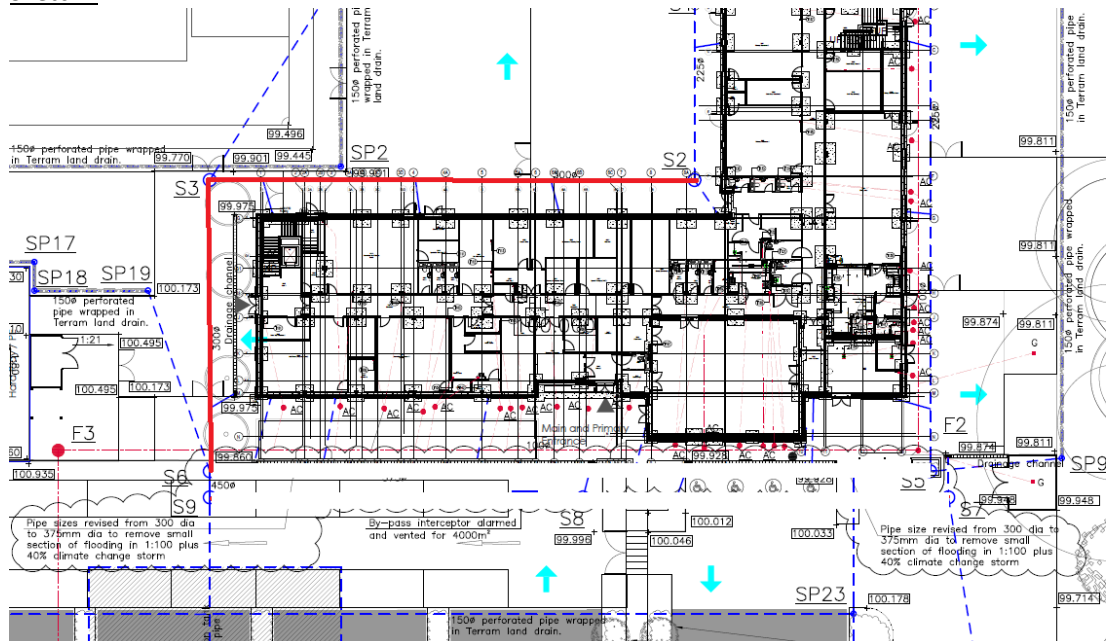
Drainage Installed By : joe Falkener, clive falkener

Drainage Tested By : JAB

Pass/Fail: **Passed**

Testing Witnessed By : grant elwell, Allen Beirne

Sketch :



Remarks :  
Highlighted in red

Signed: *a. Beirne*



# J.A. BURKE Drainage Test Sheet

Client : Tilbury Douglas

Project : The Heights

Date : 8.12.22

Relevant Drawings : FSO918-NOL-EX-XX-DR-C-0100

Pipe D.Ø : 375mm

From S6

To S5

Test Type :

Air

Water

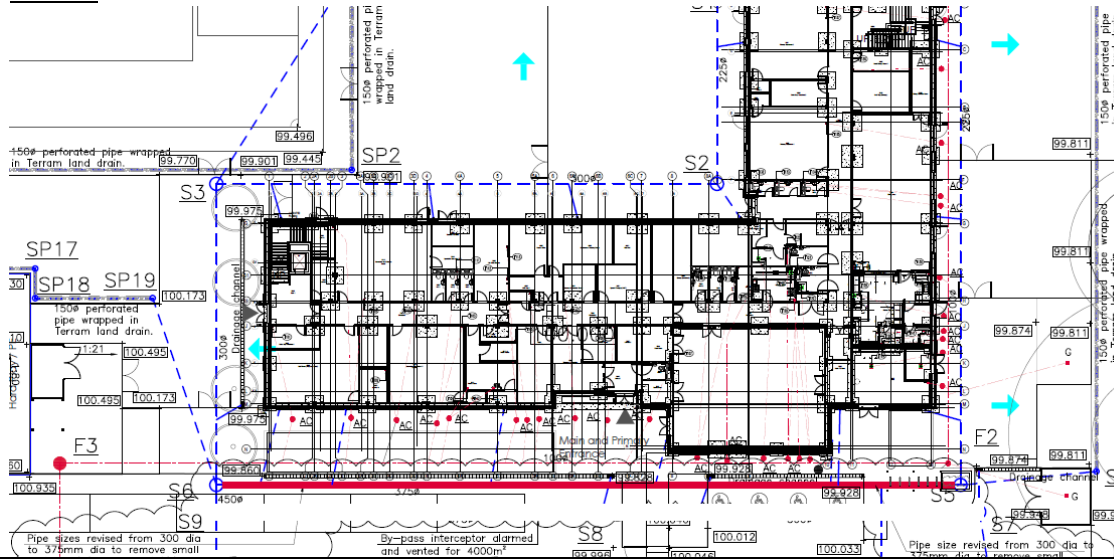
Drainage Installed By : joe Falkener, clive falkener

Drainage Tested By : JAB

Pass/Fail: **Passed**

Testing Witnessed By : grant elwell, Greg Jones

Sketch :



Remarks :

Highlighted in red

Signed: *g.elwell*

# J.A. BURKE Drainage Test Sheet

Client : Tilbury Douglas

Project : The Heights

Date : 9.12.22

Relevant Drawings : FSO918-NOL-EX-XX-DR-C-0100

Pipe D.Ø : 375mm

From : S9

To : S7

Test Type :

Air

Water

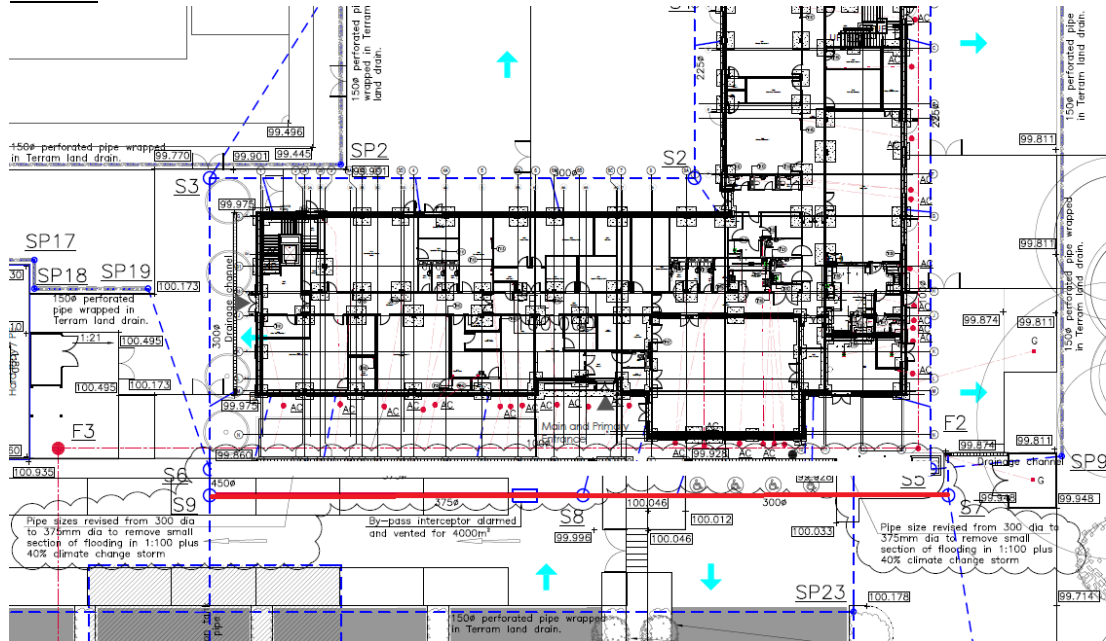
Drainage Installed By : joe Falkener, clive falkener

Drainage Tested By : JAB

Pass/Fail: Passed

Testing Witnessed By : grant elwell, Greg Jones

Sketch :



Remarks :

Highlighted in red

Signed: *g. jones*

**Appendix D**  
CCTV Survey Report



**Project**

**Project Name:** DJS2678 The Heights\_ Auckland Drive\_ Solihull

**Project Description:** The Heights, Auckland Drive, Solihull

**Project Number:** DJS2678

**Project Date:** 06/09/2023

**Inspection Standard:** MSCC5 Sewers & Drainage GB (SRM5 Scoring)



## Table of Contents

Project Name	Project Number	Project Date
DJS2678 The Heights_ Auckland Drive_ Solihull	DJS2678	06/09/2023

Project Information .....	P-1
Scoring Summary .....	P-2
Section Item 1: CONA > F1 (CONAX) .....	1
Section Item 2: CONB > F1 (CONBX) .....	2
Section Item 3: CONC > F1 (CONCX) .....	3
Section Item 4: CONA > AC1 (CONAX) .....	4
Section Item 5: AC1 > NODE (AC1X) .....	5
Section Item 6: CONA > AC2 (CONAX) .....	6
Section Item 7: AC2 > NODE (AC2X) .....	7
Section Item 8: CONA > AC3 (CONAX) .....	8
Section Item 9: AC3 > NODE (AC3X) .....	9
Section Item 10: CONA > AC4 (CONAX) .....	10
Section Item 11: CONB > AC4 (CONBX) .....	11
Section Item 12: CONC > AC4 (CONCX) .....	12
Section Item 13: COND > AC4 (CONDX) .....	13
Section Item 14: CONA > AC5 (CONAX) .....	14
Section Item 15: CONB > AC5 (CONBX) .....	15
Section Item 16: AC5 > NODE (AC5X) .....	16
Section Item 17: CONA > AC6 (CONAX) .....	17
Section Item 18: CONB > AC6 (CONBX) .....	18
Section Item 19: AC6 > NODE (AC6X) .....	19
Section Item 20: CONA > AC7 (CONAX) .....	20
Section Item 21: CONB > AC7 (CONBX) .....	21
Section Item 22: CONC > AC7 (CONCX) .....	22
Section Item 23: AC7 > NODE (AC7X) .....	23
Section Item 24: CONA > AC8 (CONAX) .....	24
Section Item 25: CONB > AC8 (CONBX) .....	25
Section Item 26: AC8 > NODE (AC8X) .....	26
Section Item 27: F1 > F2 (F1X) .....	27

## Table of Contents

Project Name	Project Number	Project Date
DJS2678 The Heights_ Auckland Drive_ Solihull	DJS2678	06/09/2023

Section Item 28: G > F2 (GX) .....	28
Section Item 29: F2 > F3 (F2X) .....	29
Section Item 30: F2 > F3 (F2X) .....	31
Section Item 31: CONA > AC9 (CONAX) .....	32
Section Item 32: CONB > AC9 (CONBX) .....	33
Section Item 33: CONC > AC9 (CONCX) .....	34
Section Item 34: AC9 > NODE (AC9X) .....	35
Section Item 35: CONA > AC10 (CONAX) .....	36
Section Item 36: CONB > AC10 (CONBX) .....	37
Section Item 37: CONC > AC10 (CONCX) .....	38
Section Item 38: AC10 > NODE (AC10X) .....	39
Section Item 39: CONA > AC11 (CONAX) .....	40
Section Item 40: CONB > AC11 (CONBX) .....	41
Section Item 41: AC11 > NODE (AC11X) .....	42
Section Item 42: CONA > AC12 (CONAX) .....	43
Section Item 43: AC12 > NODE (AC12X) .....	44
Section Item 44: CONA > IC13 (CONAX) .....	45
Section Item 45: IC13 > NODE (IC13X) .....	46
Section Item 46: CONA > IC14 (CONAX) .....	47
Section Item 47: IC14 > NODE (IC14X) .....	48
Section Item 48: CONA > IC15 (CONAX) .....	49
Section Item 49: IC15 > NODE (IC15X) .....	50
Section Item 50: CONA > IC16 (CONAX) .....	51
Section Item 51: CONB > IC16 (CONBX) .....	52
Section Item 52: IC16 > NODE (IC16X) .....	53
Section Item 53: CONA > IC17 (CONAX) .....	54
Section Item 54: CONB > IC17 (CONBX) .....	55
Section Item 55: IC17 > NODE (IC17X) .....	56
Section Item 56: CONA > IC18 (CONAX) .....	57



## Table of Contents

Project Name	Project Number	Project Date
DJS2678 The Heights_ Auckland Drive_ Solihull	DJS2678	06/09/2023

Section Item 57: CONB > IC18 (CONBX) .....	58
Section Item 58: IC18 > NODE (IC18X) .....	59
Section Item 59: CONA > IC19 (CONAX) .....	60
Section Item 60: CONB > IC19 (CONBX) .....	61
Section Item 61: CONC > IC19 (CONCX) .....	62
Section Item 62: IC19 > NODE (IC19X) .....	63
Section Item 63: CONA > IC20 (CONAX) .....	64
Section Item 64: CONB > IC20 (CONBX) .....	65
Section Item 65: IC20 > NODE (IC20X) .....	66
Section Item 66: CONA > IC21 (CONAX) .....	67
Section Item 67: IC21 > NODE (IC21X) .....	68
Section Item 68: F3 > F4 (F3X) .....	69
Section Item 69: F4 > F4A (F4X) .....	71
Section Item 70: F4A > EXFMH (F4AX) .....	72
Section Item 71: S4 > S5 (S4X) .....	73
Section Item 72: S5 > S5A (S5X) .....	74
Section Item 73: SP15 > S5A (SP15X) .....	75
Section Item 74: CONA > S7 (CONAX) .....	76
Section Item 75: S7 > S8 (S7X) .....	77
Section Item 76: ACO > S8 (ACOX) .....	78
Section Item 77: S8 > INTERCEPTO (S8X) .....	79
Section Item 78: INTERCEPTO > S9 (INTERCEPTOX) .....	80
Section Item 79: S5A > S6 (S5AX) .....	81
Section Item 80: CONA > S1 (CONAX) .....	82
Section Item 81: CONA > S2 (CONAX) .....	83
Section Item 82: S1 > S2 (S1X) .....	84
Section Item 83: S2 > S3 (S2X) .....	85
Section Item 84: S3 > S6 (S3X) .....	86
Section Item 85: S6 > S9 (S6X) .....	87

## Table of Contents

Project Name	Project Number	Project Date
DJS2678 The Heights_ Auckland Drive_ Solihull	DJS2678	06/09/2023

Section Item 86: SP19 > S6 (SP19X) .....	88
Section Item 87: S9 > TANK (S9X) .....	89
Section Item 88: TANK > S10 (TANKX) .....	90
Section Item 89: S10 > S11 (S10X) .....	91
Section Item 90: S11 > EXSMH (S11X) .....	92
Section Item 91: AC4 > NODE (AC4X) .....	93

## Project Information

Project Name	Project Number	Project Date
DJS2678 The Heights_ Auckland Drive_ Solihull	DJS2678	06/09/2023

### Client

**Company:** JA Burke Construction  
**Contact:** Seamus Gantley  
**Department:** Contracts Manager  
**Street:** 960-962 Yardley Road  
**Town or City:** Birmingham  
**County:** West Midlands  
**Post Code:** B14 4BT  
**Phone:** 0121 4744186  
**Mobile:** 07487 246925  
**Email:** seamus.gantley@jaburke.co.uk



### Site

**Company:** JA Burke Construction  
**Description:** The Heights, Auckland Drive, Solihull  
**Contact:** Seamus Gantley  
**Department:** Site Contact  
**Street:** The Heights, Auckland Drive, Solihull  
**Town or City:** Solihull  
**County:** Birmingham  
**Post Code:** B36 0DD



### Contractor

**Company:** Drain Jet Surveys Ltd  
**Contact:** Paul Bennett  
**Department:** Drainage Engineer  
**Street:** 9 Keren Drive, Brockhill Village, Norton  
**Town or City:** Worcester  
**County:** Worcestershire  
**Post Code:** WR5 2SD  
**Phone:** 01905 864625





## Scoring Summary

**Project Name**  
DJS2678 The Heights\_ Auckland Drive\_ Solihull

**Project Number**  
DJS2678

**Project Date**  
06/09/2023

### Structural Defects

Section	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

### 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
70	F4AX	3	Settled deposits, hard or compacted, 5% cross-sectional area loss

### Abandoned Surveys

Section	PLR	Description
29	F2X	Survey abandoned
30	F2X	Survey abandoned

### Information

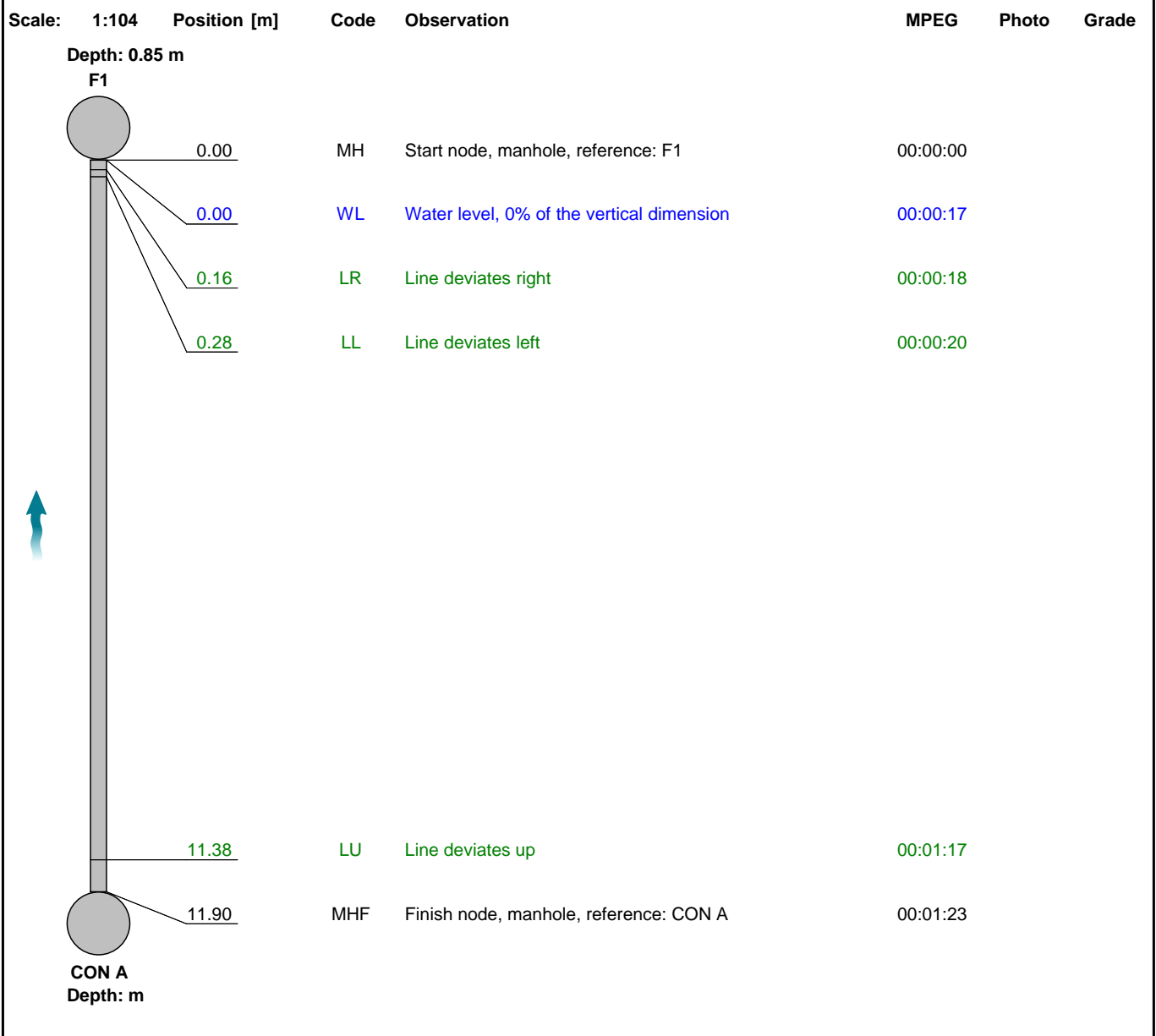
These scoring summaries are based on the SRM grading from the WRc.

**Section Inspection - 15/08/2023 - CON AX**

Item No. 1	Insp. No. 1	Date: 15/08/23	Time: 4:20	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	11.90 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	11.90 m	<b>Downstream Node:</b>	F1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



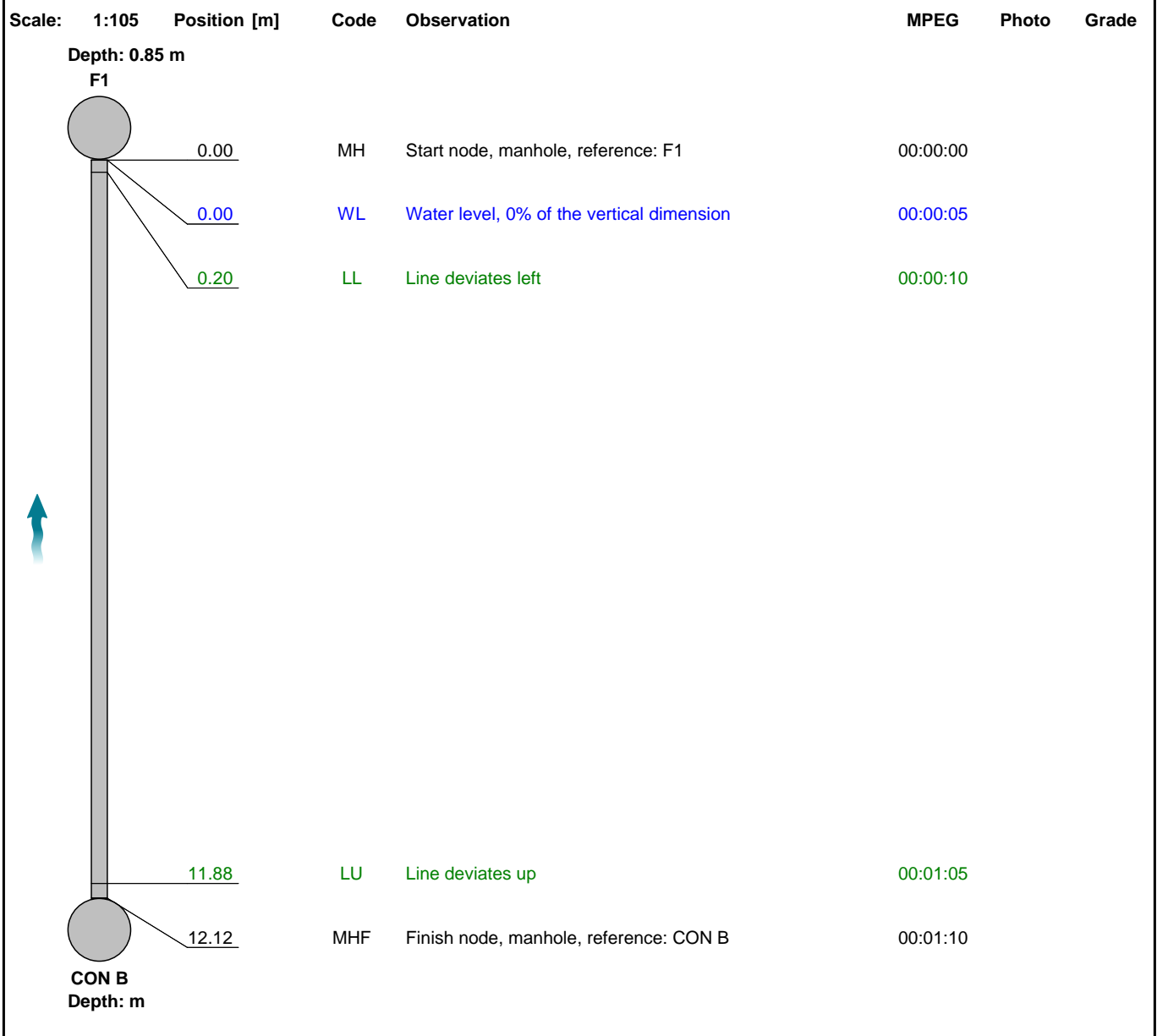
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON BX

Item No. 2	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	12.12 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	12.12 m	<b>Downstream Node:</b>	F1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



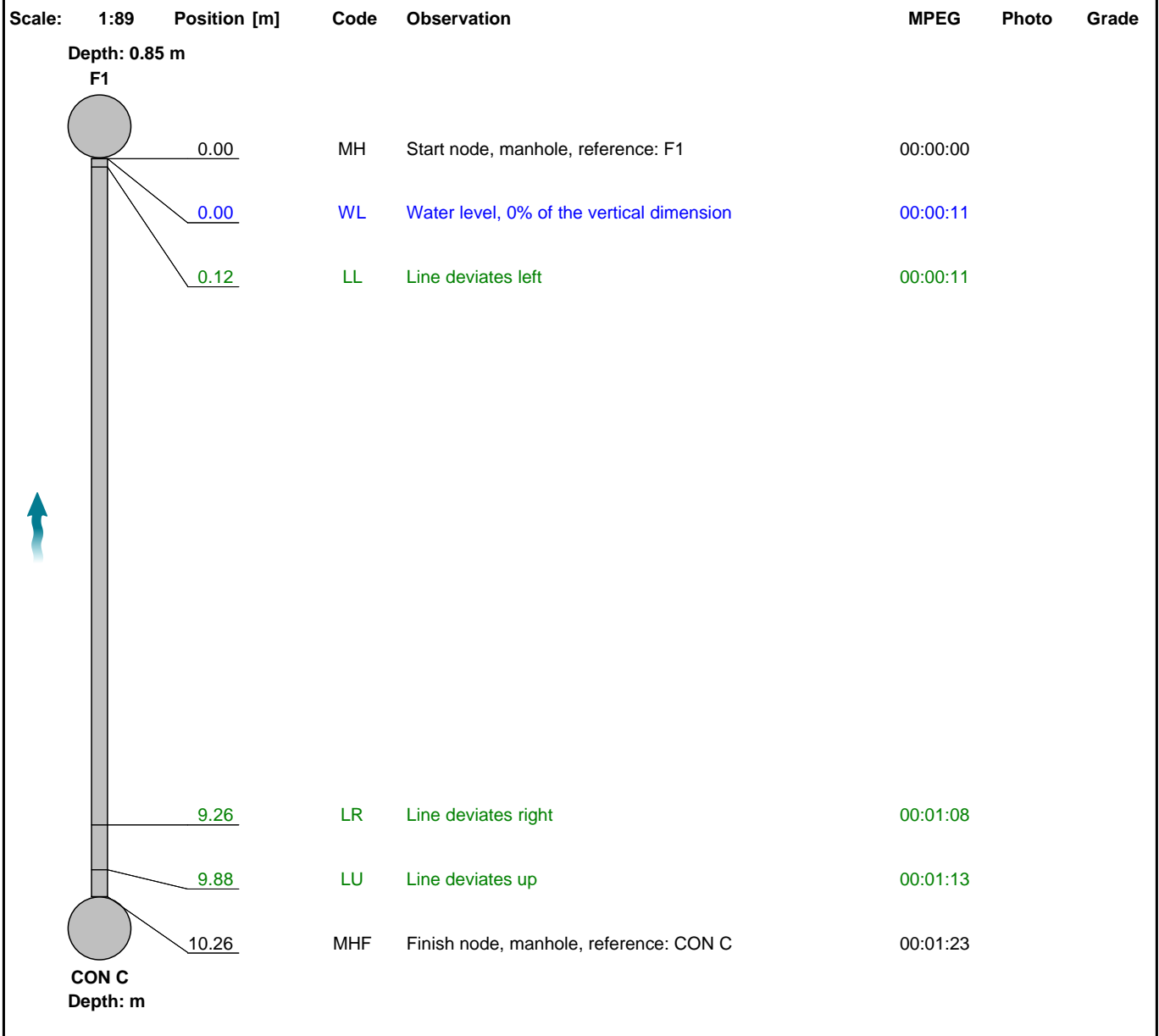
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 15/08/2023 - CON CX**

Item No. 3	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON C
Road: Auckland Drive	Inspected Length: 10.26 m	Upstream Pipe Depth:
Location:	Total Length: 10.26 m	Downstream Node: F1
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.850 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:



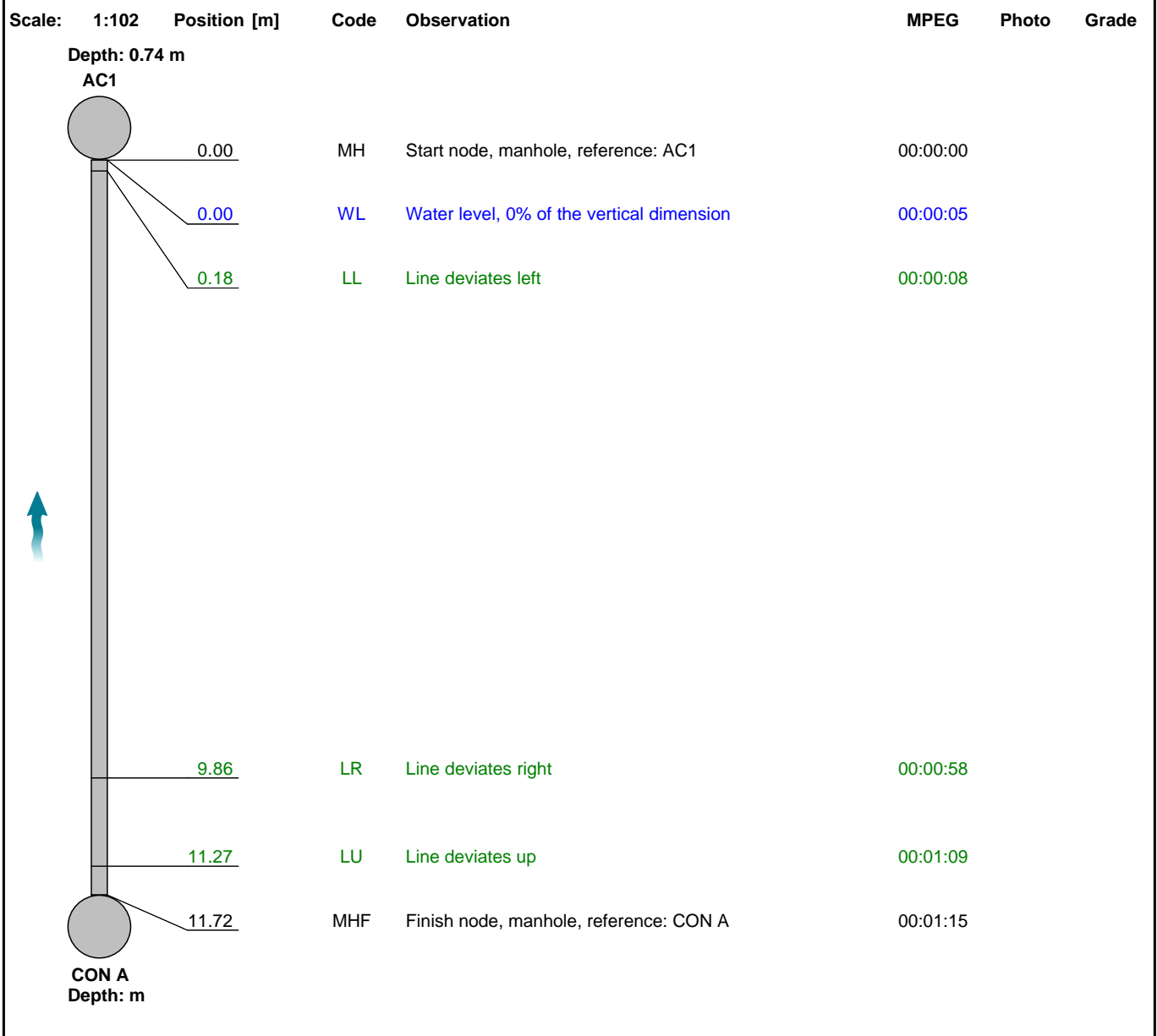
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON AX

Item No. 4	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	11.72 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	11.72 m	<b>Downstream Node:</b>	AC1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.740 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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



### Section Inspection - 15/08/2023 - AC1X

Item No. 5	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC1X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC1
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.99 m	<b>Upstream Pipe Depth:</b>	0.740 m
<b>Location:</b>		<b>Total Length:</b>	0.99 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: AC1		00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension		00:00:06		
	0.73	LD	Line deviates down		00:00:13		
	0.99	MHF	Finish node, manhole, reference: NODE		00:00:20		

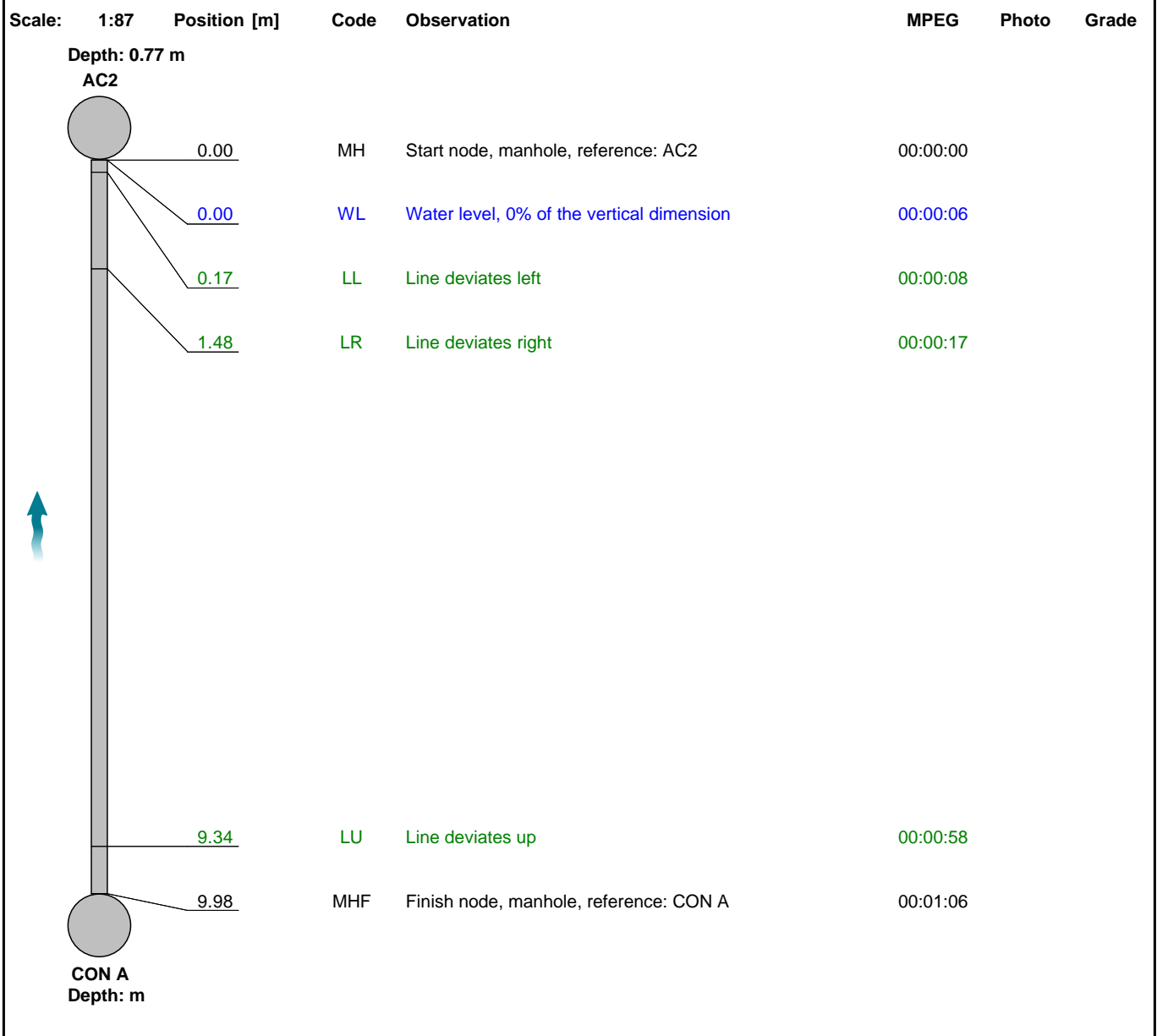
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 15/08/2023 - CON AX

Item No. 6	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 9.98 m	Upstream Pipe Depth:
Location:	Total Length: 9.98 m	Downstream Node: AC2
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.770 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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



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

**Section Inspection - 15/08/2023 - AC2X**

Item No. 7	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC2X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC2
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.79 m	<b>Upstream Pipe Depth:</b>	0.770 m
<b>Location:</b>		<b>Total Length:</b>	0.79 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: AC2	00:00:00			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:05			
	0.42	LD	Line deviates down	00:00:14			
	0.79	MHF	Finish node, manhole, reference: NODE	00:00:22			

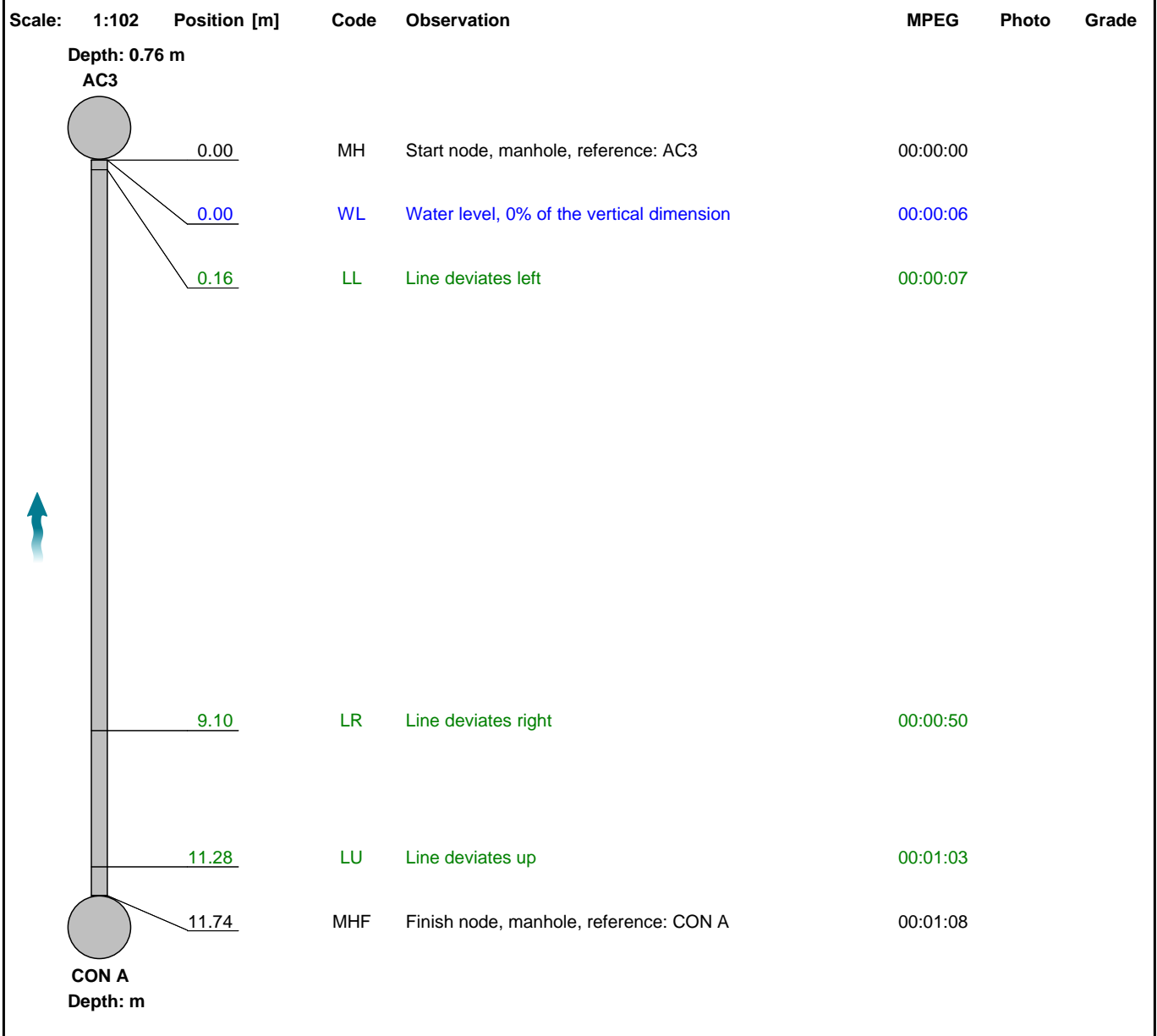
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 15/08/2023 - CON AX

Item No. 8	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 11.74 m	Upstream Pipe Depth:
Location:	Total Length: 11.74 m	Downstream Node: AC3
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.760 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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



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

### Section Inspection - 15/08/2023 - AC3X

Item No. 9	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC3X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC3
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.97 m	<b>Upstream Pipe Depth:</b>	0.760 m
<b>Location:</b>		<b>Total Length:</b>	0.97 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

**Comments:**

**Recommendations:**

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: AC3	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:05		
		0.46	LD	Line deviates down	00:00:15		
		0.97	MHF	Finish node, manhole, reference: NODE	00:00:28		

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

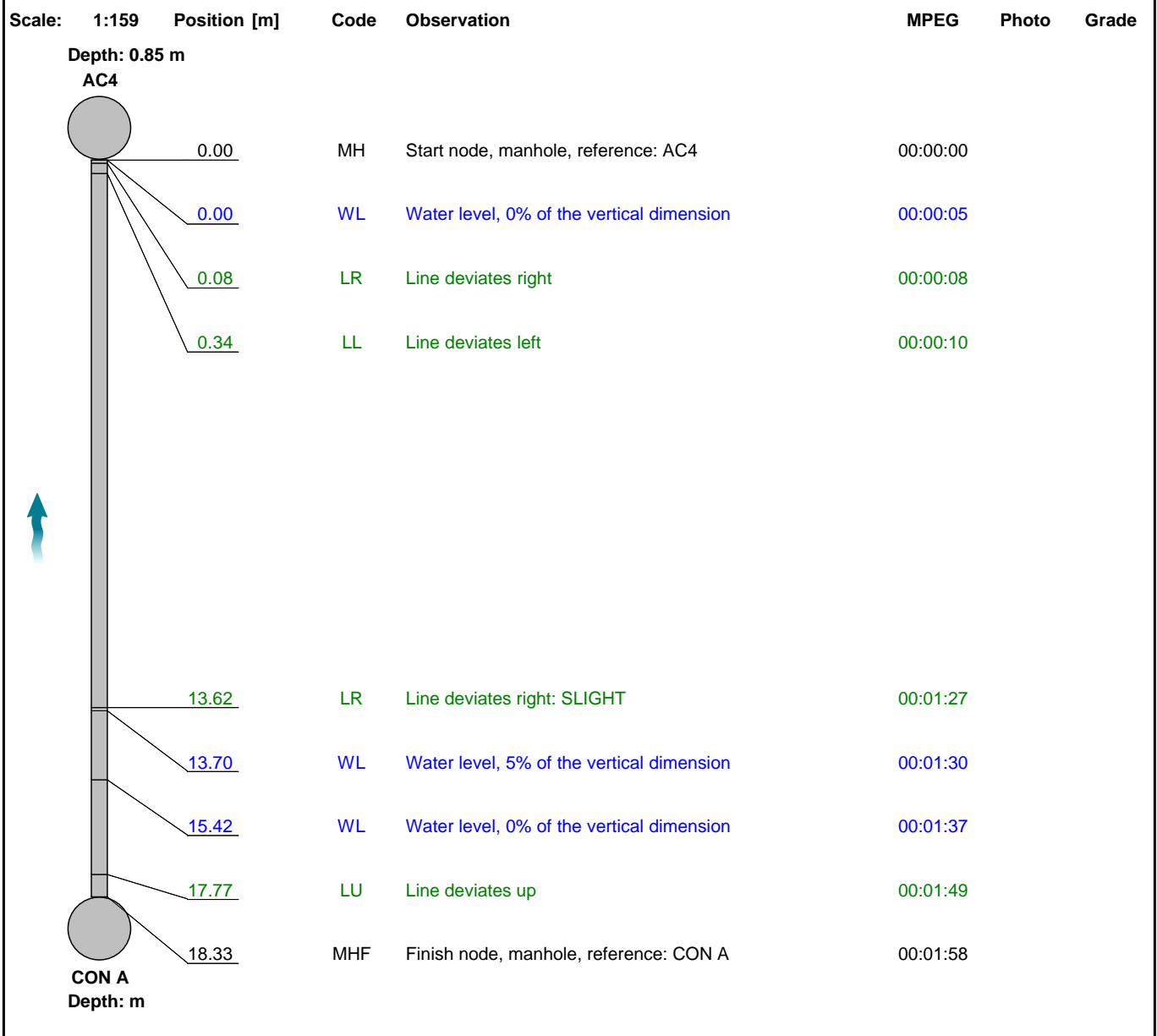


## Section Inspection - 15/08/2023 - CON AX

Item No. 10	Insp. No. 1	Date: 15/08/23	Time: 4:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 18.33 m	Upstream Pipe Depth:
Location:	Total Length: 18.33 m	Downstream Node: AC4
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.850 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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



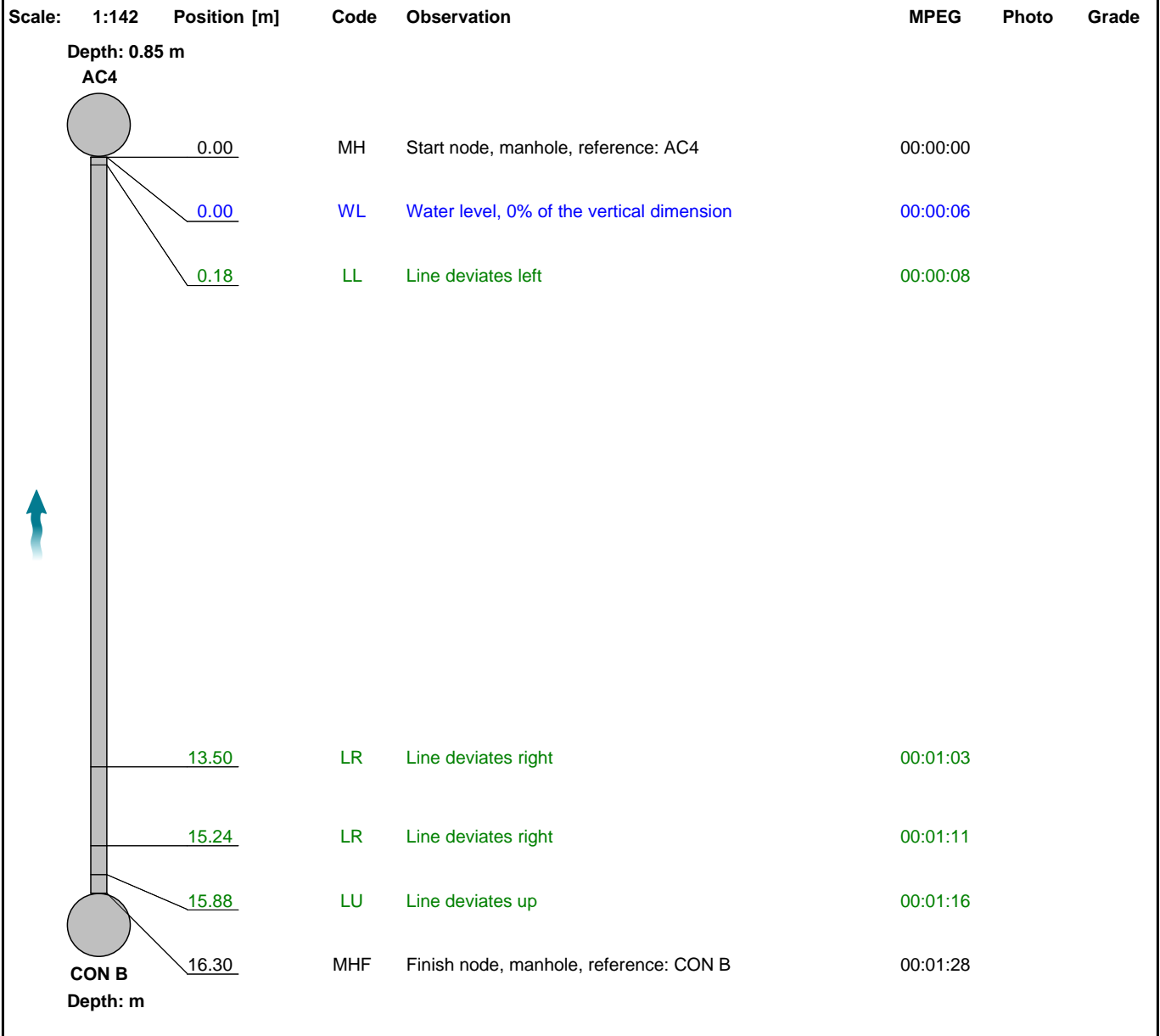
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 15/08/2023 - CON BX**

Item No. 11	Insp. No. 1	Date: 15/08/23	Time: 4:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	16.30 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	16.30 m	<b>Downstream Node:</b>	AC4
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



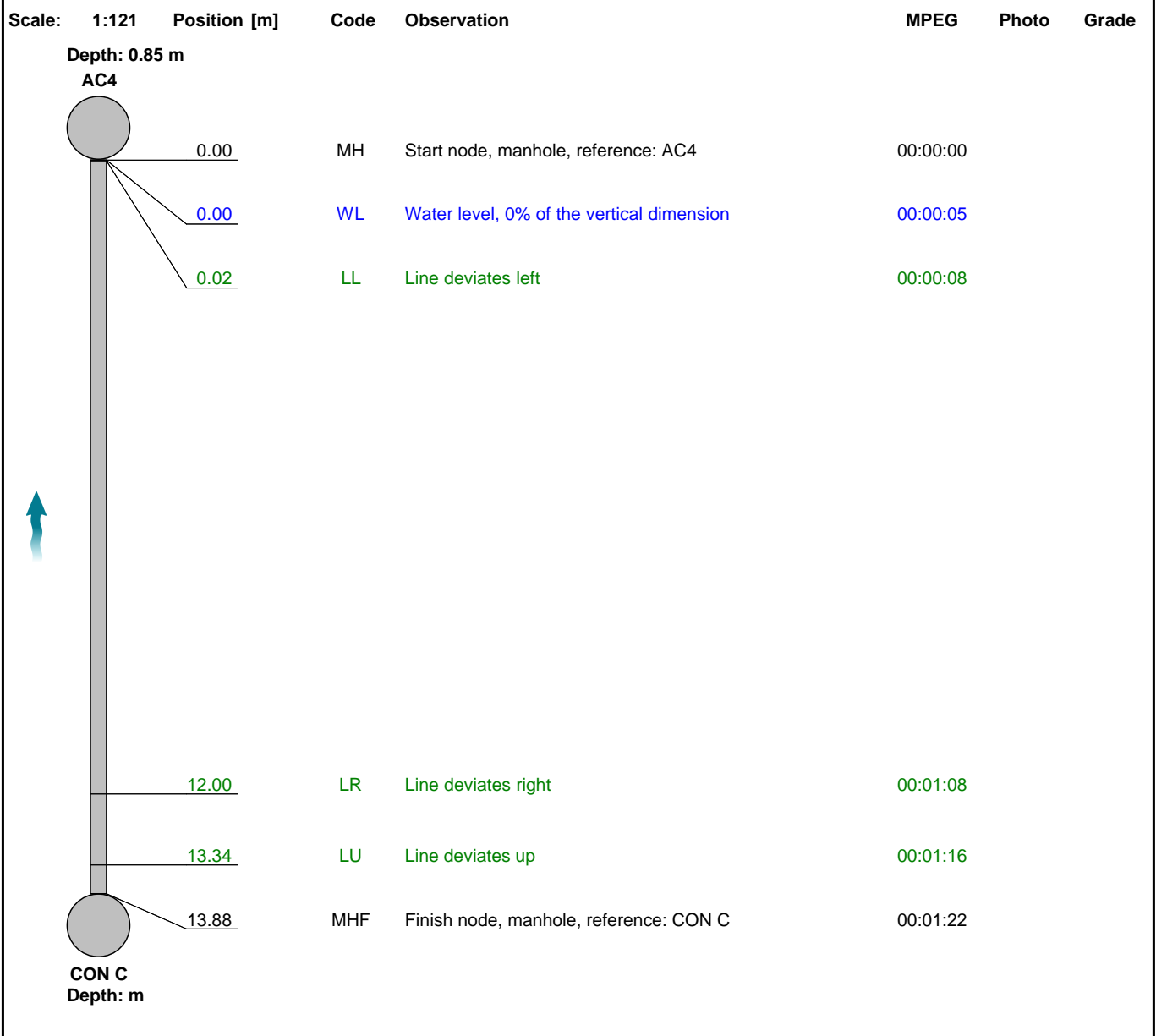
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 15/08/2023 - CON CX**

Item No. 12	Insp. No. 1	Date: 15/08/23	Time: 4:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON C
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	13.88 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	13.88 m	<b>Downstream Node:</b>	AC4
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



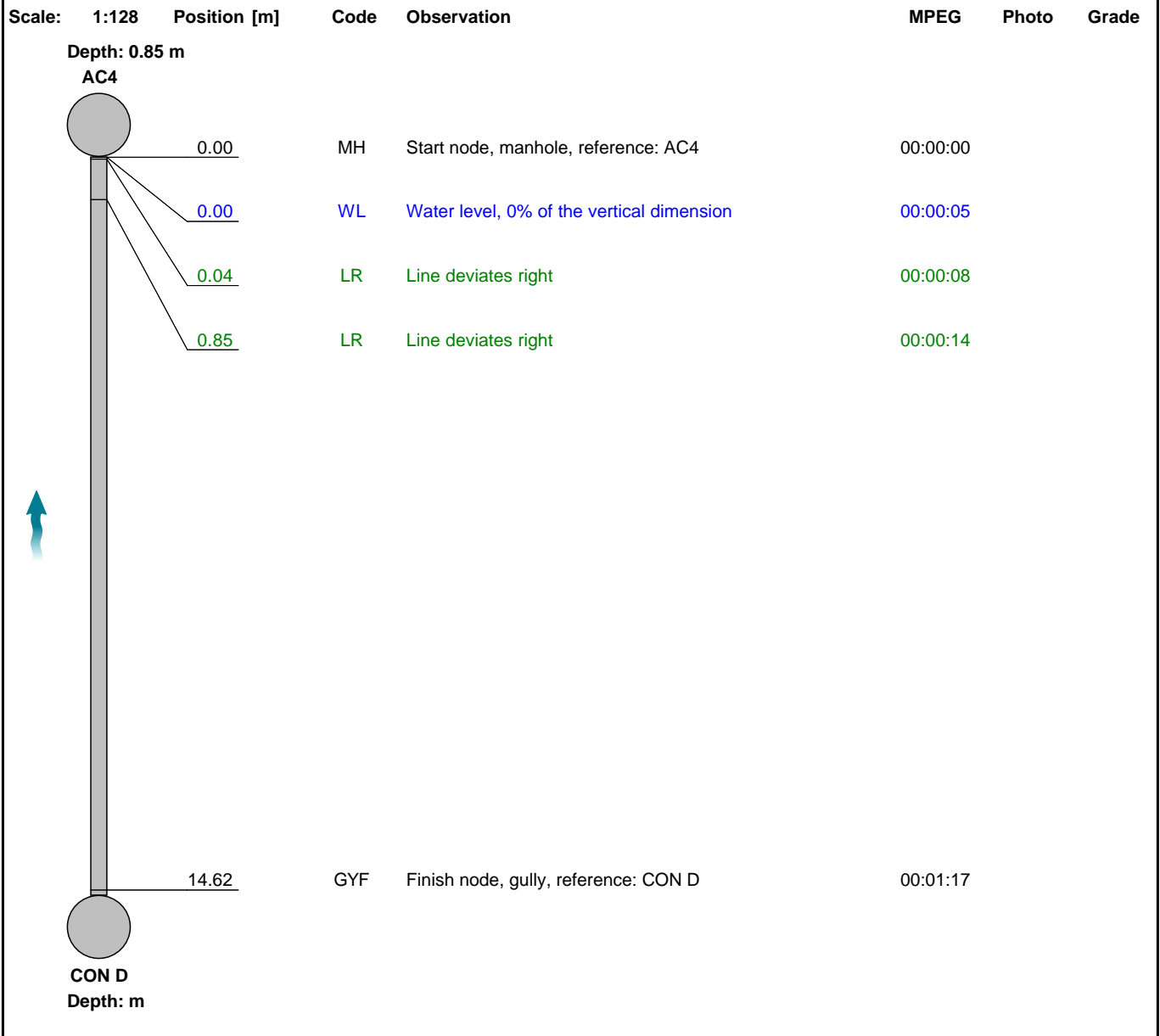
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 15/08/2023 - CON DX**

Item No. 13	Insp. No. 1	Date: 15/08/23	Time: 4:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON DX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON D
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	14.62 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	14.72 m	<b>Downstream Node:</b>	AC4
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

## Section Inspection - 15/08/2023 - CON AX

Item No. 14	Insp. No. 1	Date: 15/08/23	Time: 4:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 1.62 m	Upstream Pipe Depth:
Location:	Total Length: 1.62 m	Downstream Node: AC5
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.840 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																												
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <table border="1" style="margin-left: 10px;"> <tr> <td style="width: 10%;">0.00</td> <td style="width: 10%;">MH</td> <td style="width: 40%;">Start node, manhole, reference: AC5</td> <td style="width: 10%;">00:00:00</td> </tr> <tr> <td style="color: blue;">0.00</td> <td style="color: blue;">WL</td> <td style="color: blue;">Water level, 0% of the vertical dimension</td> <td style="color: blue;">00:00:06</td> </tr> <tr> <td style="color: green;">0.10</td> <td style="color: green;">LR</td> <td style="color: green;">Line deviates right</td> <td style="color: green;">00:00:10</td> </tr> <tr> <td style="color: green;">0.10</td> <td style="color: green;">LU</td> <td style="color: green;">Line deviates up</td> <td style="color: green;">00:00:10</td> </tr> <tr> <td style="color: green;">0.52</td> <td style="color: green;">LL</td> <td style="color: green;">Line deviates left</td> <td style="color: green;">00:00:16</td> </tr> <tr> <td style="color: green;">1.31</td> <td style="color: green;">LU</td> <td style="color: green;">Line deviates up</td> <td style="color: green;">00:00:23</td> </tr> <tr> <td style="color: green;">1.62</td> <td style="color: green;">MHF</td> <td style="color: green;">Finish node, manhole, reference: CON A</td> <td style="color: green;">00:00:33</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: AC5	00:00:00	0.00	WL	Water level, 0% of the vertical dimension	00:00:06	0.10	LR	Line deviates right	00:00:10	0.10	LU	Line deviates up	00:00:10	0.52	LL	Line deviates left	00:00:16	1.31	LU	Line deviates up	00:00:23	1.62	MHF	Finish node, manhole, reference: CON A	00:00:33
0.00	MH	Start node, manhole, reference: AC5	00:00:00																																
0.00	WL	Water level, 0% of the vertical dimension	00:00:06																																
0.10	LR	Line deviates right	00:00:10																																
0.10	LU	Line deviates up	00:00:10																																
0.52	LL	Line deviates left	00:00:16																																
1.31	LU	Line deviates up	00:00:23																																
1.62	MHF	Finish node, manhole, reference: CON A	00:00:33																																

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



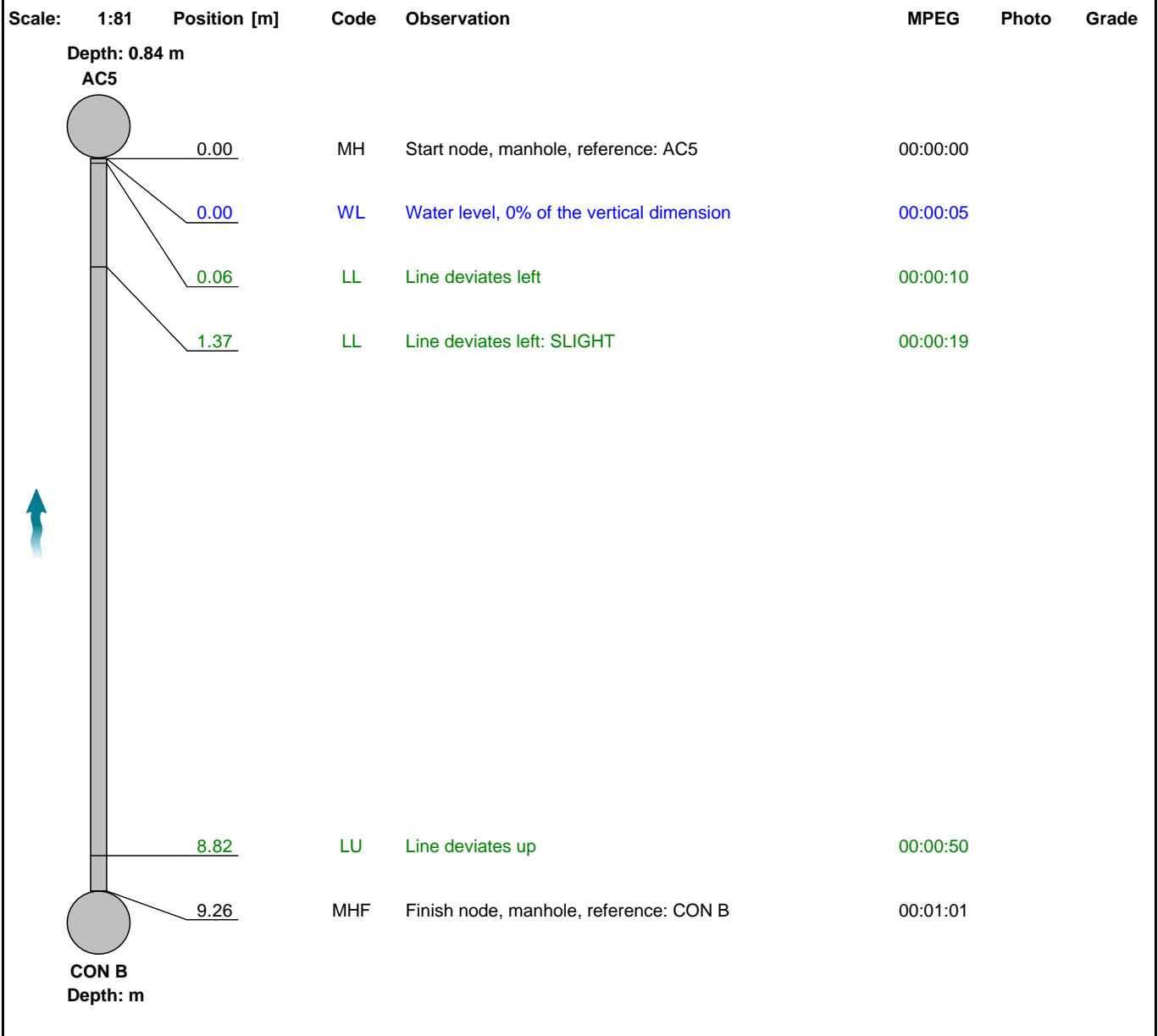
### Section Inspection - 15/08/2023 - CON BX

Item No. 15	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	9.26 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	9.26 m	<b>Downstream Node:</b>	AC5
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m

<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining

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



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

**Section Inspection - 15/08/2023 - AC5X**

Item No. 16	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC5X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC5
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.17 m	<b>Upstream Pipe Depth:</b>	0.840 m
<b>Location:</b>		<b>Total Length:</b>	1.17 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: AC5	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:05		
		0.20	LD	Line deviates down	00:00:09		
		1.17	MHF	Finish node, manhole, reference: NODE	00:00:20		

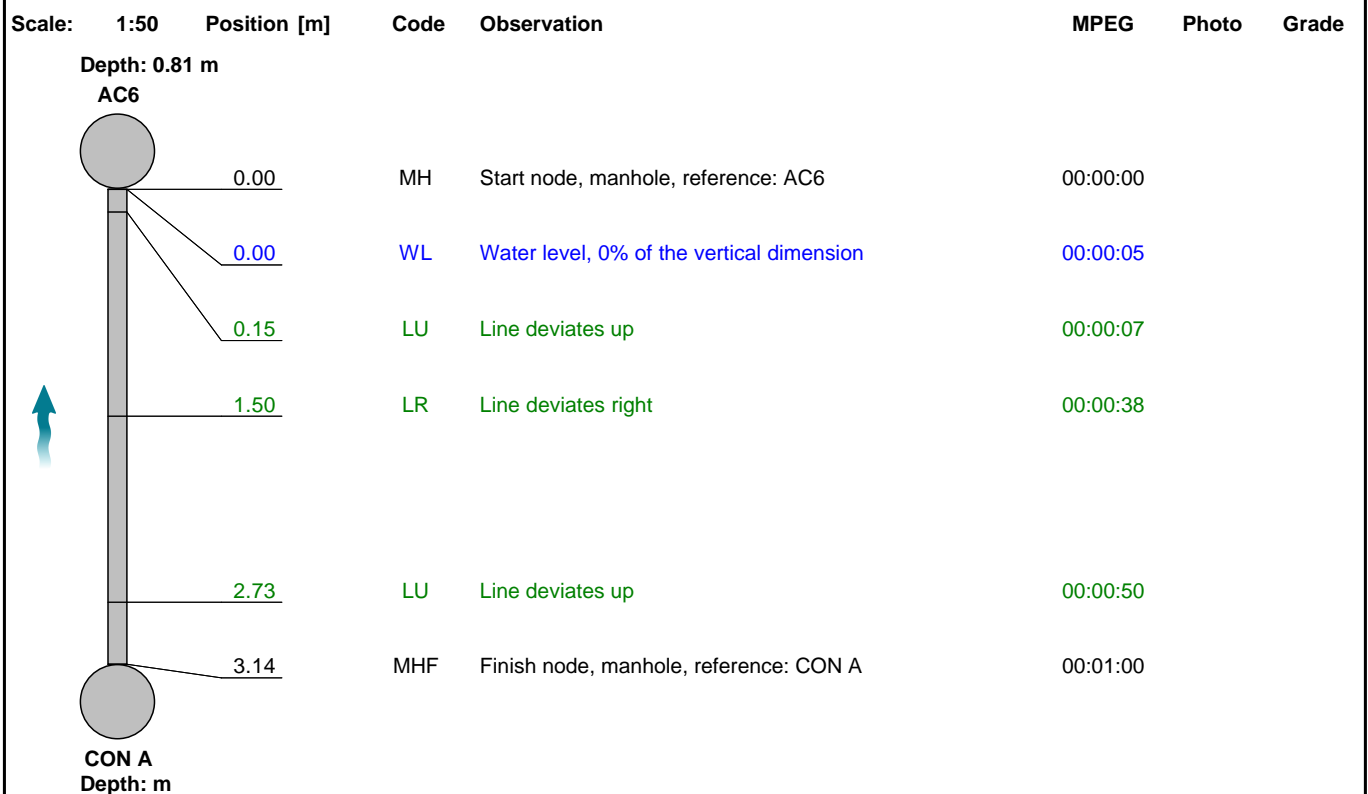
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON AX

Item No. 17	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.14 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	3.14 m	<b>Downstream Node:</b>	AC6
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.810 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



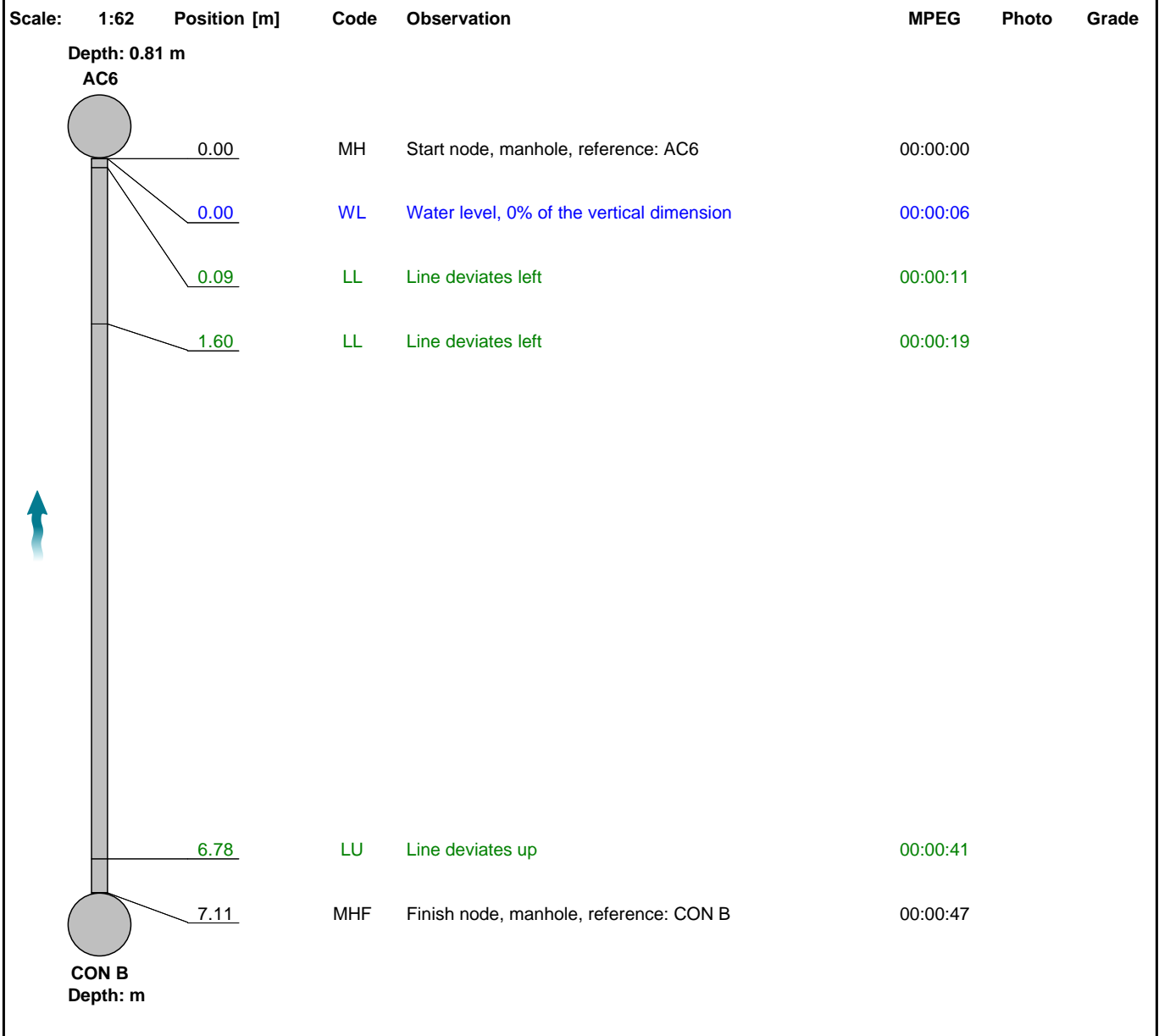
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON BX

Item No. 18	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	7.11 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	7.11 m	<b>Downstream Node:</b>	AC6
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.810 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

**Section Inspection - 15/08/2023 - AC6X**

Item No. 19	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC6X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC6
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.17 m	<b>Upstream Pipe Depth:</b>	0.810 m
<b>Location:</b>		<b>Total Length:</b>	1.17 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: AC6	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:05		
		0.42	LD	Line deviates down	00:00:13		
		1.17	MHF	Finish node, manhole, reference: NODE	00:00:27		

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 Inspection - 15/08/2023 - CON AX

Item No. 20	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 2.72 m	Upstream Pipe Depth: Not Specified
Location: Not Specified	Total Length: 2.72 m	Downstream Node: AC7
Surface Type: Not Specified	Joint Length: Not Specified	Downstream Pipe Depth: 0.720 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: AC7	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:06		
	0.20	LR	Line deviates right	00:00:12		
	0.39	LL	Line deviates left	00:00:18		
	1.44	LL	Line deviates left	00:00:27		
	2.39	LU	Line deviates up	00:00:34		
	2.72	MHF	Finish node, manhole, reference: CON A	00:00:49		

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

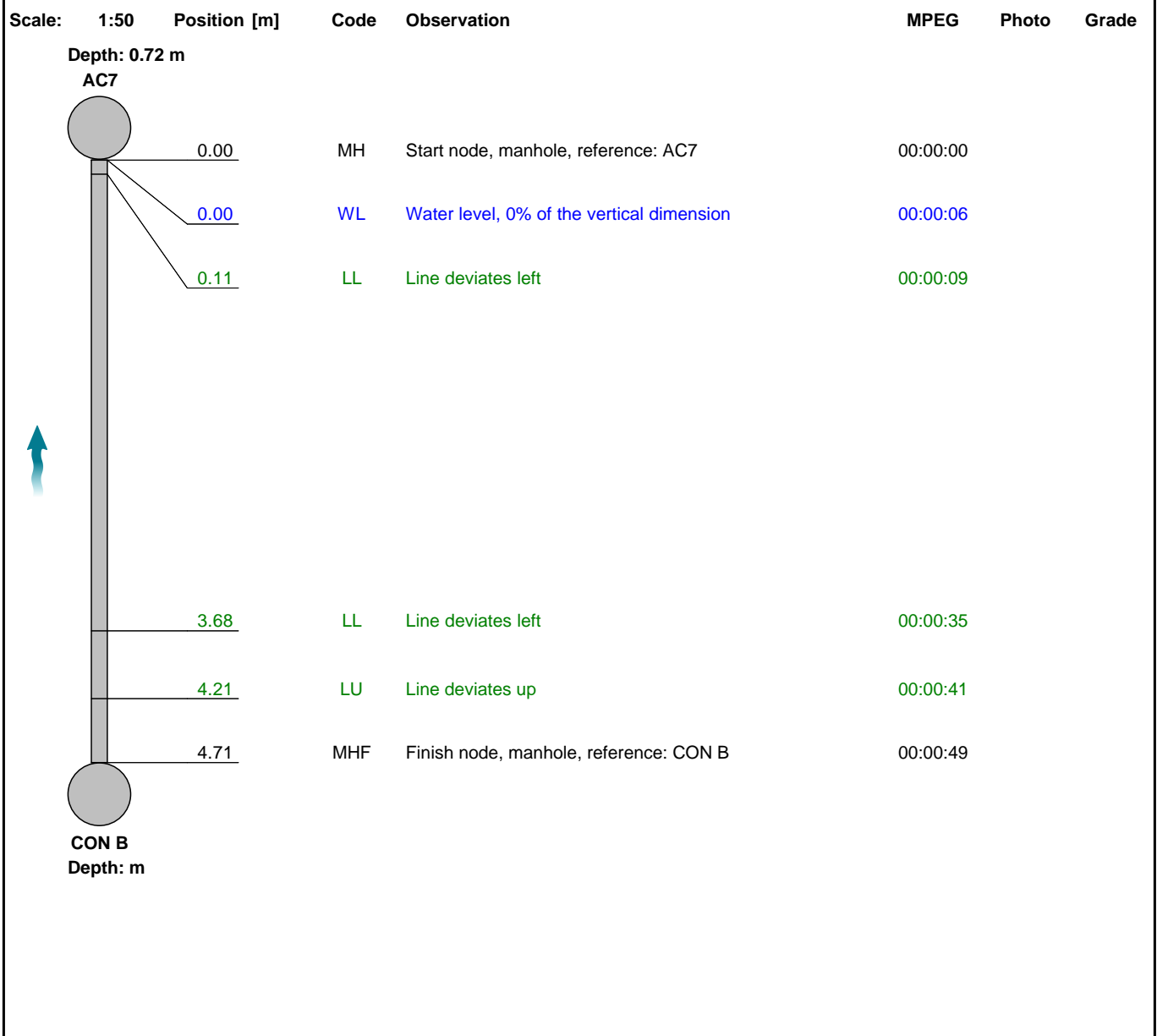


### Section Inspection - 15/08/2023 - CON BX

Item No. 21	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	4.71 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	4.71 m	<b>Downstream Node:</b>	AC7
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.720 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

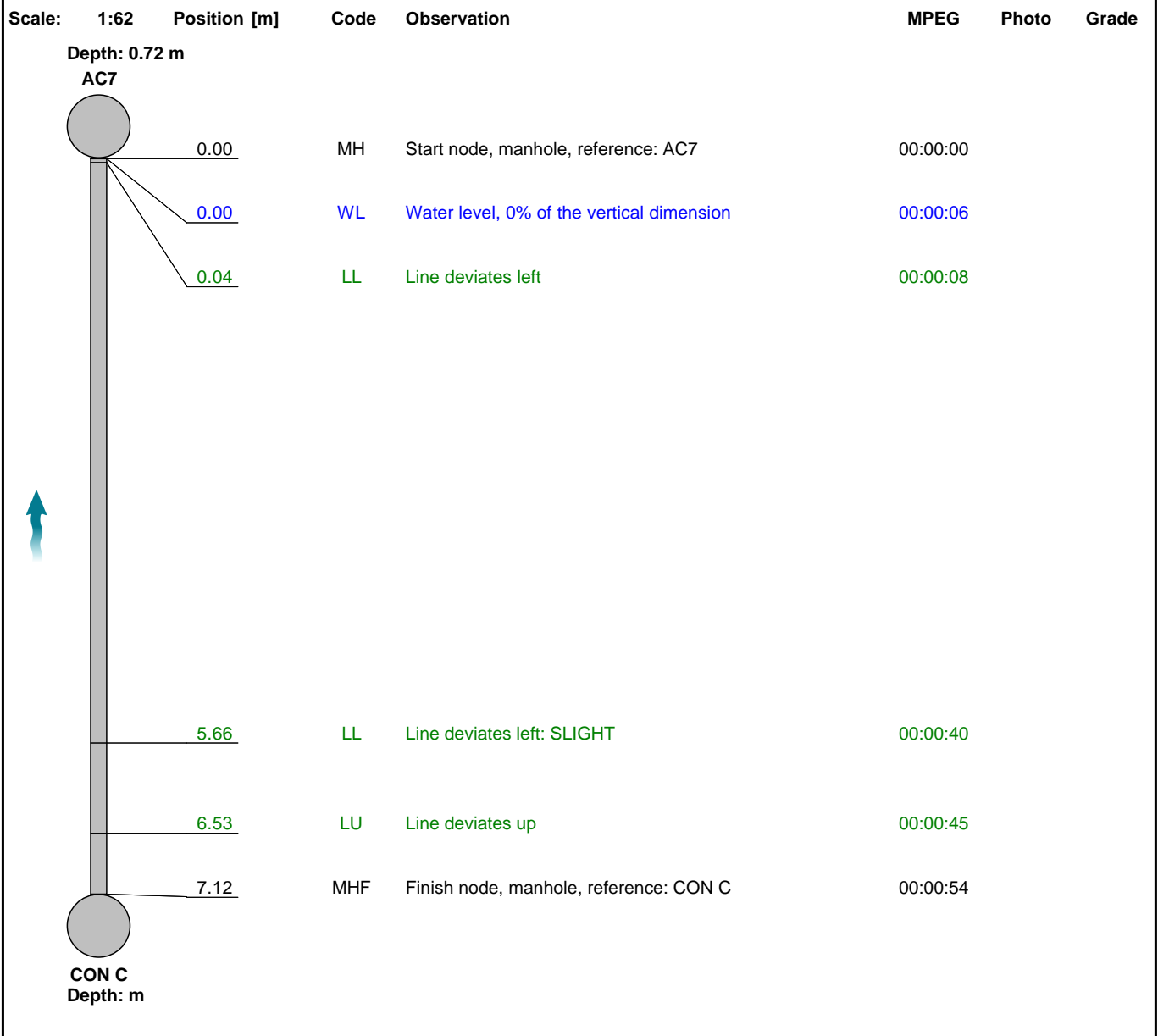
**Section Inspection - 15/08/2023 - CON CX**

Item No. 22	Insp. No. 1	Date: 15/08/23	Time: 4:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON C
Road: Auckland Drive	Inspected Length: 7.12 m	Upstream Pipe Depth:
Location:	Total Length: 7.12 m	Downstream Node: AC7
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.720 m

Use: Foul	Pipe Shape: Circular
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm
Flow Control: No flow control	Material: Polyethylene
Year Constructed: Not Specified	Lining Type: No Lining
Inspection Purpose: Post completion condition survey	Lining Material: No Lining

Comments:  
Recommendations:



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

### Section Inspection - 15/08/2023 - AC7X

Item No. 23	Insp. No. 1	Date: 15/08/23	Time: 4:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC7X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC7
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.17 m	<b>Upstream Pipe Depth:</b>	0.720 m
<b>Location:</b>		<b>Total Length:</b>	1.54 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.72 m							
AC7							
	0.00		MH	Start node, manhole, reference: AC7	00:00:00		
	0.00		WL	Water level, 0% of the vertical dimension	00:00:09		
	0.23		LL	Line deviates left	00:00:10		
	1.07		LD	Line deviates down	00:00:24		
	1.07		LR	Line deviates right	00:00:24		
NODE							
	1.17		MHF	Finish node, manhole, reference: NODE	00:00:00		
Depth: m							

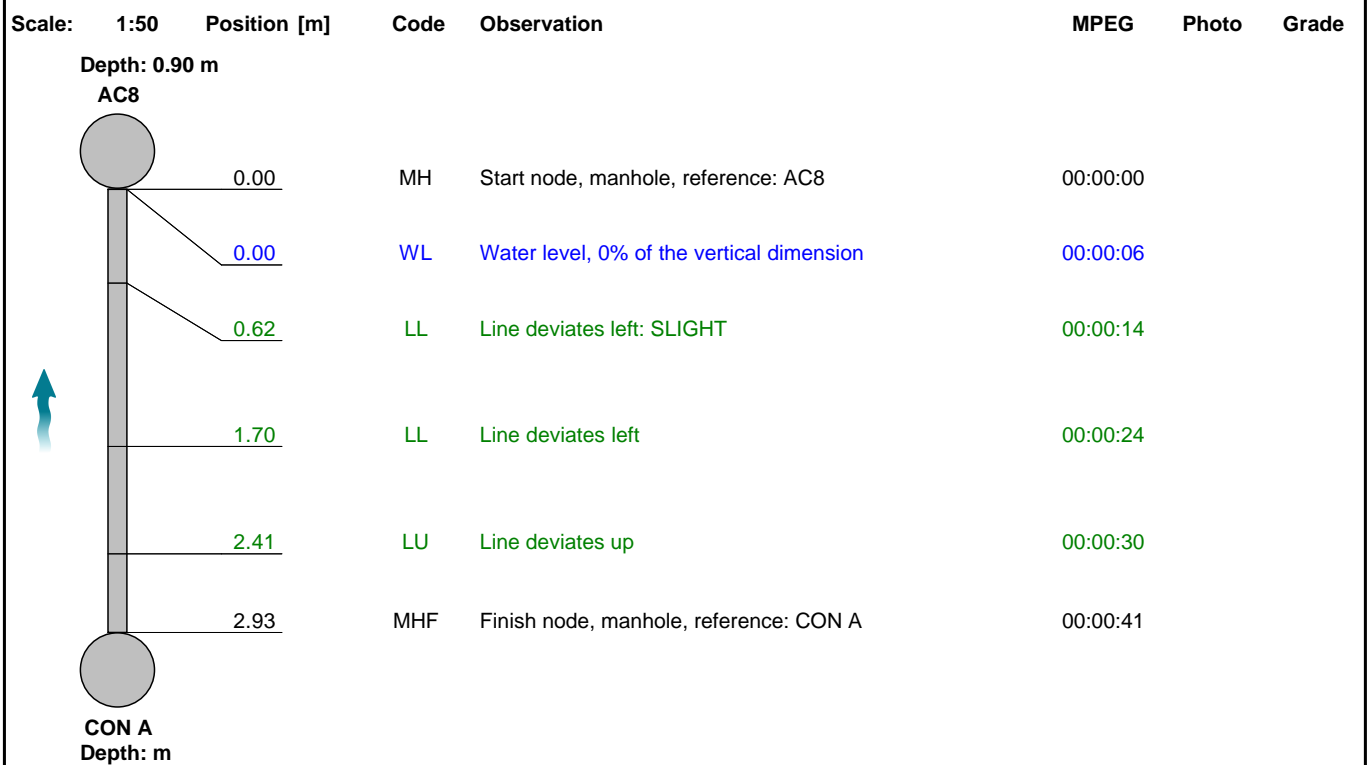
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 15/08/2023 - CON AX

Item No. 24	Insp. No. 1	Date: 15/08/23	Time: 4:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Solihull	Inspection Direction:	Upstream	Upstream Node:	CON A
Road:	Auckland Drive	Inspected Length:	2.93 m	Upstream Pipe Depth:	
Location:		Total Length:	2.93 m	Downstream Node:	AC8
Surface Type:		Joint Length:		Downstream Pipe Depth:	0.900 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyethylene		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey	Lining Material:	No Lining		

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



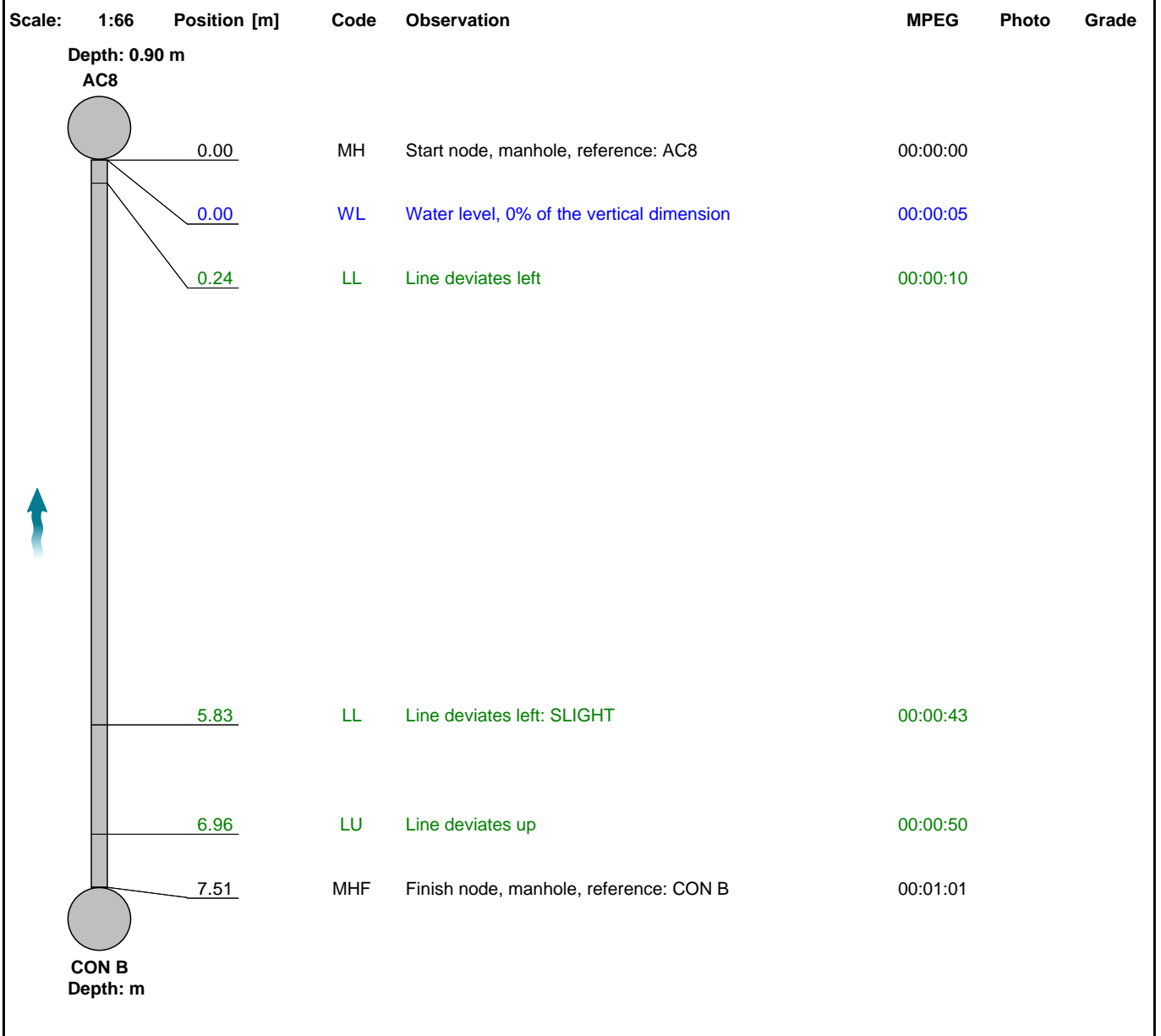
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON BX

Item No. 25	Insp. No. 1	Date: 15/08/23	Time: 4:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	7.51 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	7.51 m	<b>Downstream Node:</b>	AC8
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.900 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

**Section Inspection - 15/08/2023 - AC8X**

Item No. 26	Insp. No. 1	Date: 15/08/23	Time: 4:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC8X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC8
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.95 m	<b>Upstream Pipe Depth:</b>	0.900 m
<b>Location:</b>		<b>Total Length:</b>	0.95 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: AC8	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:06		
		0.10	LD	Line deviates down	00:00:09		
		0.95	MHF	Finish node, manhole, reference: NODE	00:00:26		

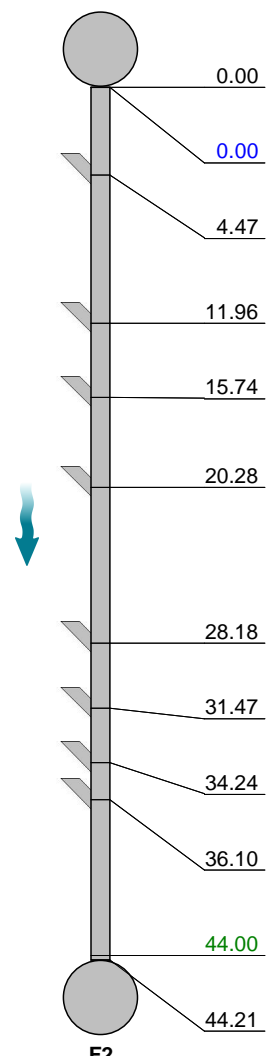
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 15/08/2023 - F1X

Item No. 27	Insp. No. 1	Date: 15/08/23	Time: 5:02	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F1X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: F1
Road: Auckland Drive	Inspected Length: 44.21 m	Upstream Pipe Depth: 0.850 m
Location:	Total Length: 44.21 m	Downstream Node: F2
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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

Scale:	1:383	Position [m]	Code	Observation	MPEG	Photo	Grade																																																
<div style="display: flex; align-items: center;"> <div style="width: 20%; text-align: center;"> <p>Depth: 0.85 m</p> <p>F1</p>  <p>F2</p> <p>Depth: m</p> </div> <table border="1" style="width: 80%; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td>MH</td> <td>Start node, manhole, reference: F1</td> <td style="text-align: right;">00:00:00</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td>WL</td> <td>Water level, 0% of the vertical dimension</td> <td style="text-align: right;">00:00:05</td> </tr> <tr> <td style="text-align: right;">4.47</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:00:36</td> </tr> <tr> <td style="text-align: right;">11.96</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:17</td> </tr> <tr> <td style="text-align: right;">15.74</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:39</td> </tr> <tr> <td style="text-align: right;">20.28</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:02:07</td> </tr> <tr> <td style="text-align: right;">28.18</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:02:48</td> </tr> <tr> <td style="text-align: right;">31.47</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:10</td> </tr> <tr> <td style="text-align: right;">34.24</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:25</td> </tr> <tr> <td style="text-align: right;">36.10</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:43</td> </tr> <tr> <td style="text-align: right;">44.00</td> <td>LR</td> <td>Line deviates right</td> <td style="text-align: right;">00:04:21</td> </tr> <tr> <td style="text-align: right;">44.21</td> <td>MHF</td> <td>Finish node, manhole, reference: F2</td> <td style="text-align: right;">00:04:27</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: F1	00:00:00	0.00	WL	Water level, 0% of the vertical dimension	00:00:05	4.47	JN	Junction at 1 o'clock, 100mm dia	00:00:36	11.96	JN	Junction at 1 o'clock, 100mm dia	00:01:17	15.74	JN	Junction at 1 o'clock, 100mm dia	00:01:39	20.28	JN	Junction at 1 o'clock, 100mm dia	00:02:07	28.18	JN	Junction at 1 o'clock, 100mm dia	00:02:48	31.47	JN	Junction at 1 o'clock, 100mm dia	00:03:10	34.24	JN	Junction at 1 o'clock, 100mm dia	00:03:25	36.10	JN	Junction at 1 o'clock, 100mm dia	00:03:43	44.00	LR	Line deviates right	00:04:21	44.21	MHF	Finish node, manhole, reference: F2	00:04:27
0.00	MH	Start node, manhole, reference: F1	00:00:00																																																				
0.00	WL	Water level, 0% of the vertical dimension	00:00:05																																																				
4.47	JN	Junction at 1 o'clock, 100mm dia	00:00:36																																																				
11.96	JN	Junction at 1 o'clock, 100mm dia	00:01:17																																																				
15.74	JN	Junction at 1 o'clock, 100mm dia	00:01:39																																																				
20.28	JN	Junction at 1 o'clock, 100mm dia	00:02:07																																																				
28.18	JN	Junction at 1 o'clock, 100mm dia	00:02:48																																																				
31.47	JN	Junction at 1 o'clock, 100mm dia	00:03:10																																																				
34.24	JN	Junction at 1 o'clock, 100mm dia	00:03:25																																																				
36.10	JN	Junction at 1 o'clock, 100mm dia	00:03:43																																																				
44.00	LR	Line deviates right	00:04:21																																																				
44.21	MHF	Finish node, manhole, reference: F2	00:04:27																																																				
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																																														

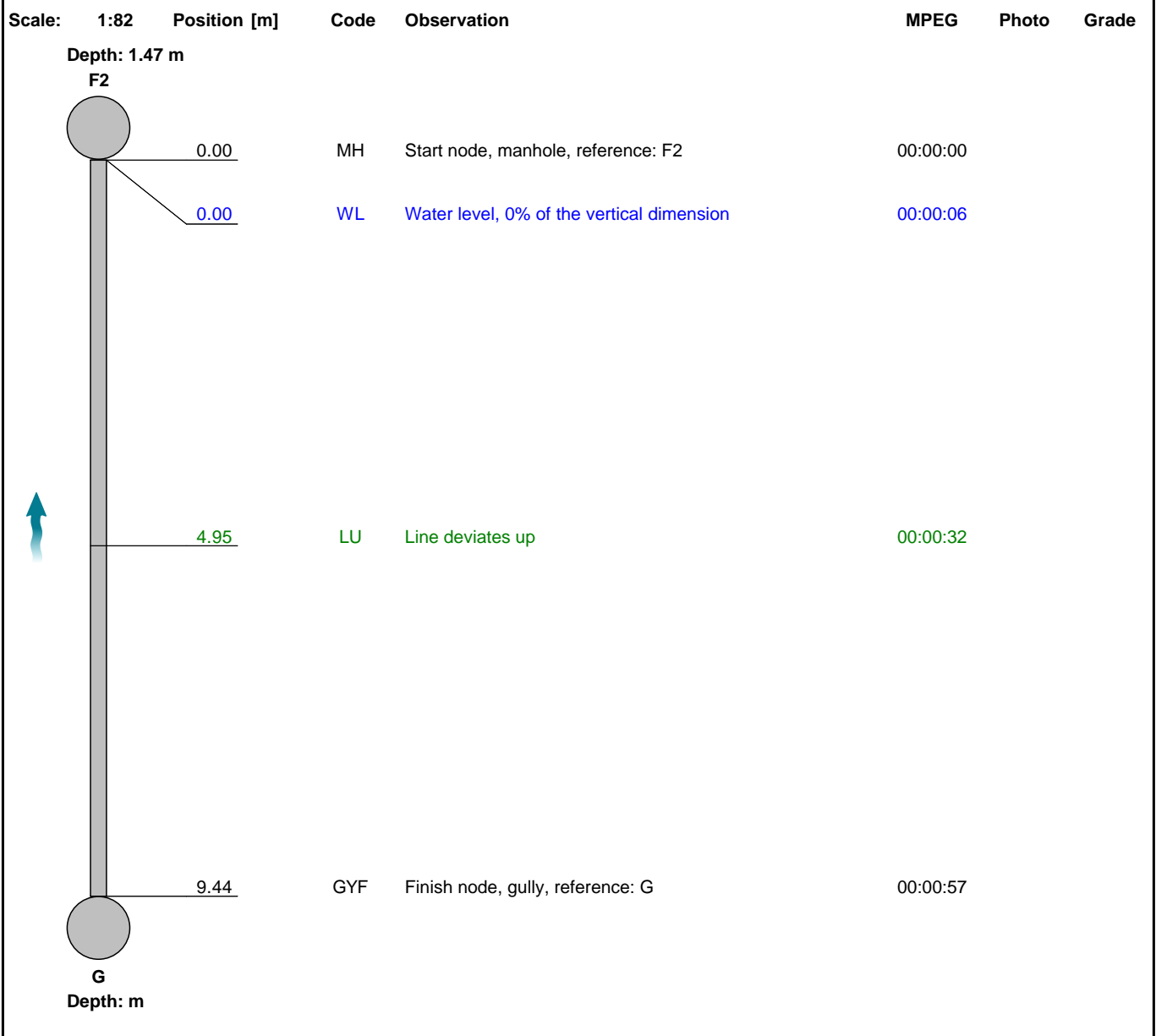


### Section Inspection - 15/08/2023 - GX

Item No. 28	Insp. No. 1	Date: 15/08/23	Time: 5:03	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR GX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	G
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	9.44 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	9.44 m	<b>Downstream Node:</b>	F2
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.470 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



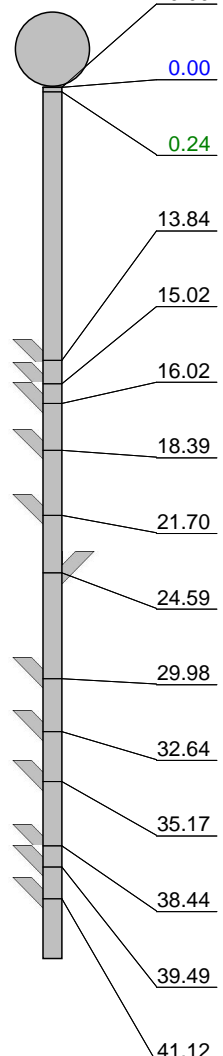
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 29/08/2023 - F2X

Item No. 29	Insp. No. 1	Date: 29/08/23	Time: 16:39	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F2X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: F2
Road: Auckland Drive	Inspected Length: 52.07 m	Upstream Pipe Depth: 1.490 m
Location:	Total Length: 52.07 m	Downstream Node: F3
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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

Scale:	1:383	Position [m]	Code	Observation	MPEG	Photo	Grade																																																												
<div style="display: flex; align-items: flex-start;"> <div style="width: 20%; text-align: right; padding-right: 10px;"> <p>Depth: 1.49 m</p> <p><b>F2</b></p>  </div> <table border="1" style="width: 80%; border-collapse: collapse;"> <tr> <td style="text-align: right;">0.00</td> <td>MH</td> <td>Start node, manhole, reference: F2</td> <td style="text-align: right;">00:00:00</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td>WL</td> <td>Water level, 5% of the vertical dimension</td> <td style="text-align: right;">00:00:05</td> </tr> <tr> <td style="text-align: right;">0.24</td> <td>LR</td> <td>Line deviates right</td> <td style="text-align: right;">00:00:08</td> </tr> <tr> <td style="text-align: right;">13.84</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:01</td> </tr> <tr> <td style="text-align: right;">15.02</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:09</td> </tr> <tr> <td style="text-align: right;">16.02</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:14</td> </tr> <tr> <td style="text-align: right;">18.39</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:24</td> </tr> <tr> <td style="text-align: right;">21.70</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:36</td> </tr> <tr> <td style="text-align: right;">24.59</td> <td>JN</td> <td>Junction at 9 o'clock, 100mm dia</td> <td style="text-align: right;">00:01:51</td> </tr> <tr> <td style="text-align: right;">29.98</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:02:20</td> </tr> <tr> <td style="text-align: right;">32.64</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:02:37</td> </tr> <tr> <td style="text-align: right;">35.17</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:02:57</td> </tr> <tr> <td style="text-align: right;">38.44</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:19</td> </tr> <tr> <td style="text-align: right;">39.49</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:27</td> </tr> <tr> <td style="text-align: right;">41.12</td> <td>JN</td> <td>Junction at 1 o'clock, 100mm dia</td> <td style="text-align: right;">00:03:40</td> </tr> </table> </div>								0.00	MH	Start node, manhole, reference: F2	00:00:00	0.00	WL	Water level, 5% of the vertical dimension	00:00:05	0.24	LR	Line deviates right	00:00:08	13.84	JN	Junction at 1 o'clock, 100mm dia	00:01:01	15.02	JN	Junction at 1 o'clock, 100mm dia	00:01:09	16.02	JN	Junction at 1 o'clock, 100mm dia	00:01:14	18.39	JN	Junction at 1 o'clock, 100mm dia	00:01:24	21.70	JN	Junction at 1 o'clock, 100mm dia	00:01:36	24.59	JN	Junction at 9 o'clock, 100mm dia	00:01:51	29.98	JN	Junction at 1 o'clock, 100mm dia	00:02:20	32.64	JN	Junction at 1 o'clock, 100mm dia	00:02:37	35.17	JN	Junction at 1 o'clock, 100mm dia	00:02:57	38.44	JN	Junction at 1 o'clock, 100mm dia	00:03:19	39.49	JN	Junction at 1 o'clock, 100mm dia	00:03:27	41.12	JN	Junction at 1 o'clock, 100mm dia	00:03:40
0.00	MH	Start node, manhole, reference: F2	00:00:00																																																																
0.00	WL	Water level, 5% of the vertical dimension	00:00:05																																																																
0.24	LR	Line deviates right	00:00:08																																																																
13.84	JN	Junction at 1 o'clock, 100mm dia	00:01:01																																																																
15.02	JN	Junction at 1 o'clock, 100mm dia	00:01:09																																																																
16.02	JN	Junction at 1 o'clock, 100mm dia	00:01:14																																																																
18.39	JN	Junction at 1 o'clock, 100mm dia	00:01:24																																																																
21.70	JN	Junction at 1 o'clock, 100mm dia	00:01:36																																																																
24.59	JN	Junction at 9 o'clock, 100mm dia	00:01:51																																																																
29.98	JN	Junction at 1 o'clock, 100mm dia	00:02:20																																																																
32.64	JN	Junction at 1 o'clock, 100mm dia	00:02:37																																																																
35.17	JN	Junction at 1 o'clock, 100mm dia	00:02:57																																																																
38.44	JN	Junction at 1 o'clock, 100mm dia	00:03:19																																																																
39.49	JN	Junction at 1 o'clock, 100mm dia	00:03:27																																																																
41.12	JN	Junction at 1 o'clock, 100mm dia	00:03:40																																																																

**Section Inspection - 29/08/2023 - F2X**

<b>Item No.</b> 29	<b>Insp. No.</b> 1	<b>Date:</b> 29/08/23	<b>Time:</b> 16:39	<b>Client's Job Ref</b> Not Specified	<b>Weather</b> No Rain Or Snow	<b>Pre Cleaned</b> Yes	<b>PLR</b> F2X
<b>Operator</b> Lyndsay Smith		<b>Vehicle</b> DV63 XXL		<b>Camera</b> Push	<b>Preset Length</b> Not Specified	<b>Legal Status</b> Not Specified	<b>Alternative ID</b> Not Specified

Scale:	1:383	Position [m]	Code	Observation	MPEG	Photo	Grade
	47.16	JN	Junction at 1 o'clock, 100mm dia	00:04:14			
	48.31	JN	Junction at 1 o'clock, 100mm dia	00:04:36			
	52.06	JN	Junction at 1 o'clock, 100mm dia	00:05:06			
	52.07	SA	Survey abandoned: UNABLE TO PUSH PASSED THIS POINT SEE OVERLAP SURVEY	00:05:09			

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

**Section Inspection - 29/08/2023 - F2X**

Item No. 30	Insp. No. 1	Date: 29/08/23	Time: 15:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F2X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: F2
Road: Auckland Drive	Inspected Length: 30.09 m	Upstream Pipe Depth: 3.380 m
Location: Auckland Drive	Total Length: 30.10 m	Downstream Node: F3
Surface Type: Asphalt	Joint Length: 0.00 m	Downstream Pipe Depth: 3.380 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:

Scale: 1:261	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: F3	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:07		
	0.59	SC	Pipe size changes, new size(s), 100mm high	00:00:13		
	20.45	JN	Junction at 11 o'clock, 100mm dia	00:01:24		
	26.33	JN	Junction at 11 o'clock, 100mm dia	00:01:49		
	30.08	JN	Junction at 11 o'clock, 100mm dia	00:02:05		
	30.09	SA	Survey abandoned: OVERLAP SURVEY COMPLETE	00:00:00		
	30.10		End of pipe			

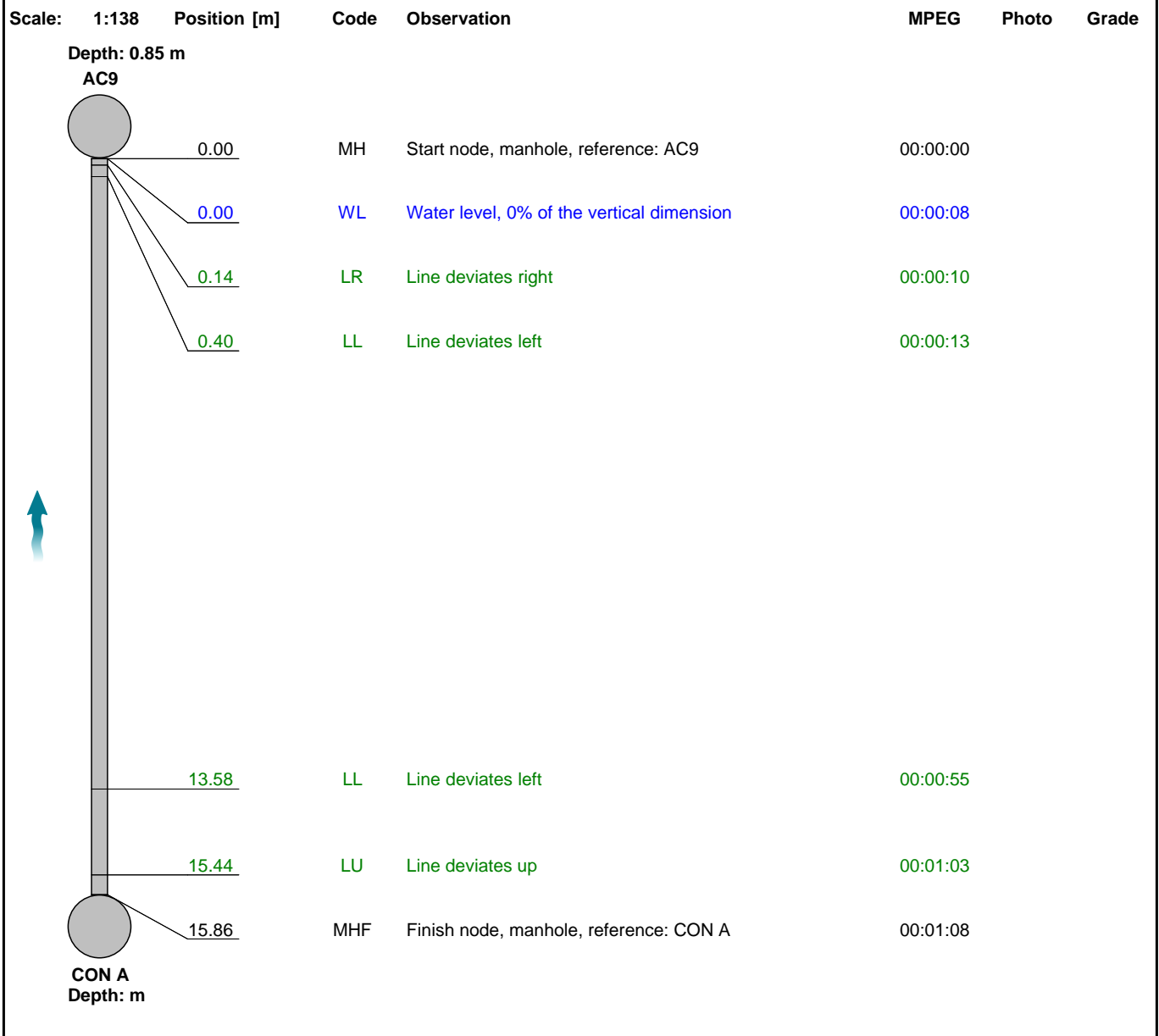
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON AX

Item No. 31	Insp. No. 1	Date: 29/08/23	Time: 16:04	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	15.86 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	15.86 m	<b>Downstream Node:</b>	AC9
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



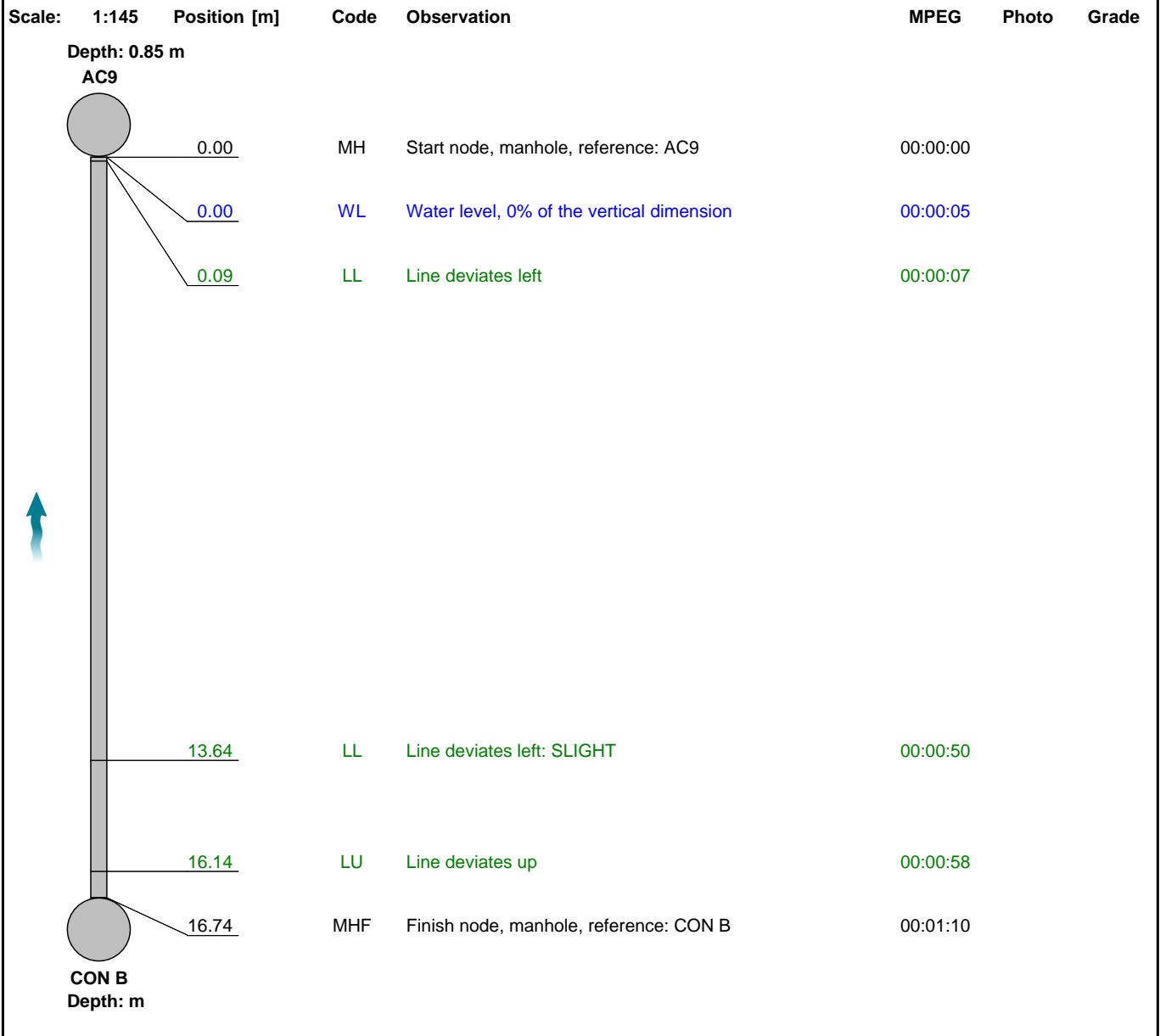
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - CON BX**

Item No. 32	Insp. No. 1	Date: 29/08/23	Time: 16:04	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	16.74 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	16.74 m	<b>Downstream Node:</b>	AC9
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



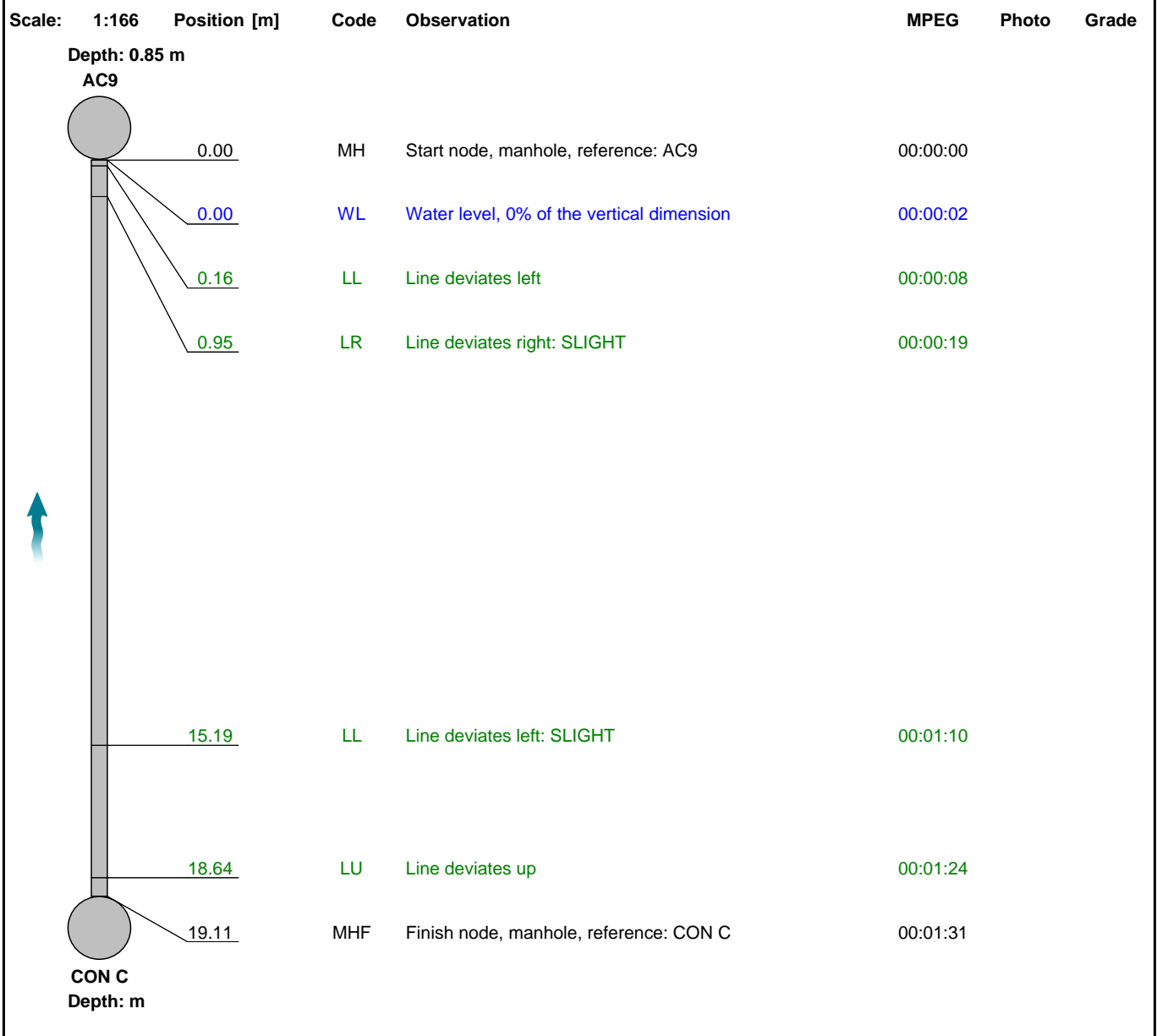
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON CX

Item No. 33	Insp. No. 1	Date: 29/08/23	Time: 16:04	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON C
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	19.11 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	19.11 m	<b>Downstream Node:</b>	AC9
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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



### Section Inspection - 29/08/2023 - AC9X

Item No. 34	Insp. No. 1	Date: 29/08/23	Time: 16:04	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC9X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC9
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.60 m	<b>Upstream Pipe Depth:</b>	0.850 m
<b>Location:</b>		<b>Total Length:</b>	1.60 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: AC9		00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension		00:00:06		
	0.04	LD	Line deviates down		00:00:09		
	1.11	LD	Line deviates down		00:00:17		
	1.60	MHF	Finish node, manhole, reference: NODE		00:00:00		

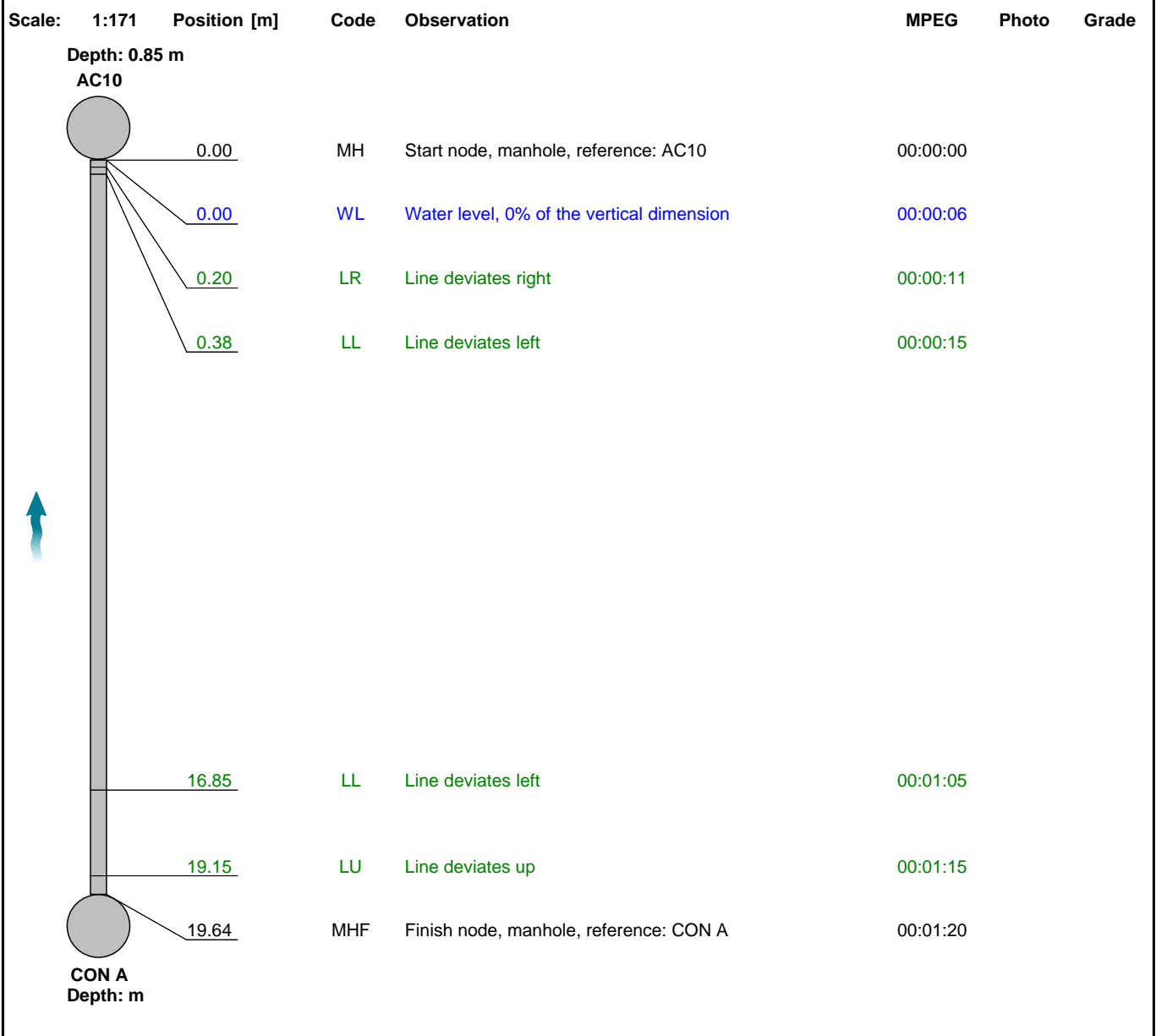
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON AX

Item No. 35	Insp. No. 1	Date: 29/08/23	Time: 16:04	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	19.64 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	19.64 m	<b>Downstream Node:</b>	AC10
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



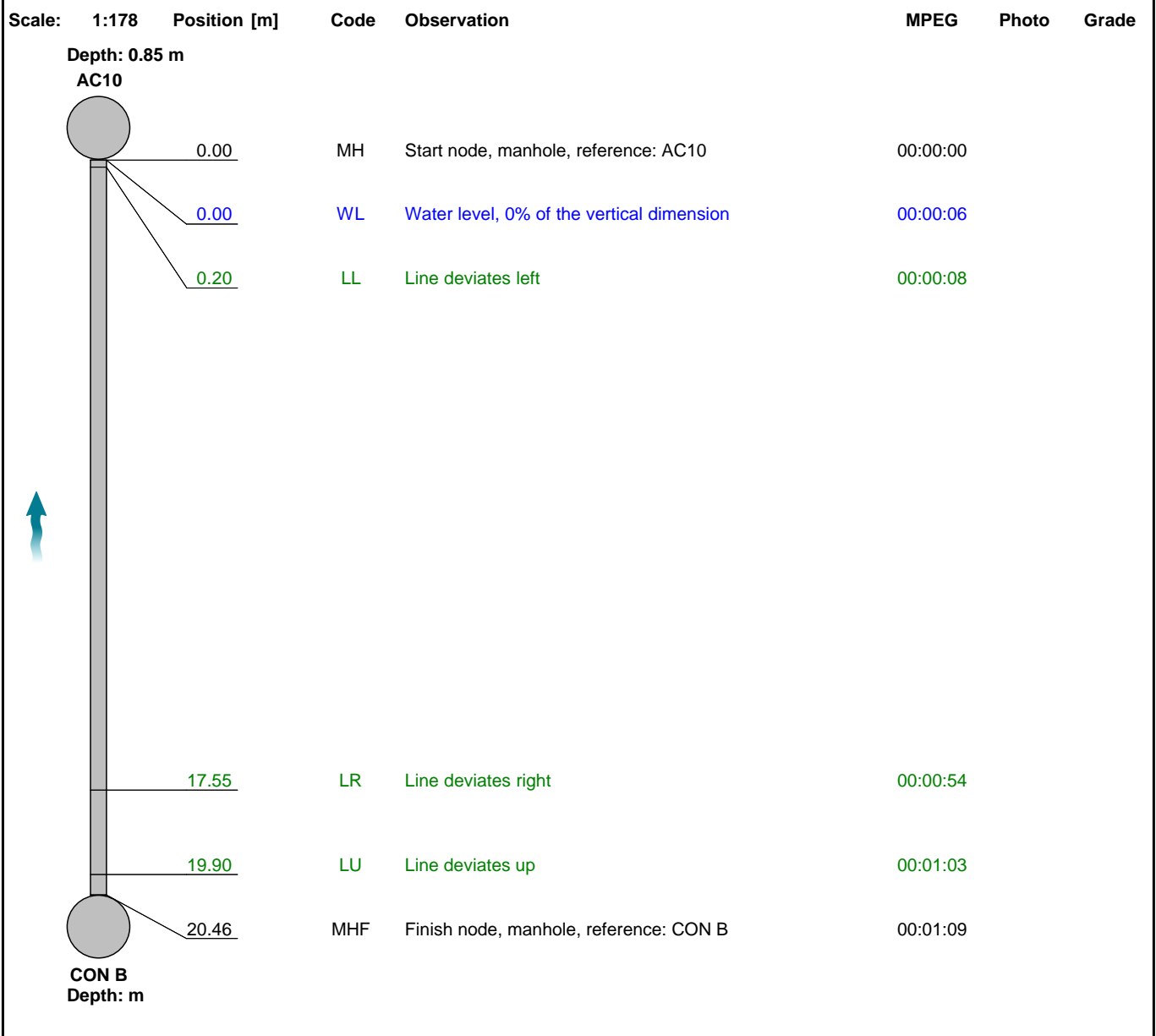
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON BX

Item No. 36	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	20.46 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	20.46 m	<b>Downstream Node:</b>	AC10
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.850 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



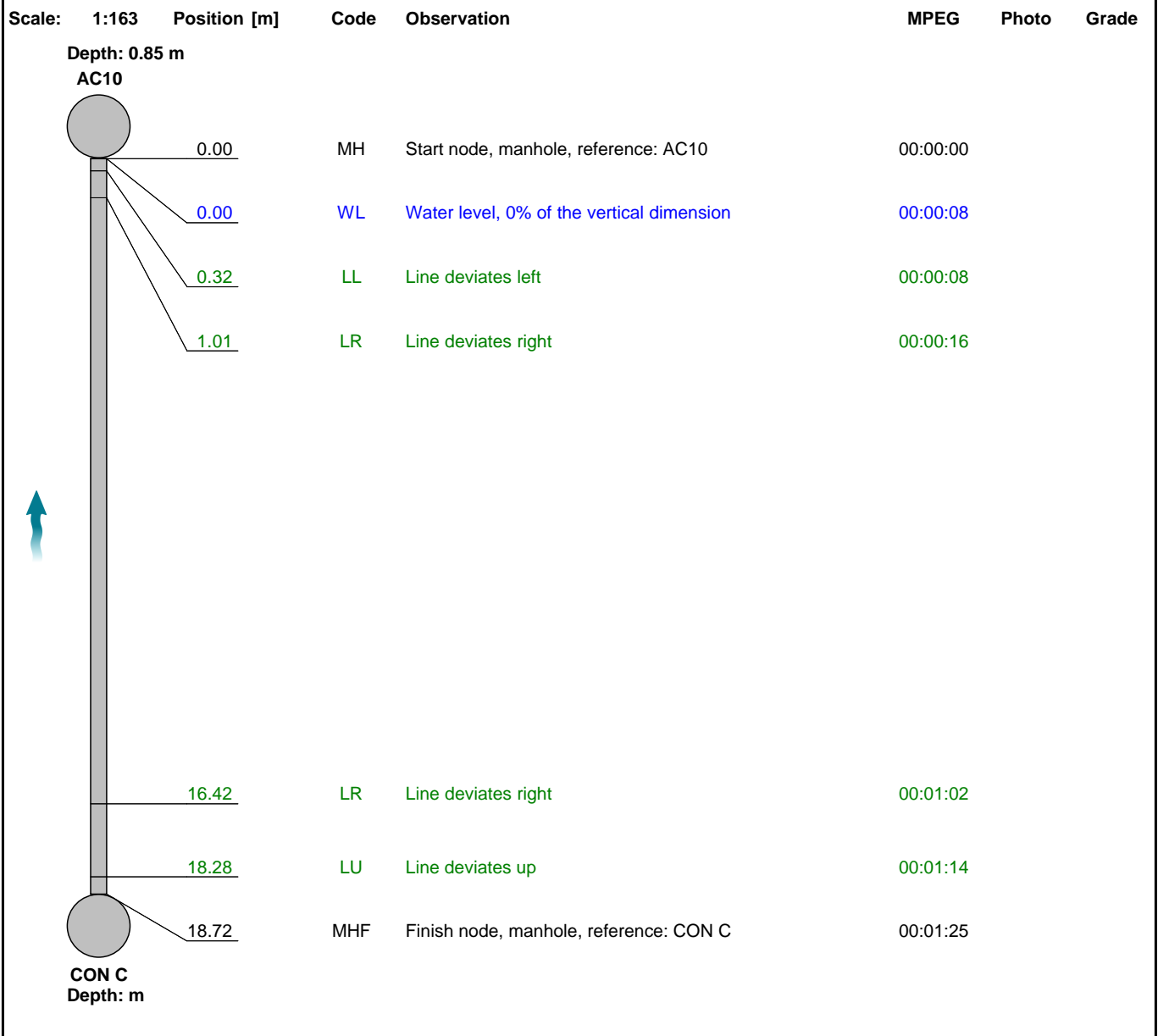
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - CON CX**

Item No. 37	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON C
Road: Auckland Drive	Inspected Length: 18.72 m	Upstream Pipe Depth:
Location:	Total Length: 18.72 m	Downstream Node: AC10
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.850 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:



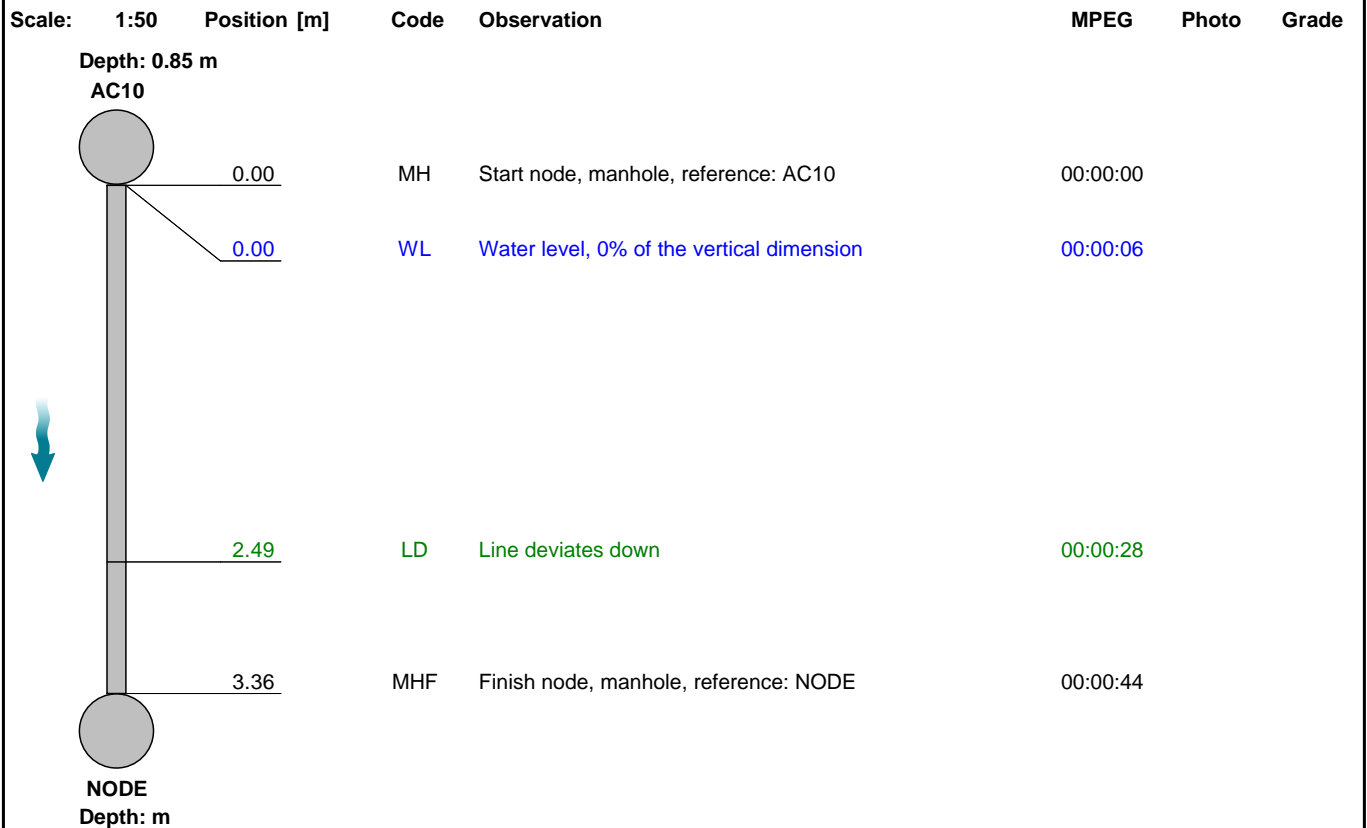
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - AC10X**

Item No. 38	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC10X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC10
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.36 m	<b>Upstream Pipe Depth:</b>	0.850 m
<b>Location:</b>		<b>Total Length:</b>	3.36 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



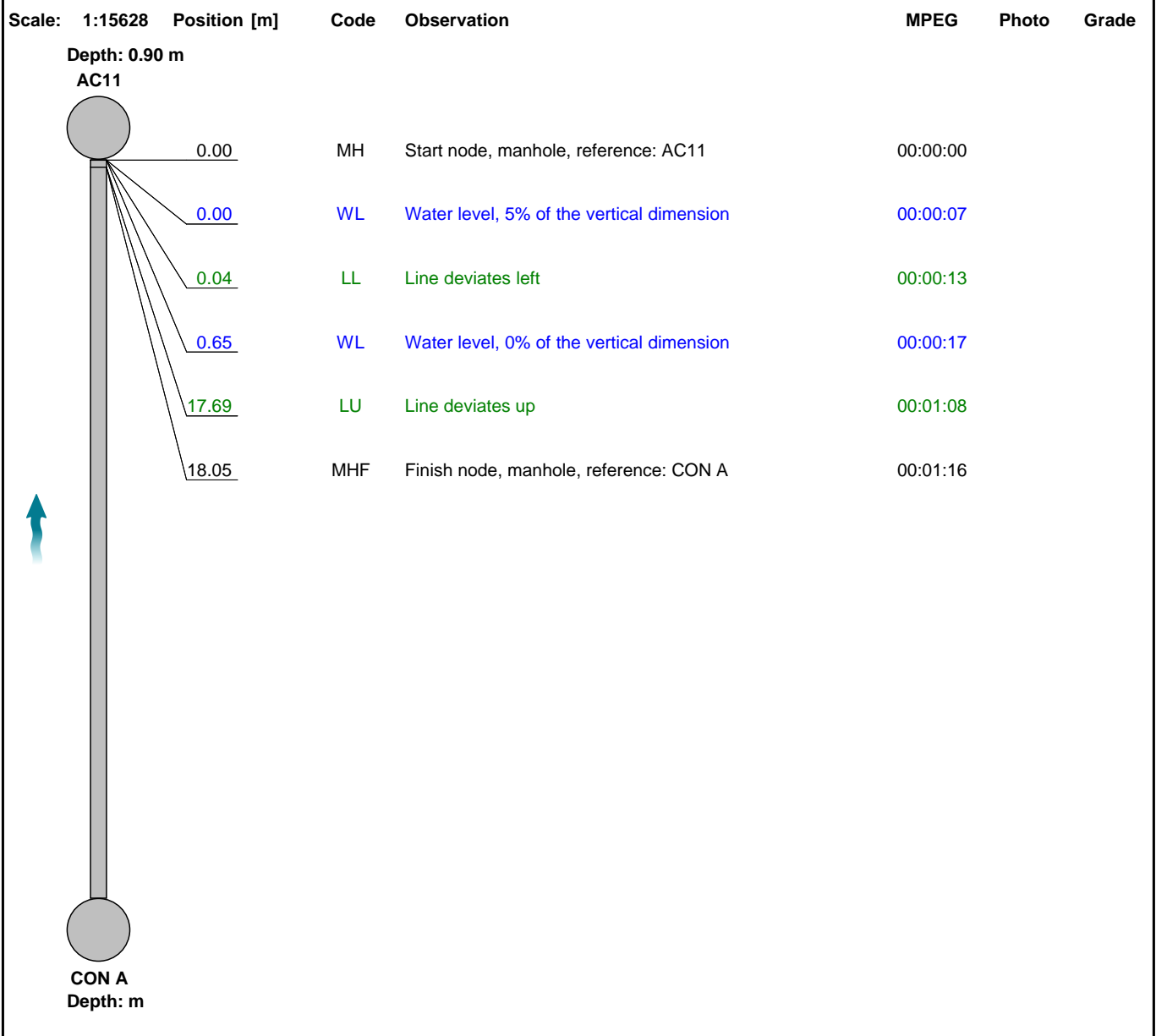
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON AX

Item No. 39	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	18.05 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	1,805.00 m	<b>Downstream Node:</b>	AC11
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.900 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



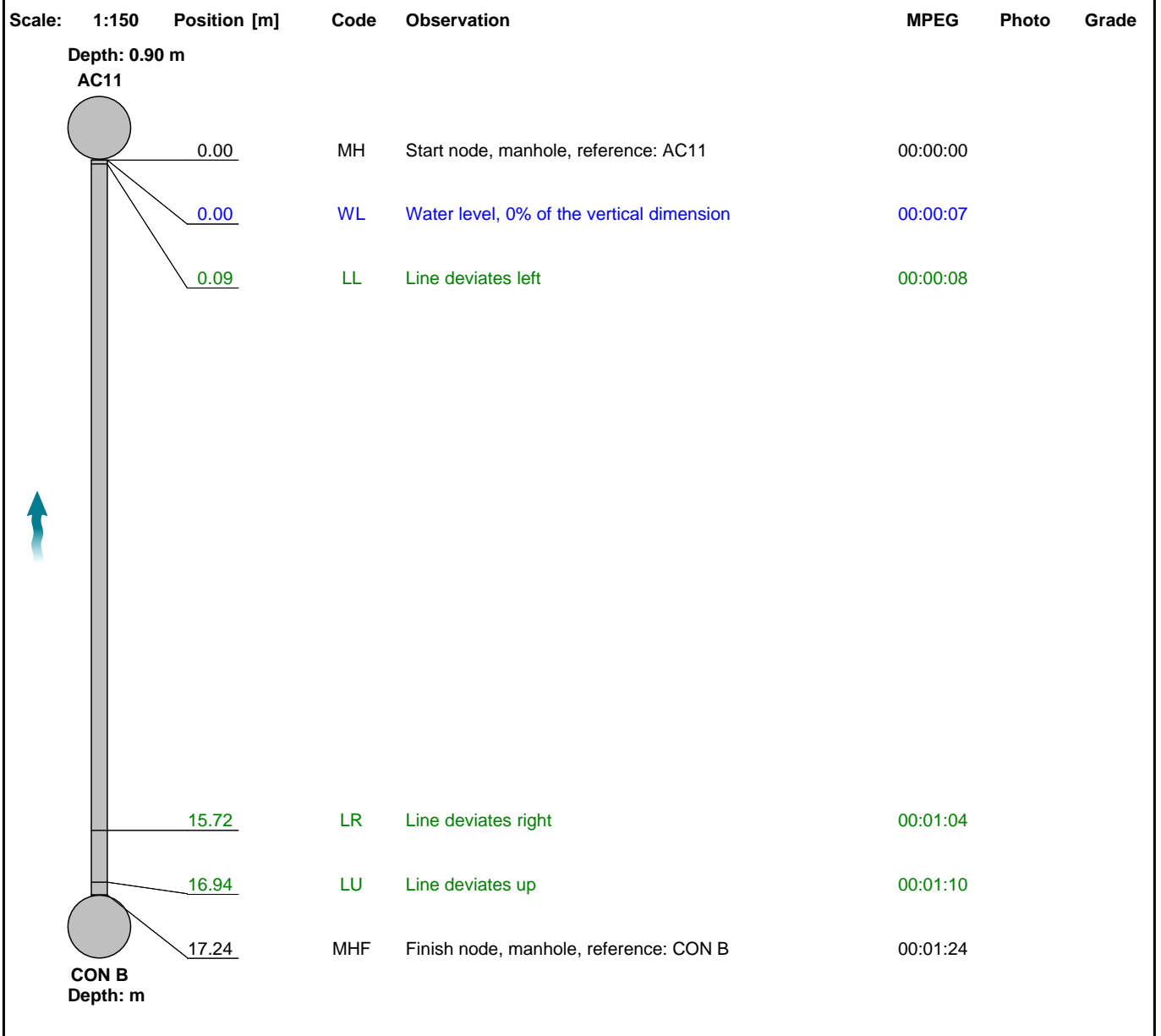
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - CON BX

Item No. 40	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	17.24 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	17.24 m	<b>Downstream Node:</b>	AC11
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.900 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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



### Section Inspection - 29/08/2023 - AC11X

Item No. 41	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC11X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC11
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.97 m	<b>Upstream Pipe Depth:</b>	0.900 m
<b>Location:</b>		<b>Total Length:</b>	3.97 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



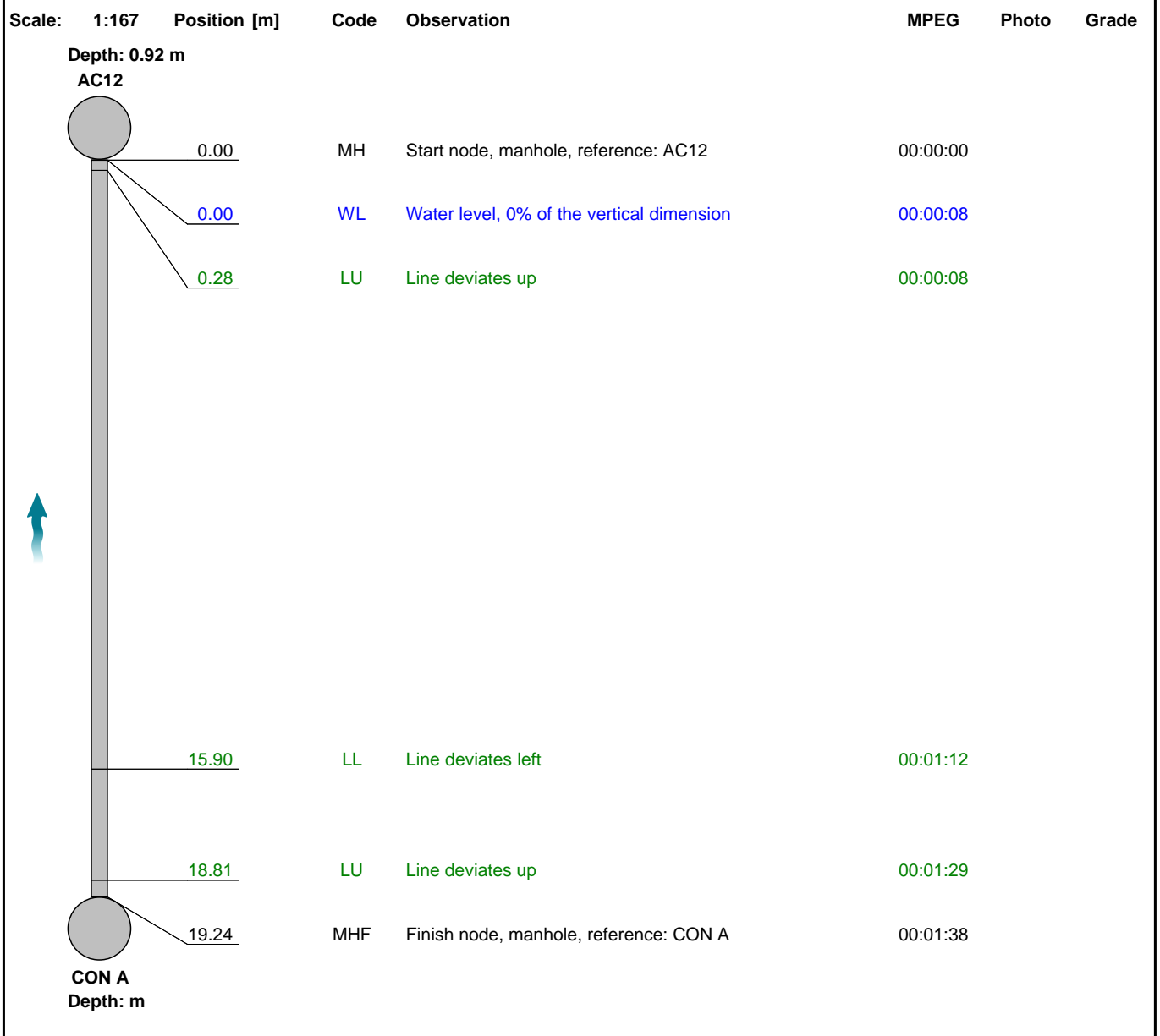
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 29/08/2023 - CON AX

Item No. 42	Insp. No. 1	Date: 29/08/23	Time: 16:05	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 19.24 m	Upstream Pipe Depth:
Location:	Total Length: 19.24 m	Downstream Node: AC12
Surface Type:	Joint Length:	Downstream Pipe Depth: 0.920 m
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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



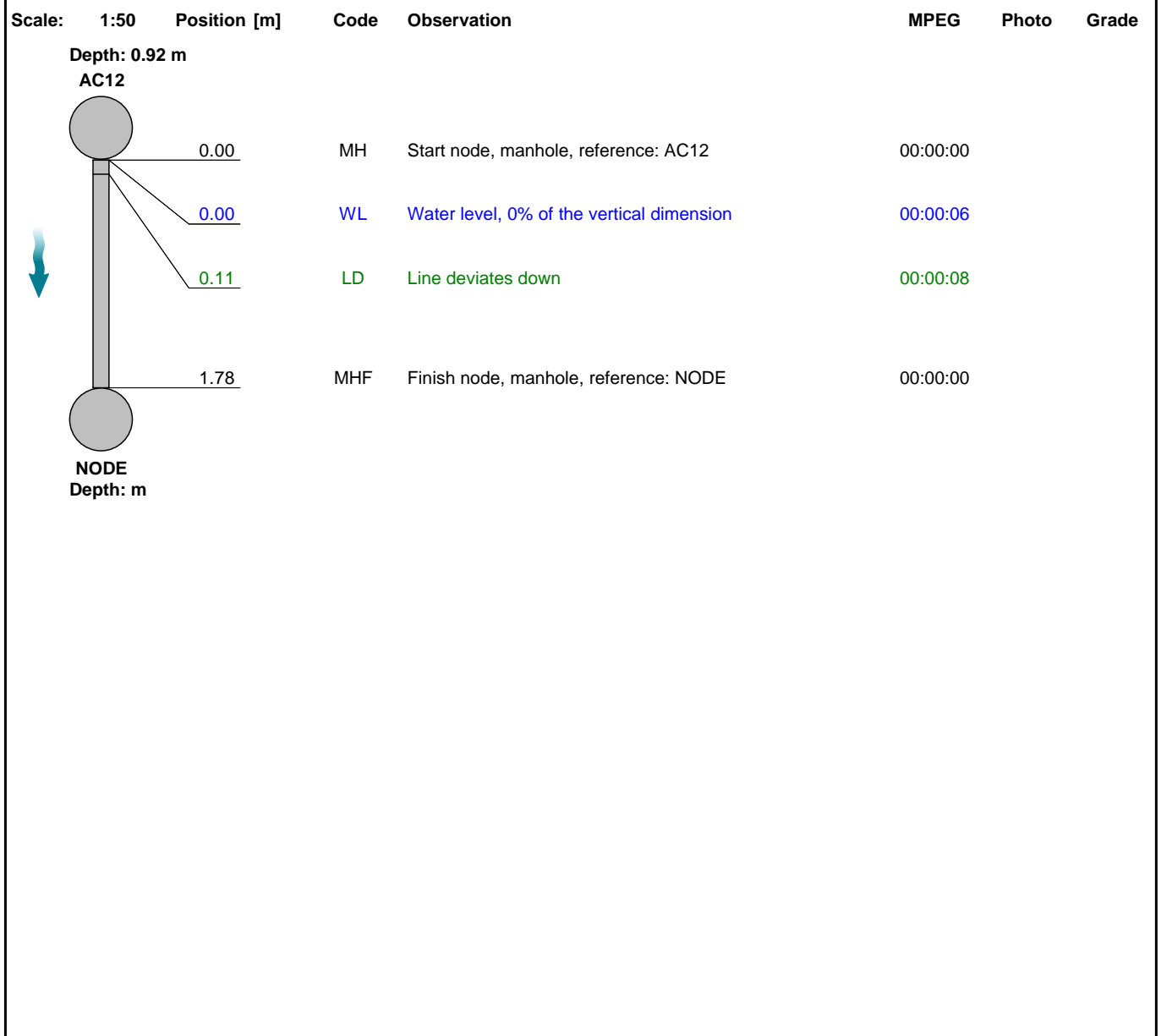
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - AC12X

Item No. 43	Insp. No. 1	Date: 29/08/23	Time: 16:06	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC12X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC12
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.78 m	<b>Upstream Pipe Depth:</b>	0.920 m
<b>Location:</b>		<b>Total Length:</b>	1.78 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	100 mm
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Material:</b>	Polyethylene	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>	No flow control	<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Post completion condition survey				

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



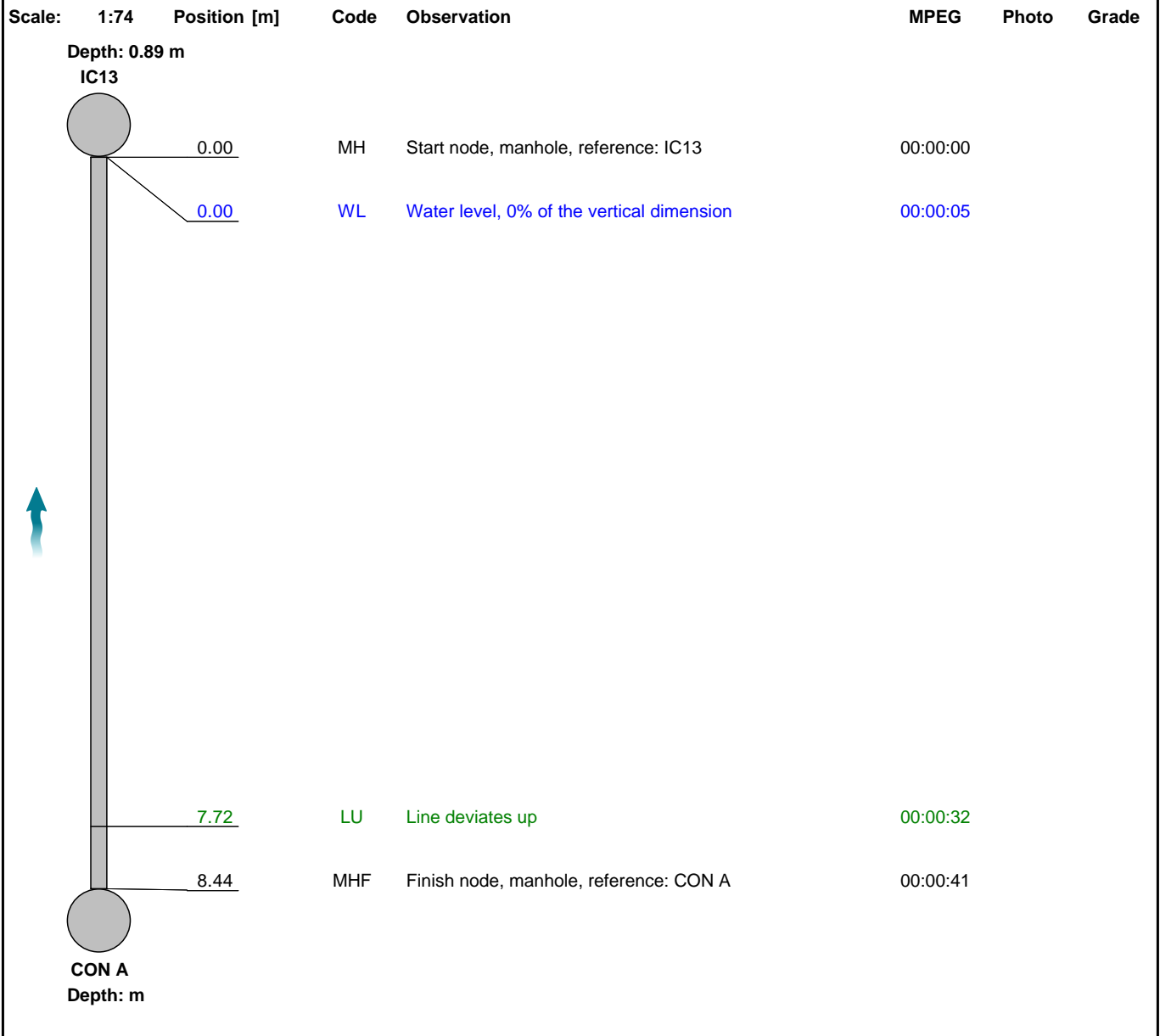
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON AX**

Item No. 44	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	8.44 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	8.44 m	<b>Downstream Node:</b>	IC13
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.890 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



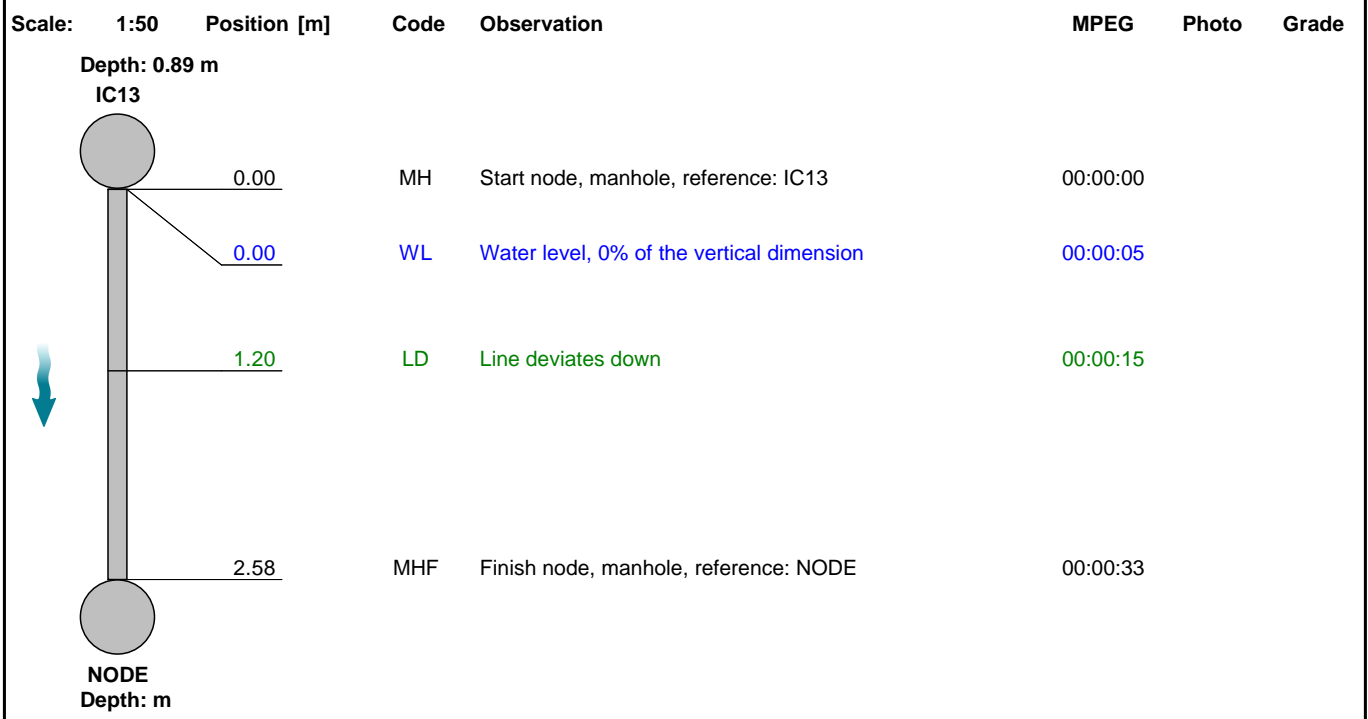
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - IC13X

Item No. 45	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC13X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC13
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.58 m	<b>Upstream Pipe Depth:</b>	0.890 m
<b>Location:</b>		<b>Total Length:</b>	2.58 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



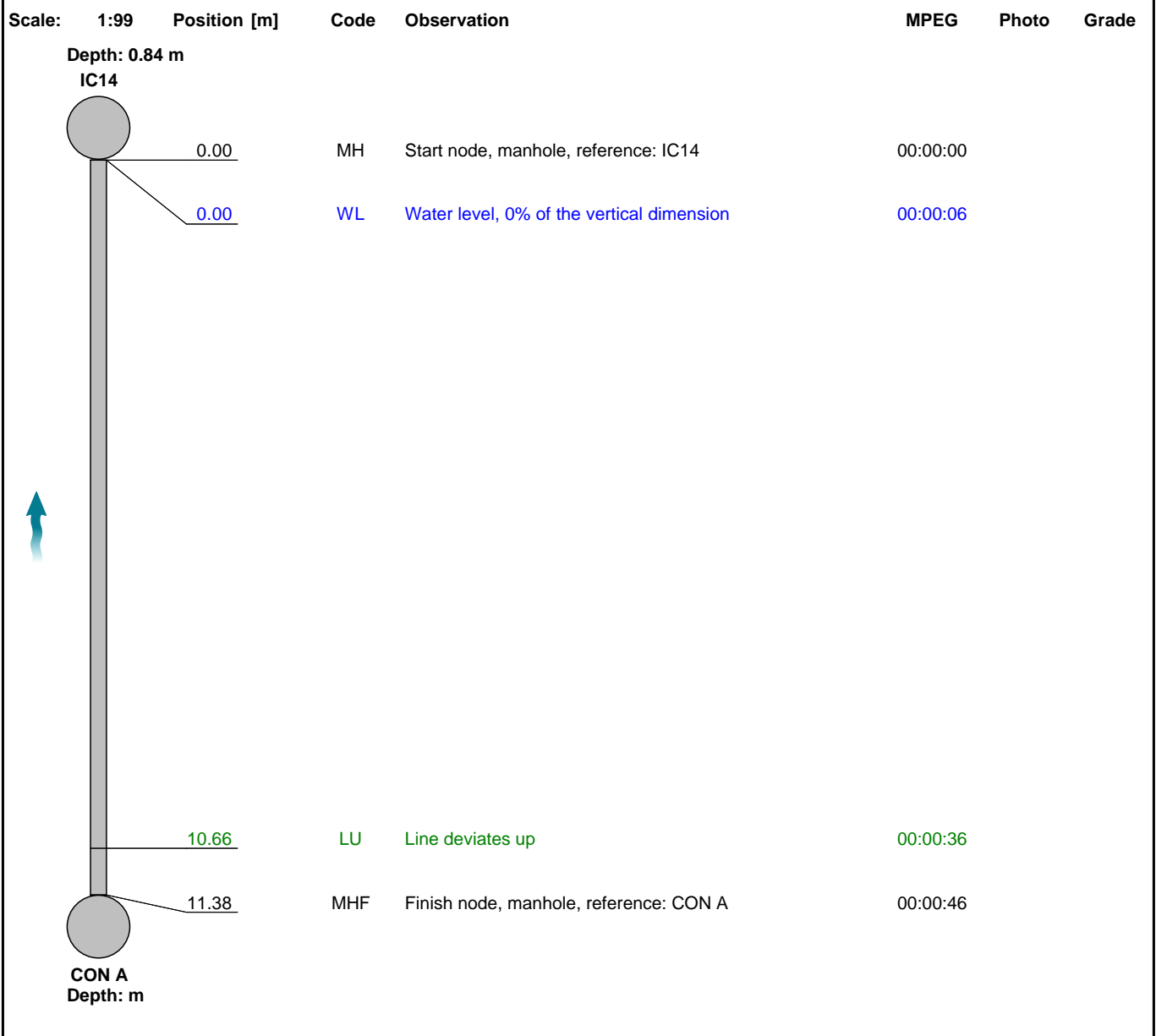
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON AX**

Item No. 46	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	11.38 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	11.38 m	<b>Downstream Node:</b>	IC14
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



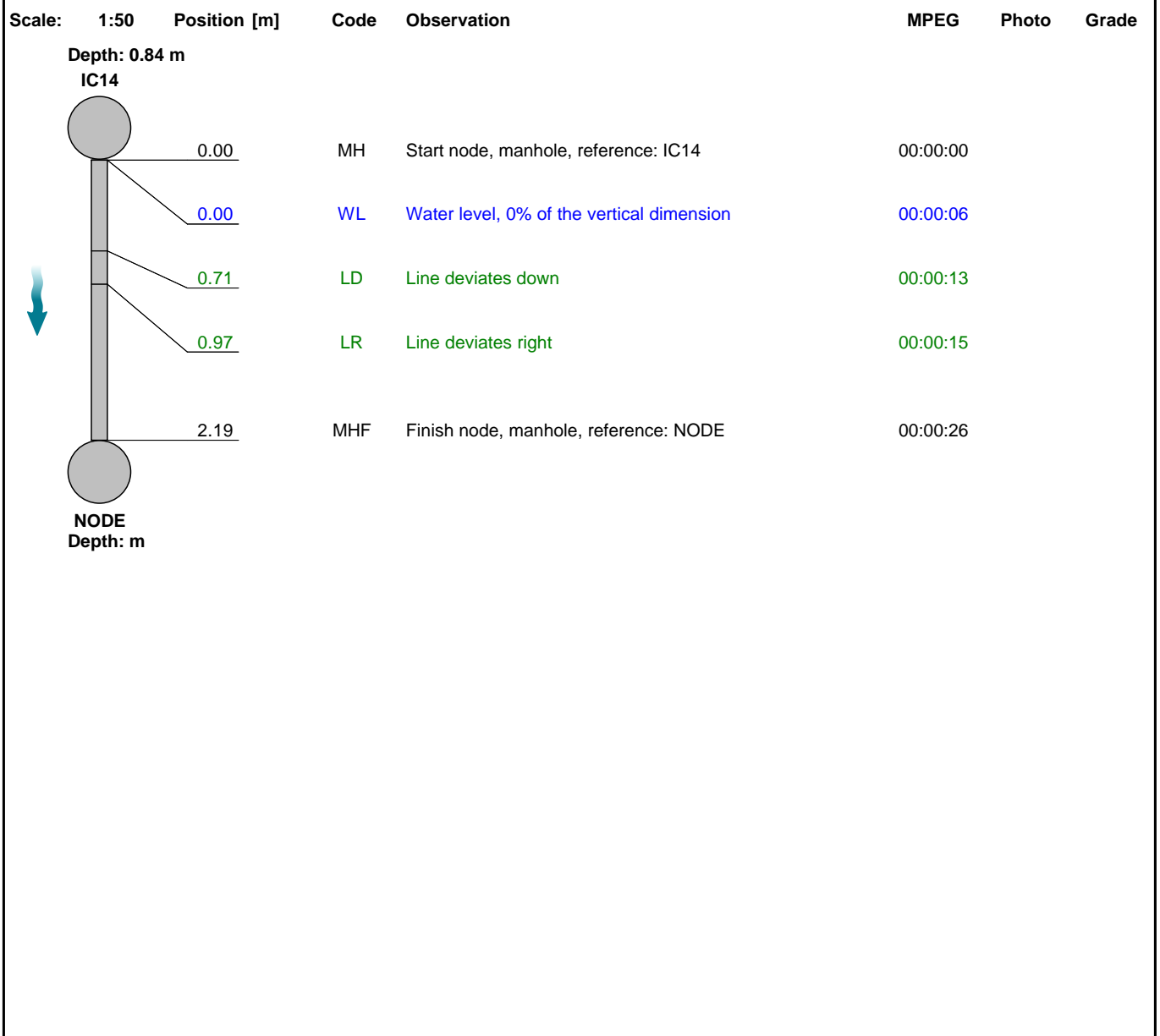
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - IC14X

Item No. 47	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC14X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC14
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.19 m	<b>Upstream Pipe Depth:</b>	0.840 m
<b>Location:</b>		<b>Total Length:</b>	2.19 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



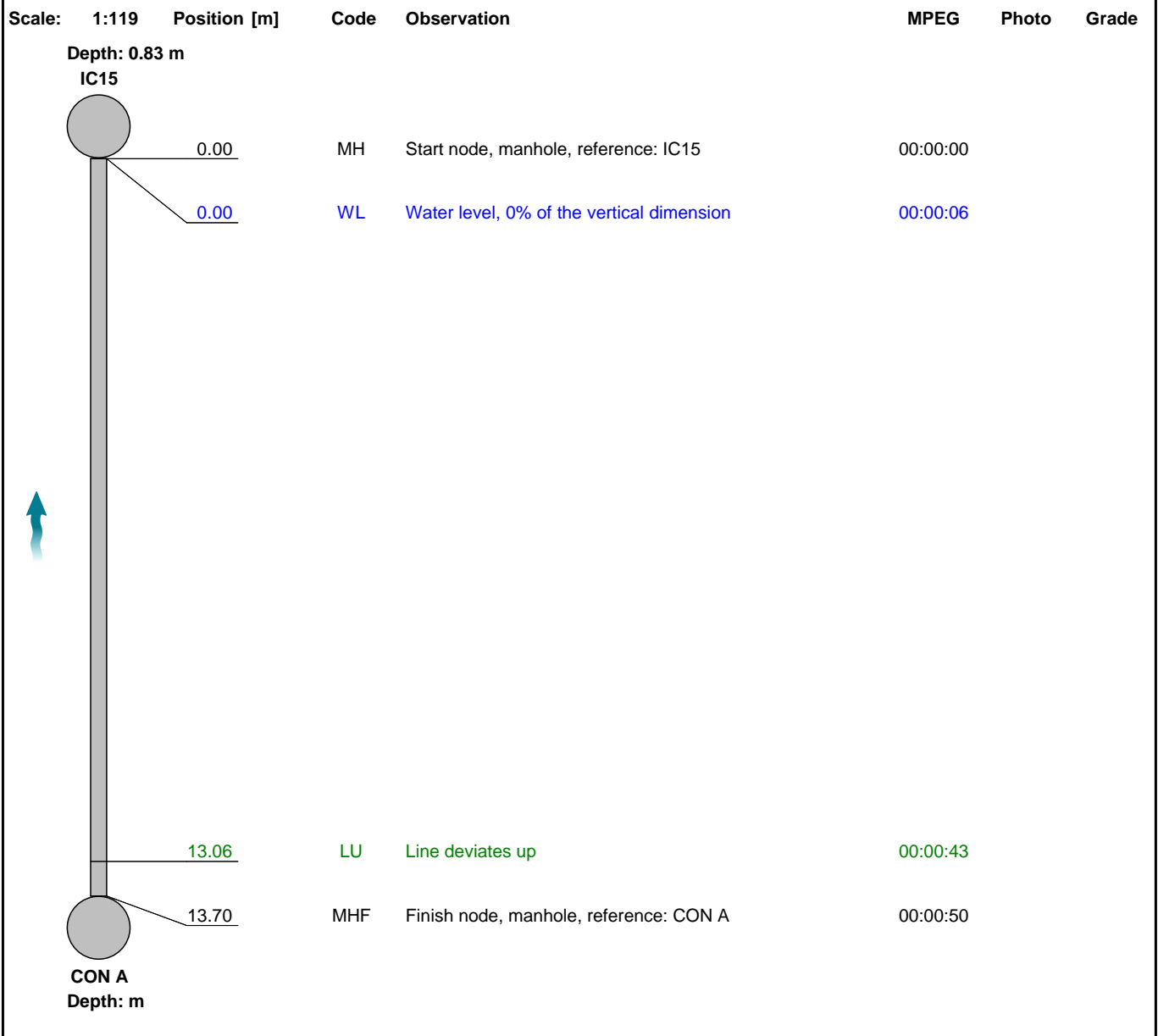
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON AX

Item No. 48	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	13.70 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	13.70 m	<b>Downstream Node:</b>	IC15
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.830 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

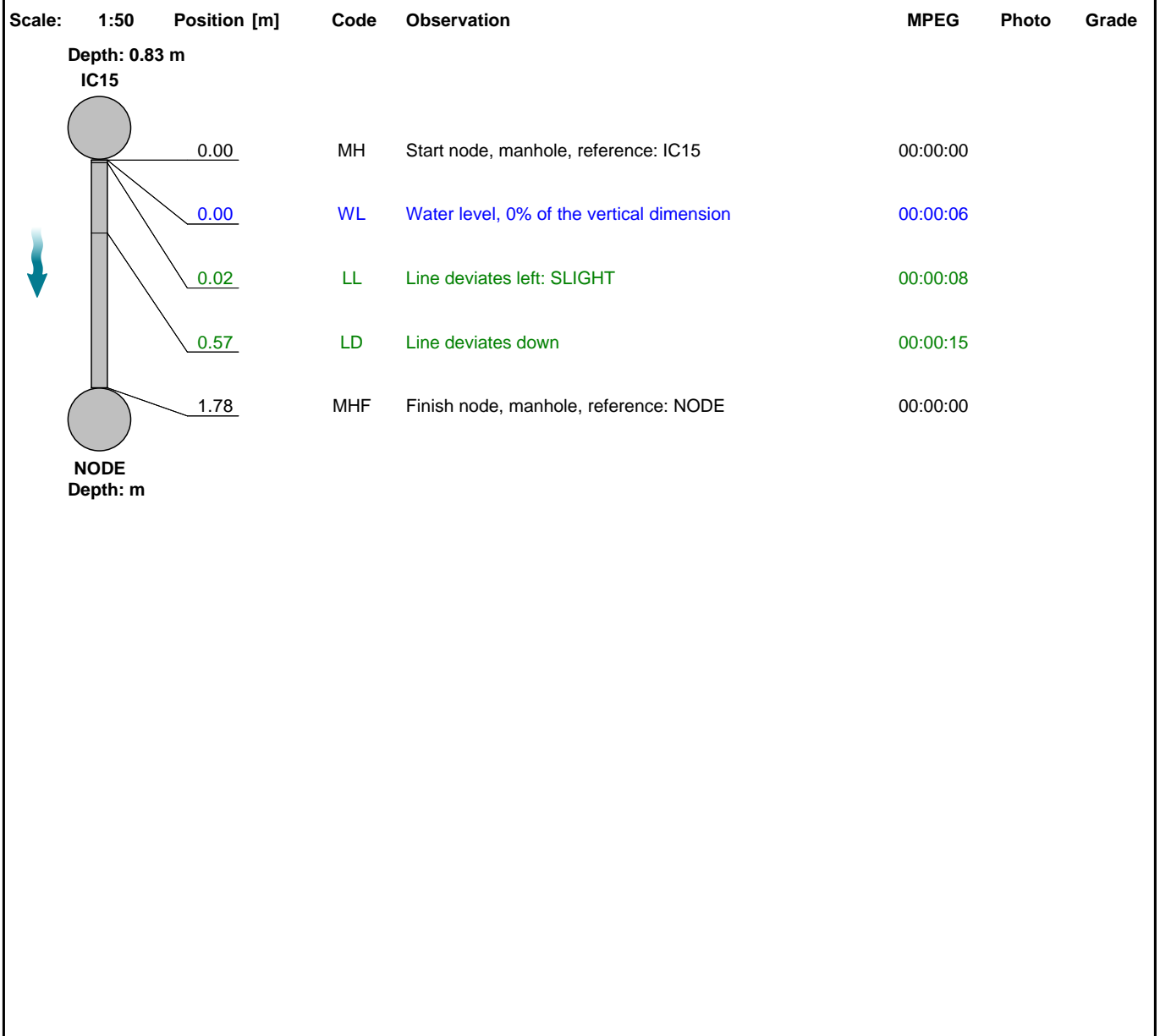


### Section Inspection - 25/08/2023 - IC15X

Item No. 49	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC15X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC15
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.78 m	<b>Upstream Pipe Depth:</b>	0.830 m
<b>Location:</b>		<b>Total Length:</b>	1.78 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



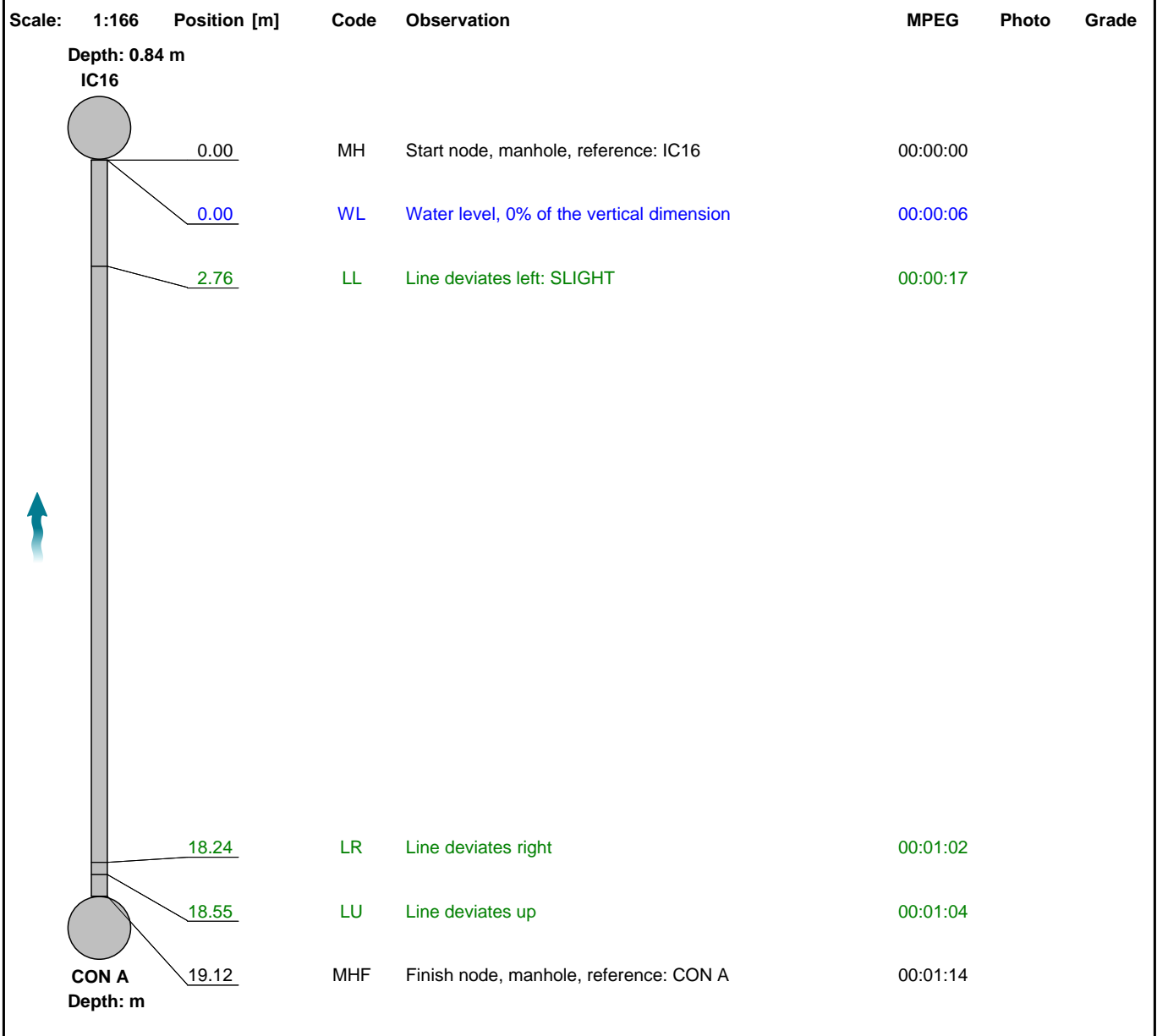
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON AX

Item No. 50	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	19.12 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	19.12 m	<b>Downstream Node:</b>	IC16
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



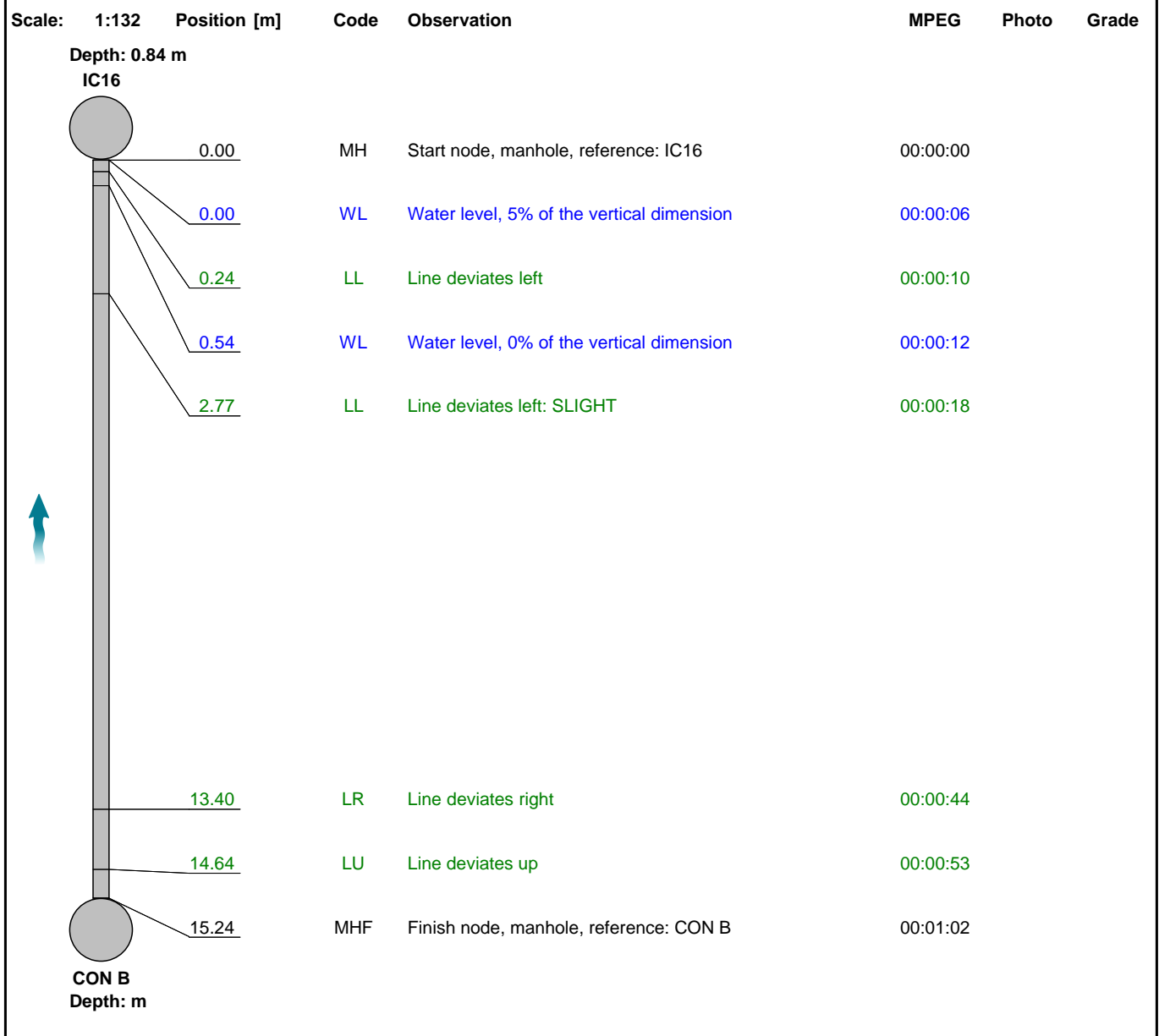
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON BX

Item No. 51	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	15.24 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	15.24 m	<b>Downstream Node:</b>	IC16
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



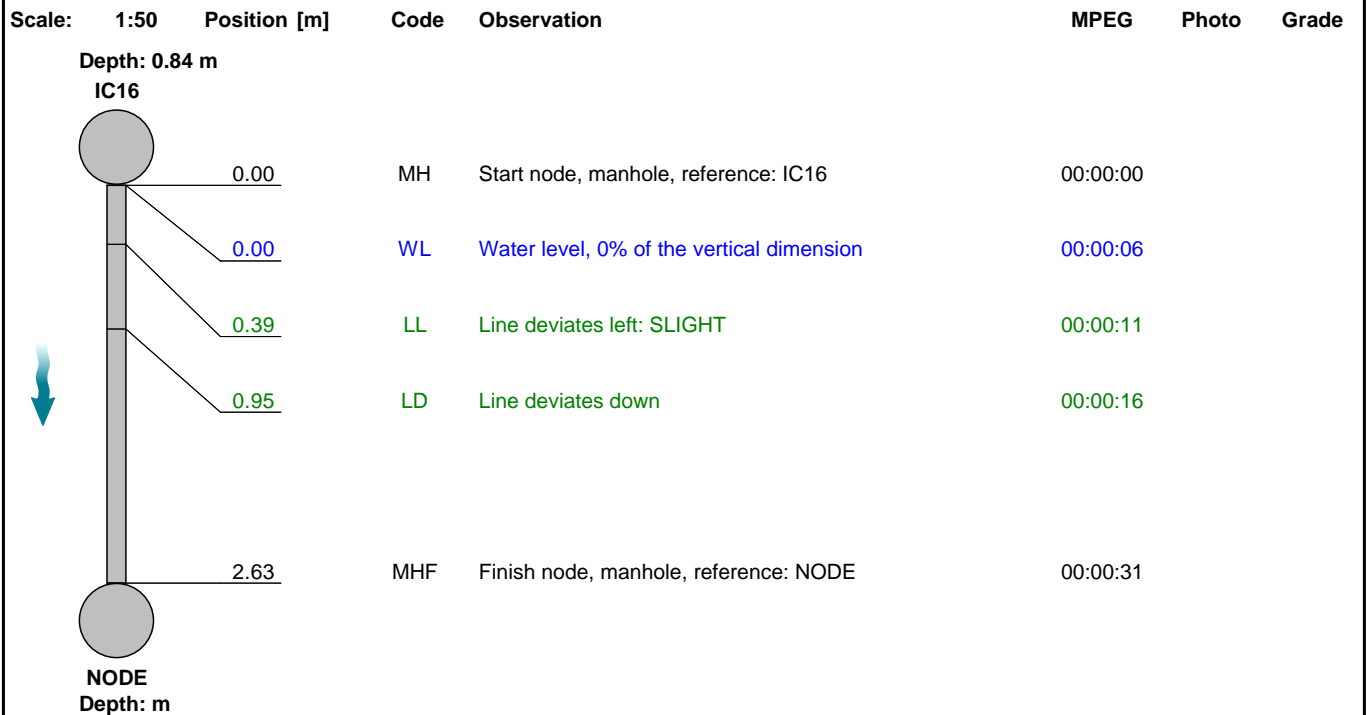
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - IC16X**

Item No. 52	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC16X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC16
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.63 m	<b>Upstream Pipe Depth:</b>	0.840 m
<b>Location:</b>		<b>Total Length:</b>	2.63 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	100 mm
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Material:</b>	Polyethylene	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>	No flow control	<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Post completion condition survey				

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



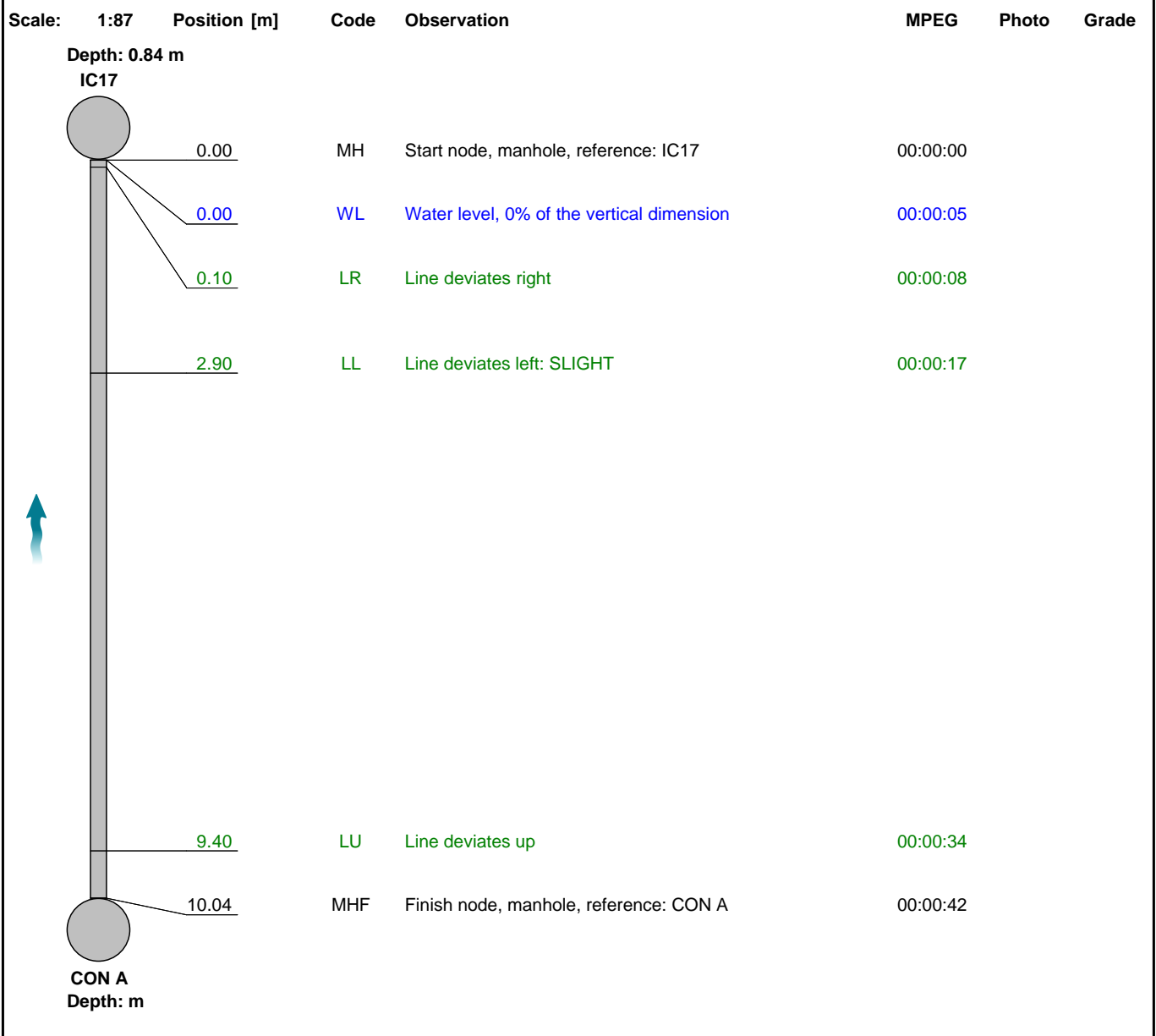
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON AX**

Item No. 53	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	10.04 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	10.04 m	<b>Downstream Node:</b>	IC17
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



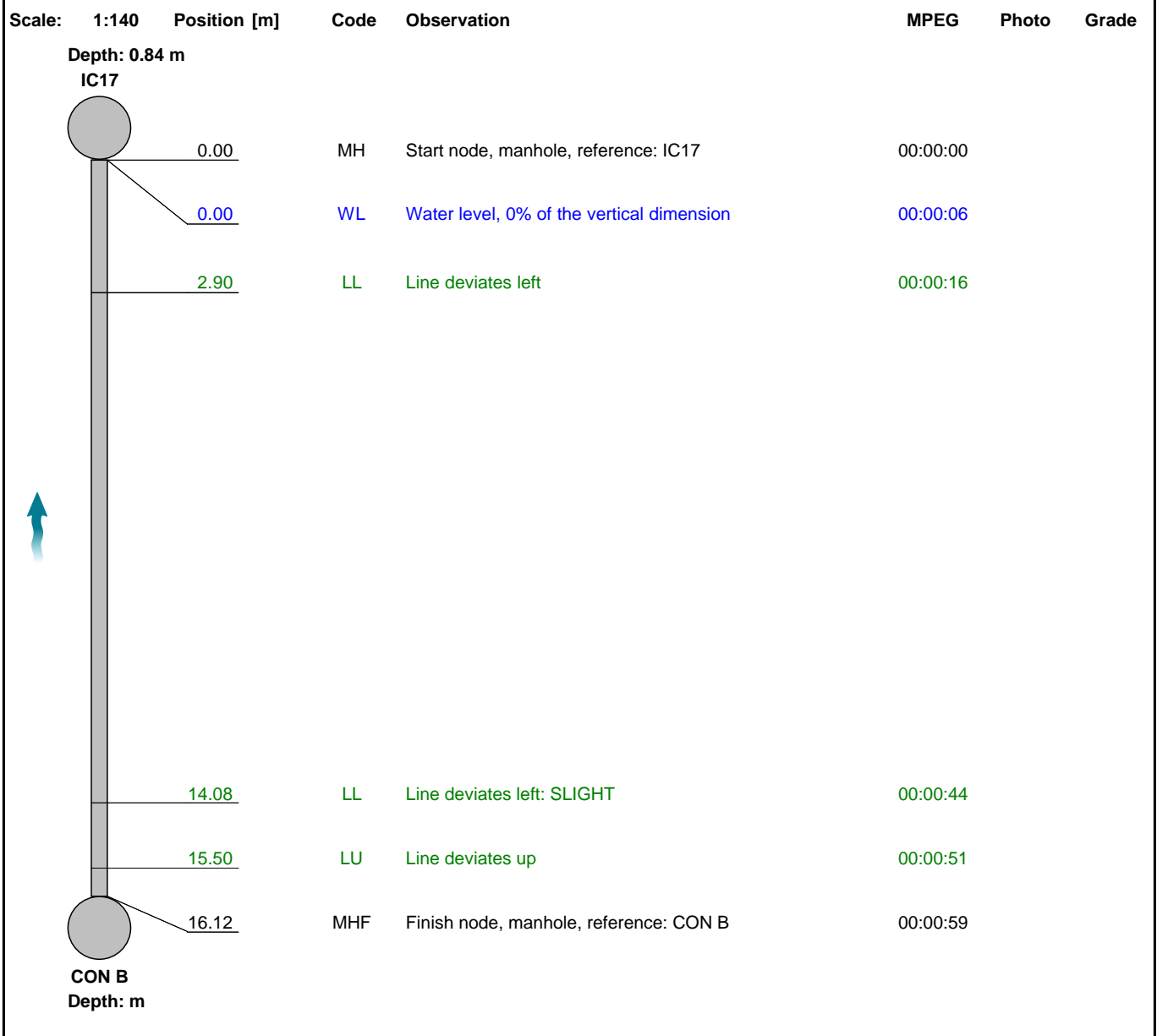
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON BX**

Item No. 54	Insp. No. 1	Date: 25/08/23	Time: 14:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	16.12 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	16.12 m	<b>Downstream Node:</b>	IC17
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



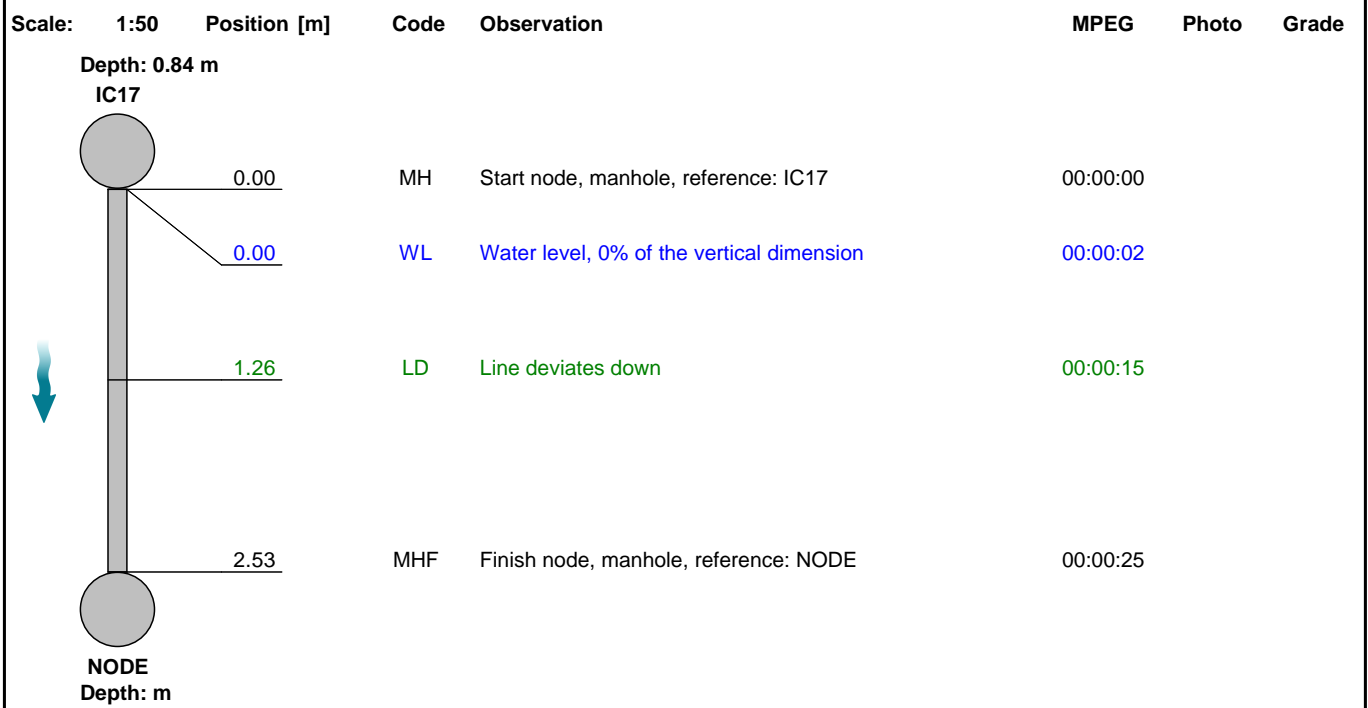
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - IC17X**

Item No. 55	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC17X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: IC17
Road: Auckland Drive	Inspected Length: 2.53 m	Upstream Pipe Depth: 0.840 m
Location:	Total Length: 2.53 m	Downstream Node: NODE
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:



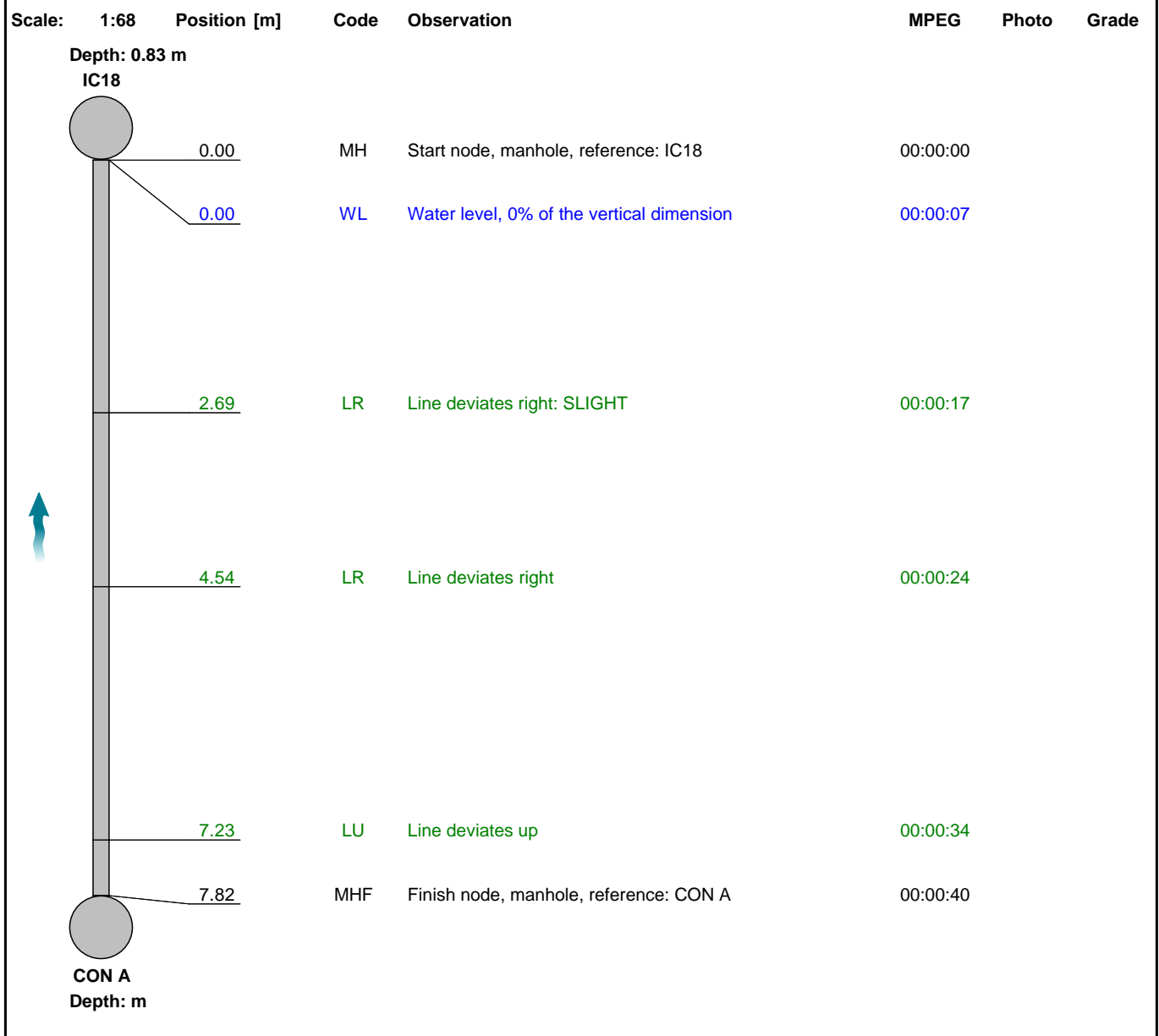
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON AX

Item No. 56	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	7.82 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	7.82 m	<b>Downstream Node:</b>	IC18
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.830 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

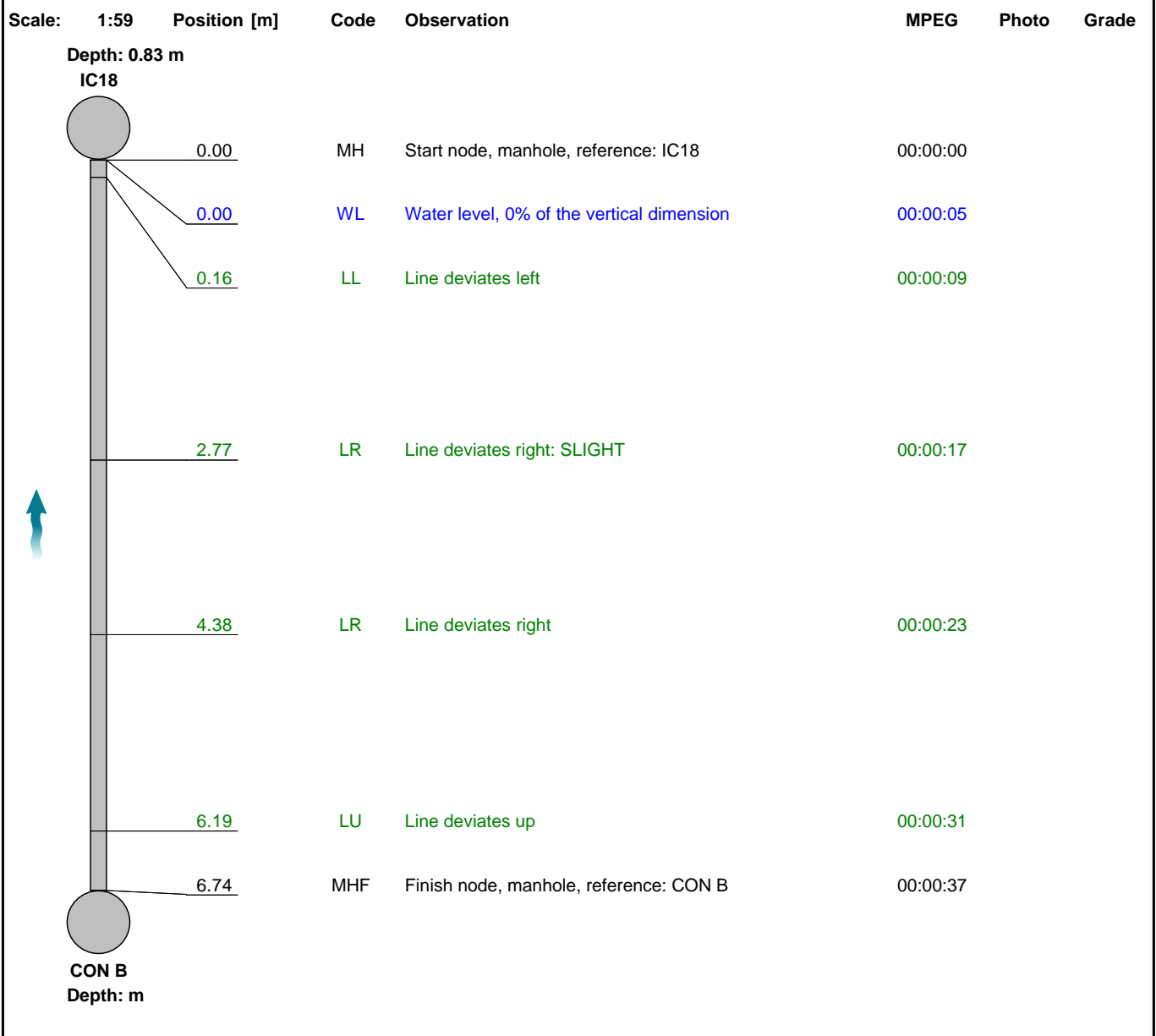


**Section Inspection - 25/08/2023 - CON BX**

Item No. 57	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	6.74 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	6.74 m	<b>Downstream Node:</b>	IC18
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.830 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



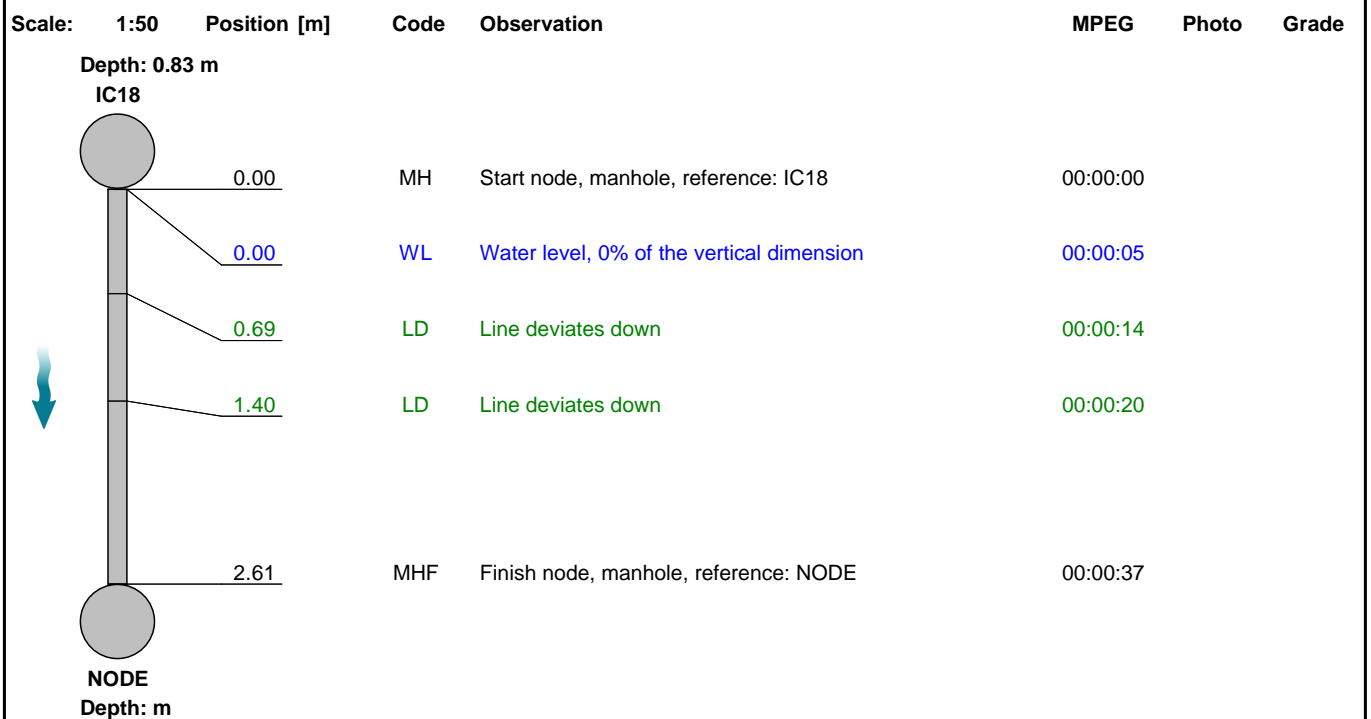
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - IC18X**

Item No. 58	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC18X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC18
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.61 m	<b>Upstream Pipe Depth:</b>	0.830 m
<b>Location:</b>		<b>Total Length:</b>	2.61 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



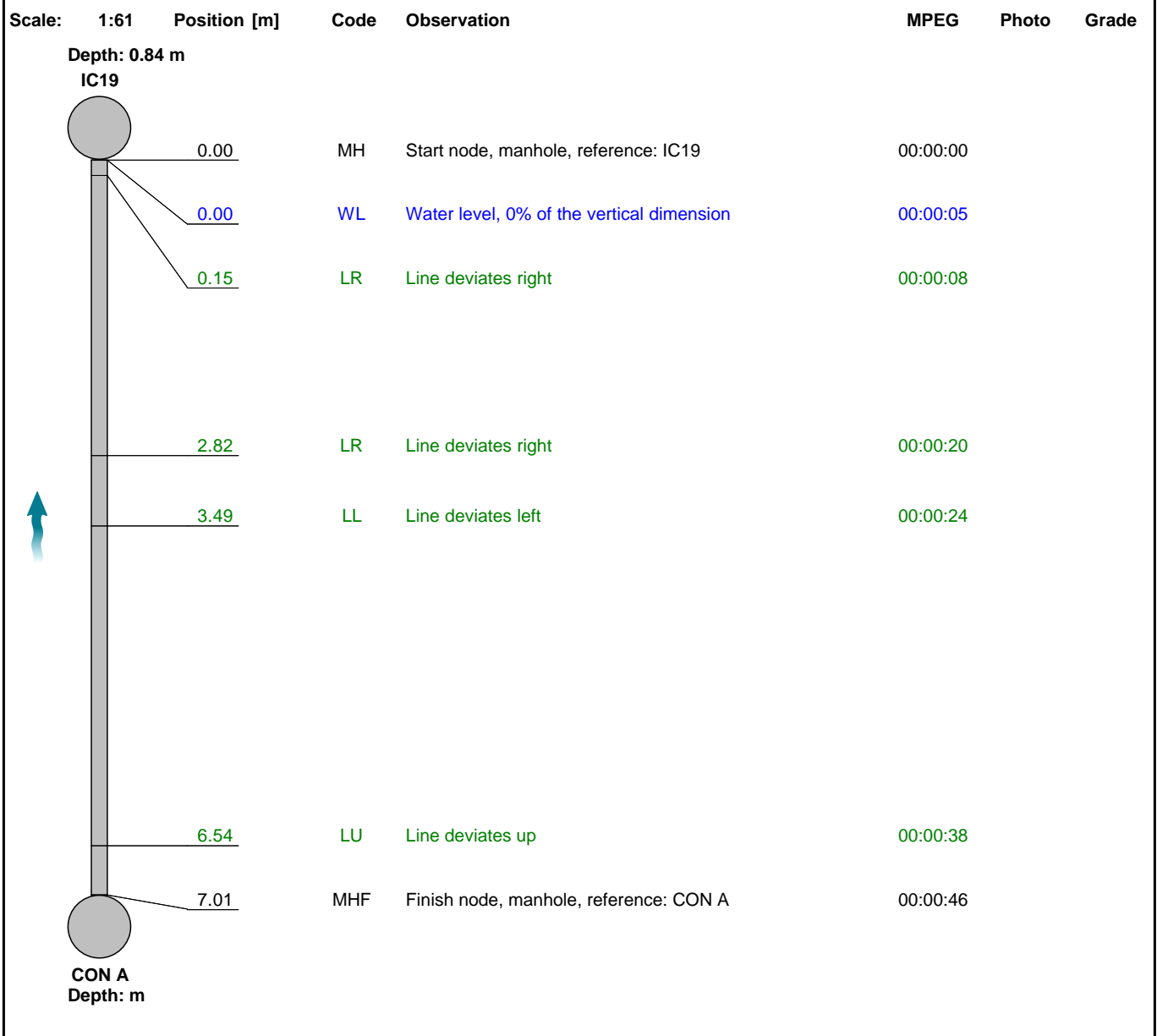
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON AX

Item No. 59	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	7.01 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	7.01 m	<b>Downstream Node:</b>	IC19
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



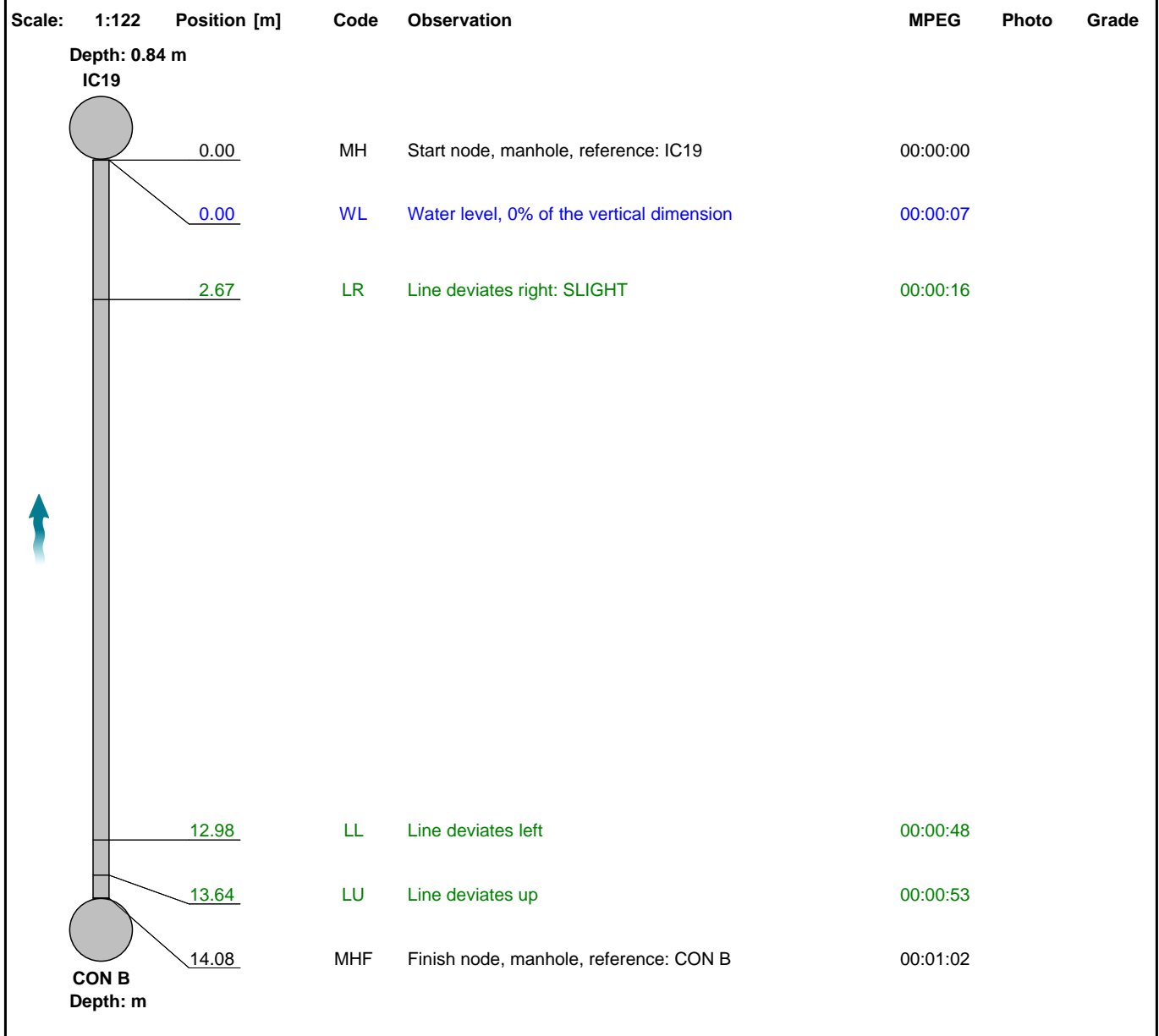
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON BX

Item No. 60	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	14.08 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	14.08 m	<b>Downstream Node:</b>	IC19
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



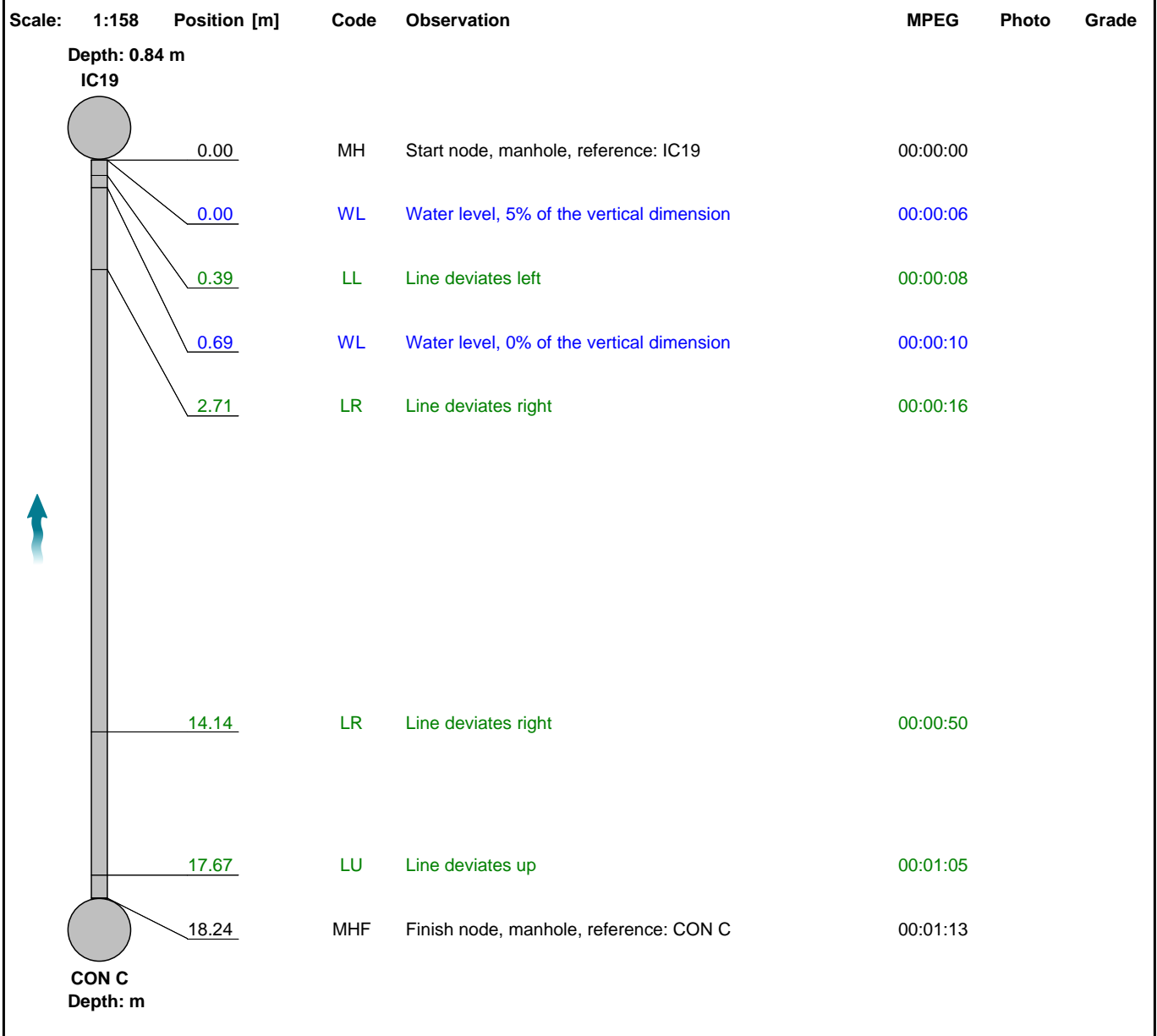
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON CX**

Item No. 61	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON CX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON C
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	18.24 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	18.24 m	<b>Downstream Node:</b>	IC19
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



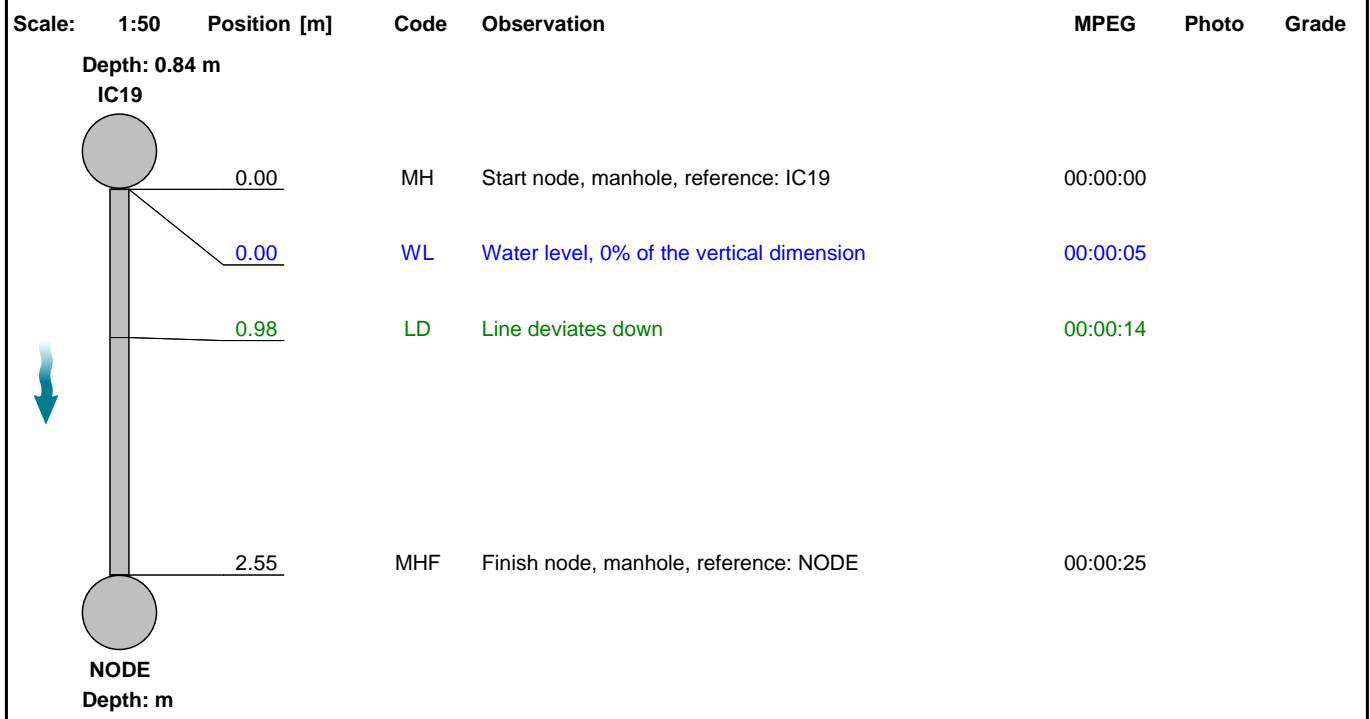
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - IC19X

Item No. 62	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC19X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: IC19
Road: Auckland Drive	Inspected Length: 2.55 m	Upstream Pipe Depth: 0.840 m
Location:	Total Length: 2.55 m	Downstream Node: NODE
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 100 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:



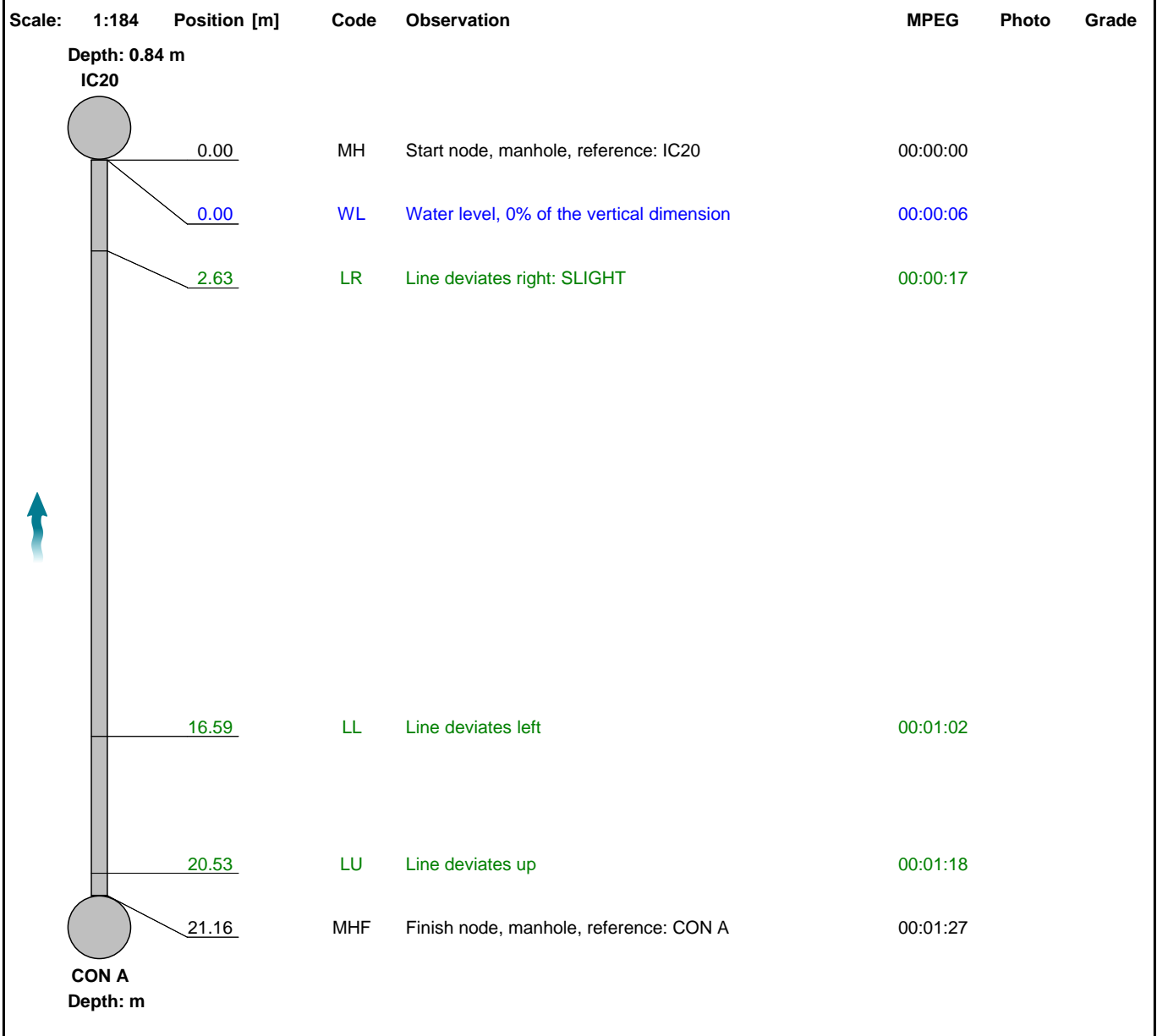
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON AX**

Item No. 63	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	21.16 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	21.16 m	<b>Downstream Node:</b>	IC20
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



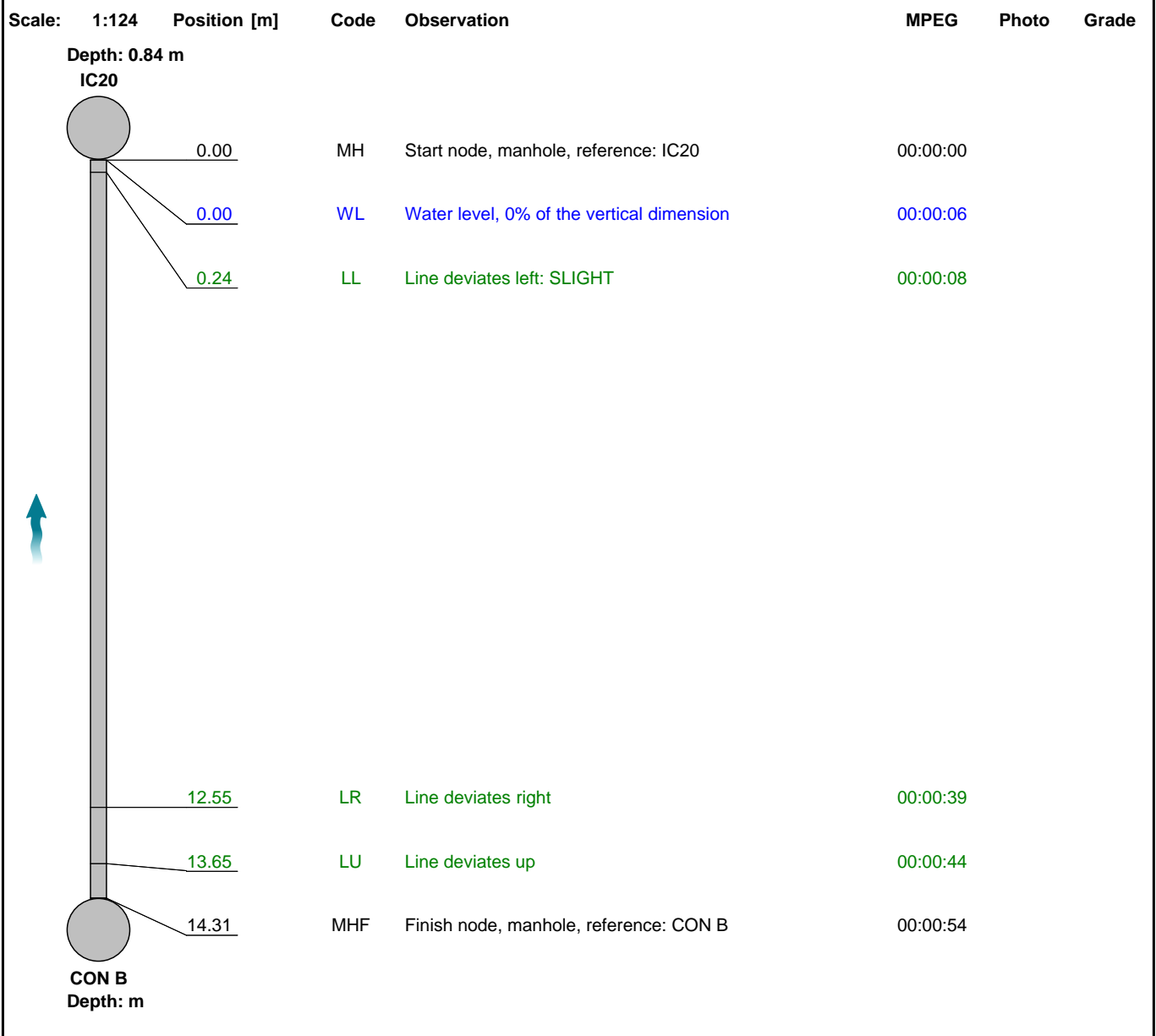
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 25/08/2023 - CON BX

Item No. 64	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON BX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON B
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	14.31 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	14.31 m	<b>Downstream Node:</b>	IC20
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

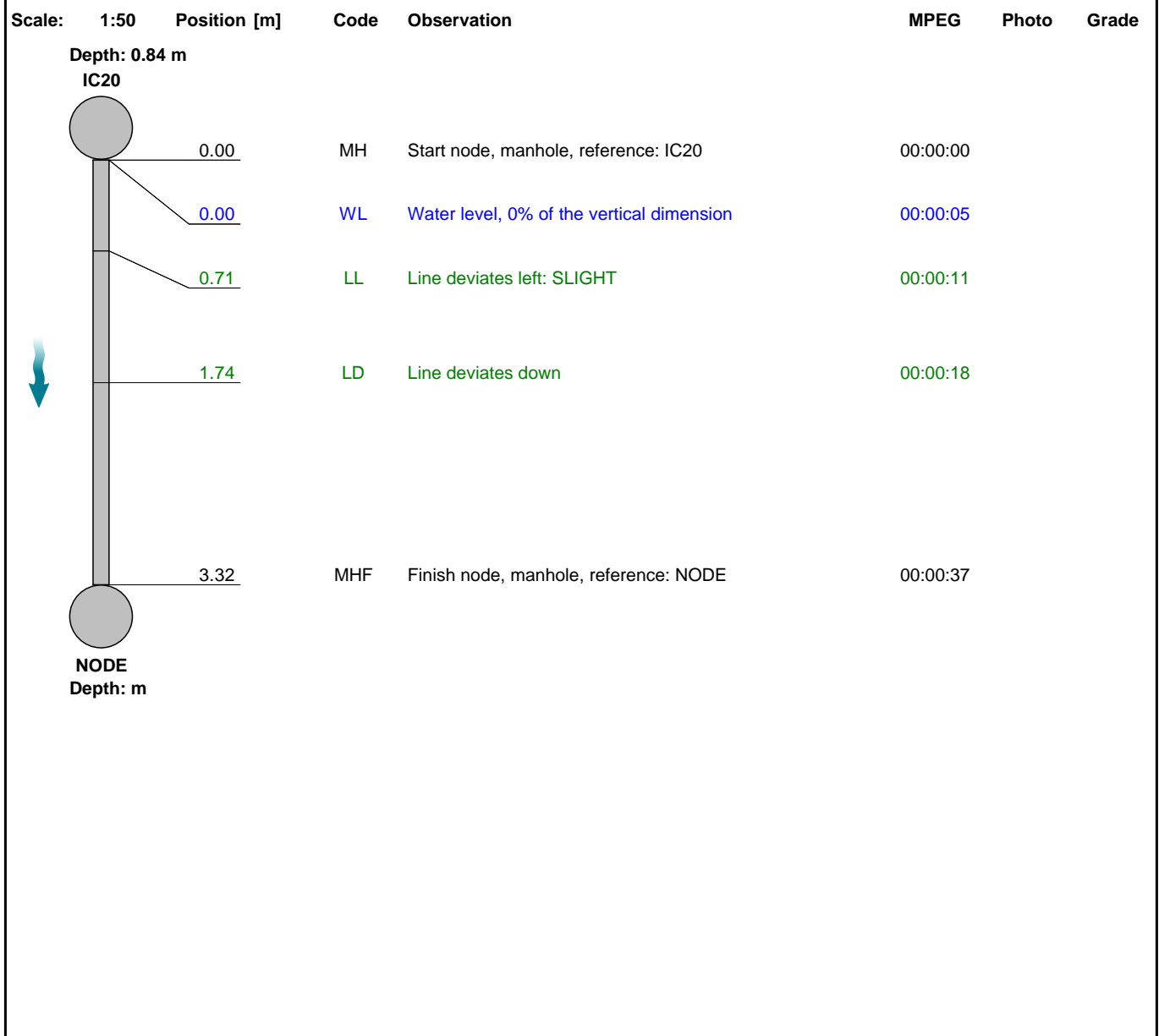


### Section Inspection - 25/08/2023 - IC20X

Item No. 65	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC20X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC20
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.32 m	<b>Upstream Pipe Depth:</b>	0.840 m
<b>Location:</b>		<b>Total Length:</b>	3.32 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



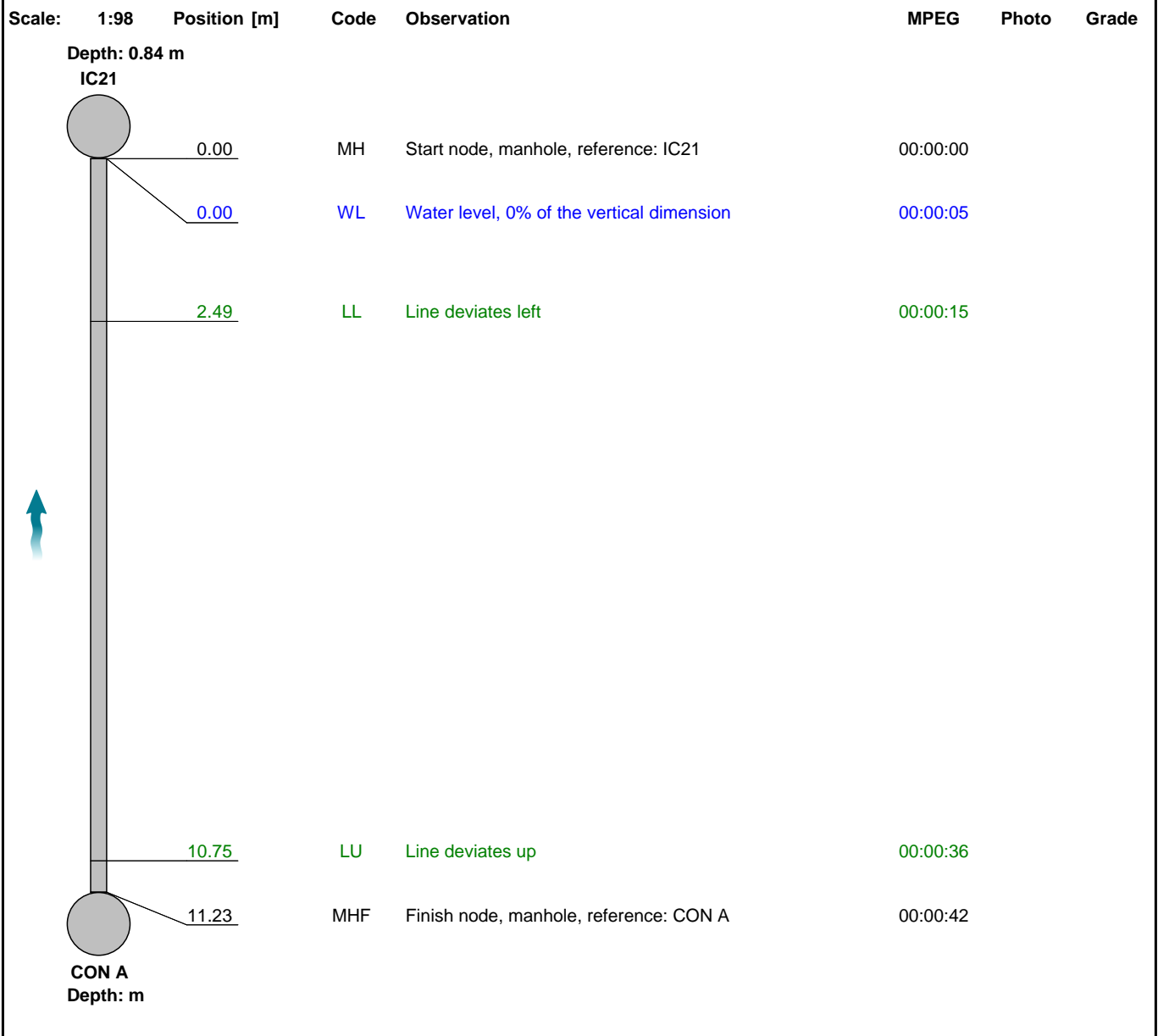
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - CON AX**

Item No. 66	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	11.23 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	11.23 m	<b>Downstream Node:</b>	IC21
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.840 m
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



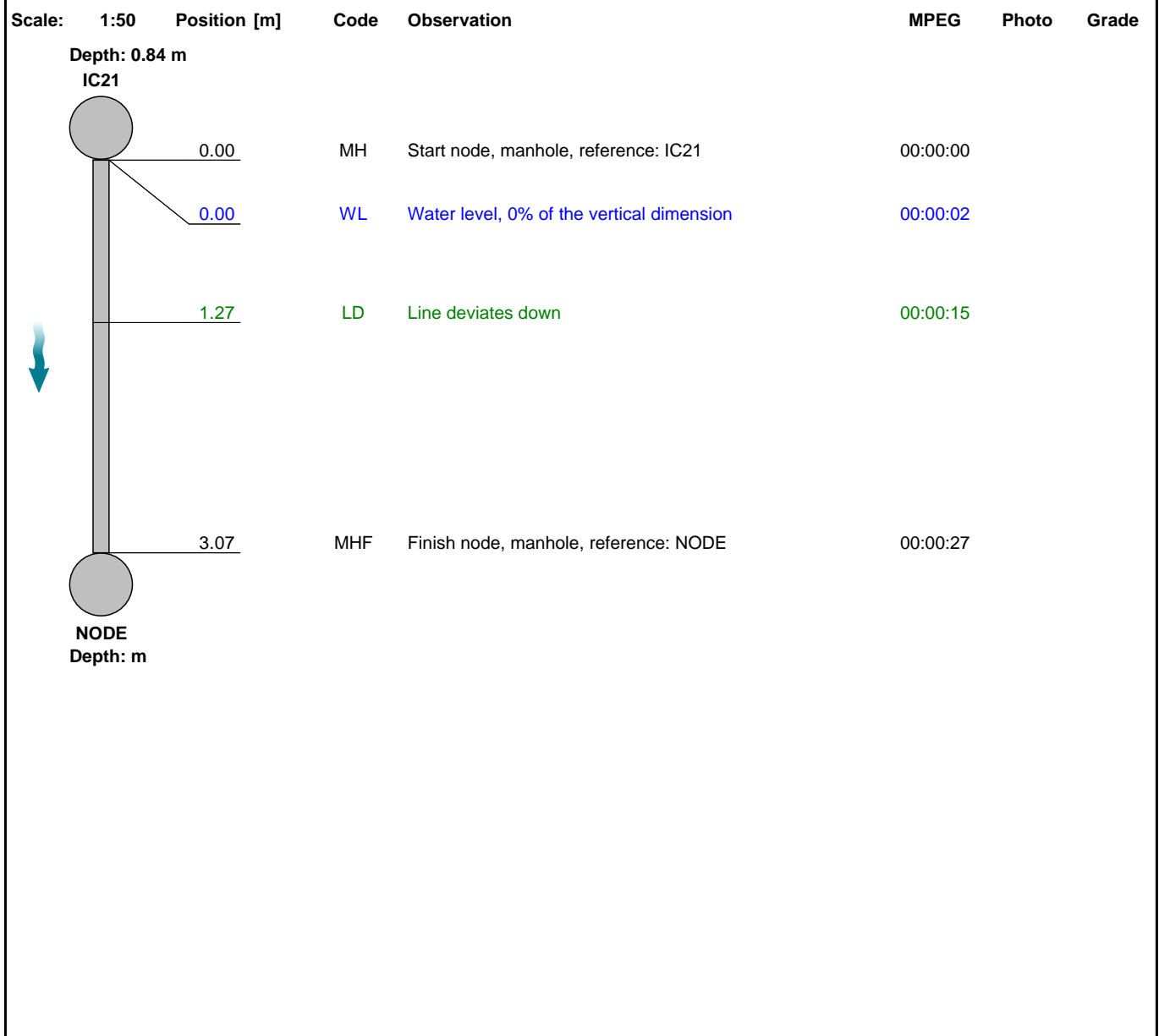
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - IC21X**

Item No. 67	Insp. No. 1	Date: 25/08/23	Time: 14:31	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR IC21X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC21
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.07 m	<b>Upstream Pipe Depth:</b>	0.840 m
<b>Location:</b>		<b>Total Length:</b>	3.07 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

**Section Inspection - 25/08/2023 - F3X**

Item No. 68	Insp. No. 1	Date: 25/08/23	Time: 14:32	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F3X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	F3
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	33.91 m	<b>Upstream Pipe Depth:</b>	3.380 m
<b>Location:</b>		<b>Total Length:</b>	33.91 m	<b>Downstream Node:</b>	F4
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale: 1:294	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: F3	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:05		
	0.00	IRJ	Infiltration, running at joint at 3 o'clock: IN MH	00:00:05	F3X_eaa4 9116-6e70 -43e8-904	
	33.64	IRJ	Infiltration, running at joint at 9 o'clock: IN MH	00:02:18	F3X_dfe36 d74-ff05-4 c8a-81e5-	
	33.91	MHF	Finish node, manhole, reference: F4	00:02:27		

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 - 25/08/2023 - F3X**

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
68	Downstream	F3X		DJS2678



F3X\_eaa49116-6e70-43e8-9044-8524c720c29c\_20230907\_1  
15657\_277.jpg, 00:00:05, 0.00 m  
Infiltration, running at joint at 3 o'clock, IN MH



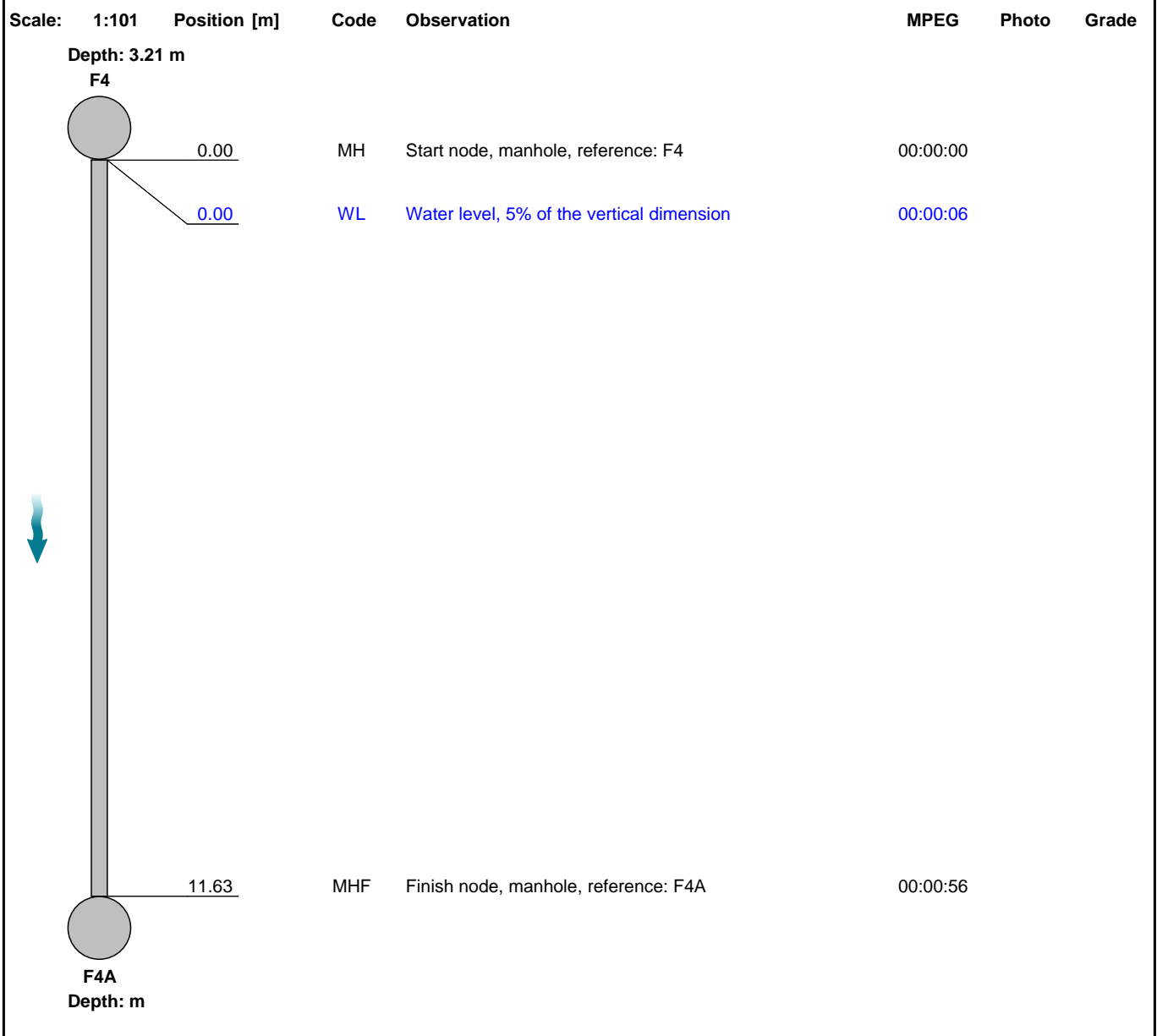
F3X\_dfe36d74-ff05-4c8a-81e5-2ba0df47674a\_20230907\_115  
940\_407.jpg, 00:02:18, 33.64 m  
Infiltration, running at joint at 9 o'clock, IN MH

**Section Inspection - 25/08/2023 - F4X**

Item No. 69	Insp. No. 1	Date: 25/08/23	Time: 14:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F4X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	F4
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	11.63 m	<b>Upstream Pipe Depth:</b>	3.210 m
<b>Location:</b>		<b>Total Length:</b>	11.63 m	<b>Downstream Node:</b>	F4A
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

**Section Inspection - 25/08/2023 - F4AX**

Item No. 70	Insp. No. 1	Date: 25/08/23	Time: 14:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F4AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	F4A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.49 m	<b>Upstream Pipe Depth:</b>	4.180 m
<b>Location:</b>		<b>Total Length:</b>	2.49 m	<b>Downstream Node:</b>	EXFMH
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: F4A	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
		1.66	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss	00:00:18		3
		2.49	MHF	Finish node, manhole, reference: EXFMH	00:00:27		

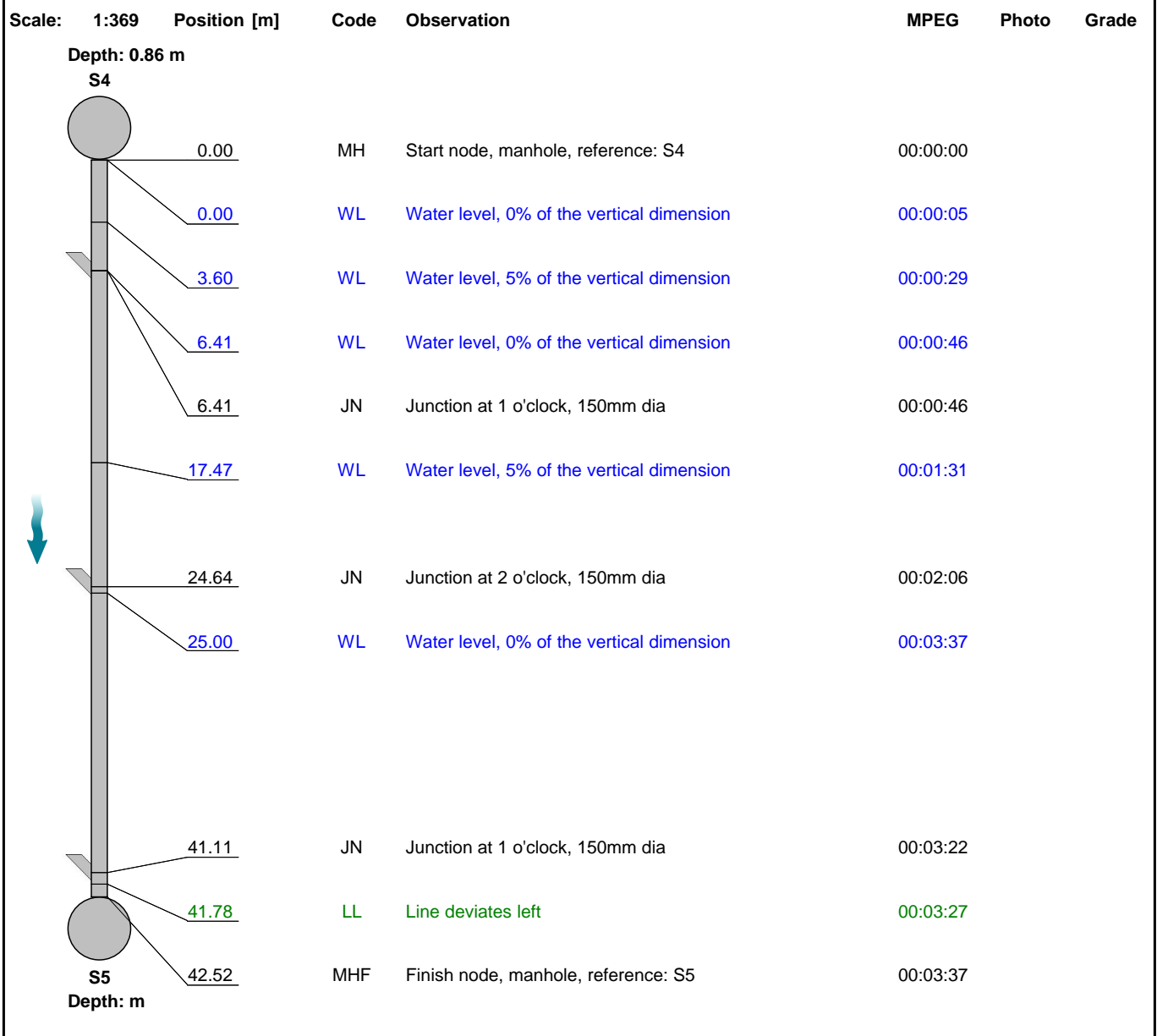
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.8	2.0	3.0

### Section Inspection - 15/08/2023 - S4X

Item No. 71	Insp. No. 1	Date: 15/08/23	Time: 5:03	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S4X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	S4
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	42.52 m	<b>Upstream Pipe Depth:</b>	0.860 m
<b>Location:</b>		<b>Total Length:</b>	42.52 m	<b>Downstream Node:</b>	S5
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

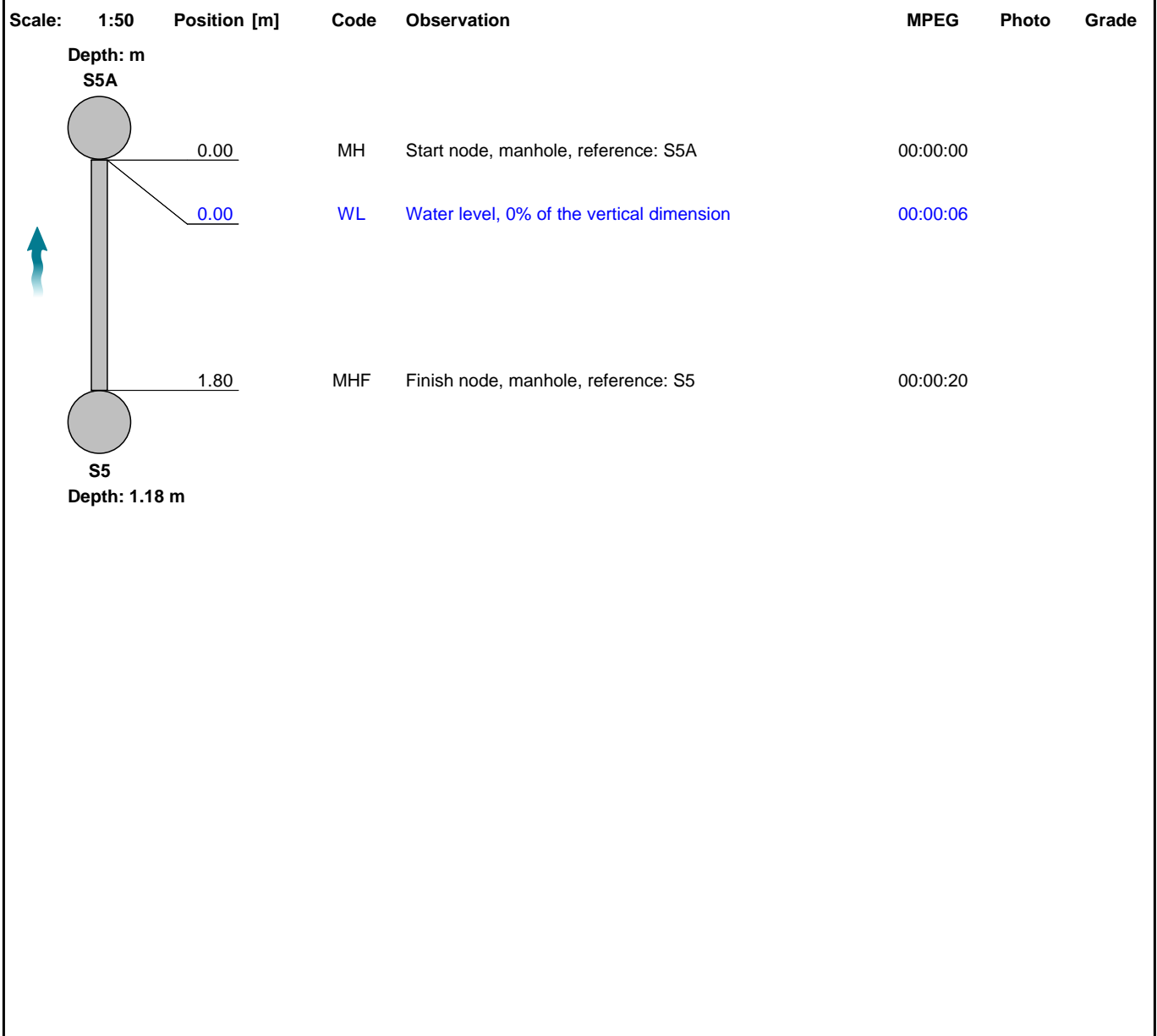


**Section Inspection - 15/08/2023 - S5X**

Item No. 72	Insp. No. 1	Date: 15/08/23	Time: 5:03	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S5X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	S5
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.80 m	<b>Upstream Pipe Depth:</b>	1.180 m
<b>Location:</b>		<b>Total Length:</b>	1.80 m	<b>Downstream Node:</b>	S5A
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



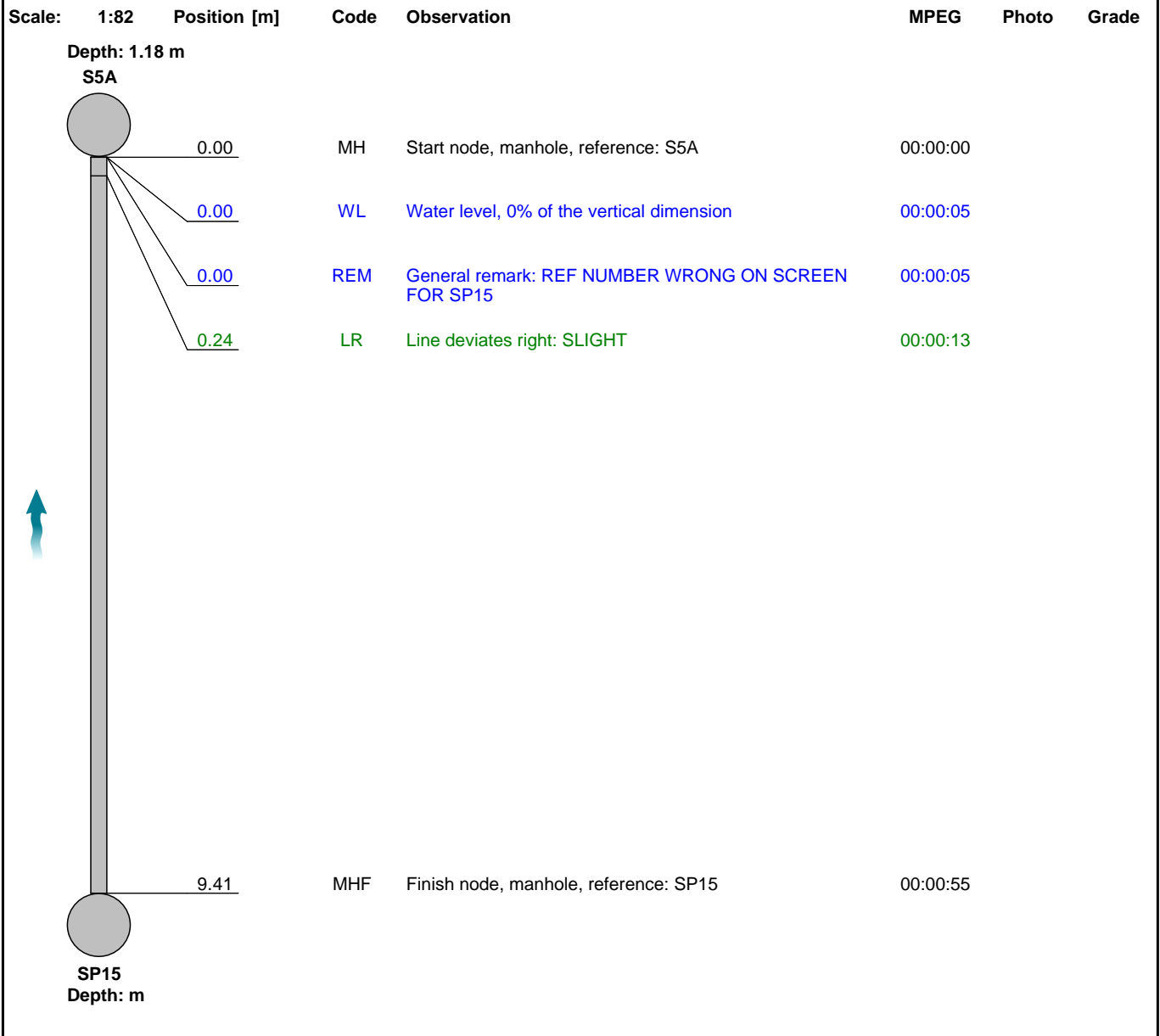
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 15/08/2023 - SP15X**

Item No. 73	Insp. No. 1	Date: 15/08/23	Time: 5:03	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP15X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	SP15
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	9.41 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	9.41 m	<b>Downstream Node:</b>	S5A
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.180 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



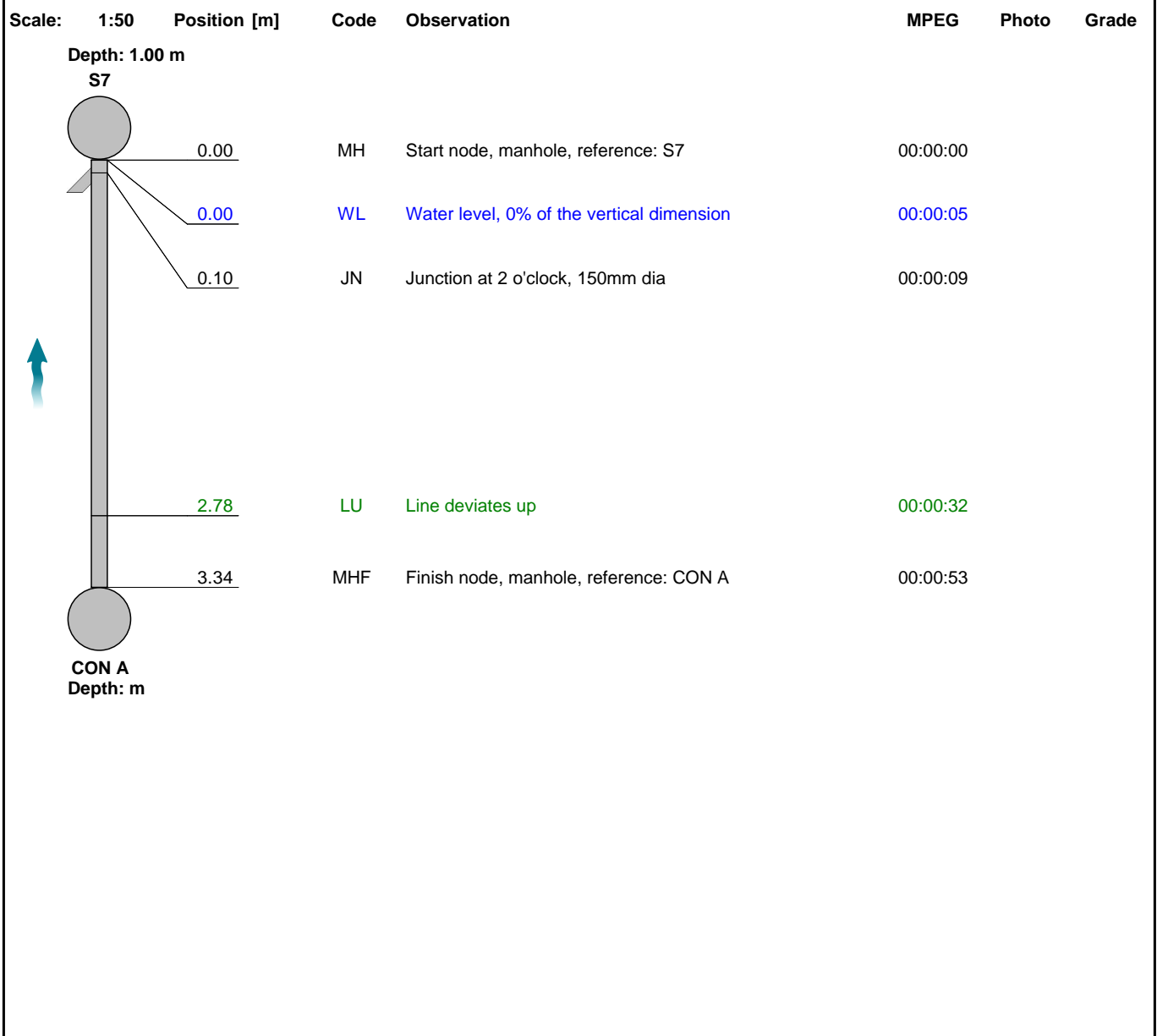
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 15/08/2023 - CON AX

Item No. 74	Insp. No. 1	Date: 15/08/23	Time: 5:03	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.34 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	3.34 m	<b>Downstream Node:</b>	S7
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.000 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



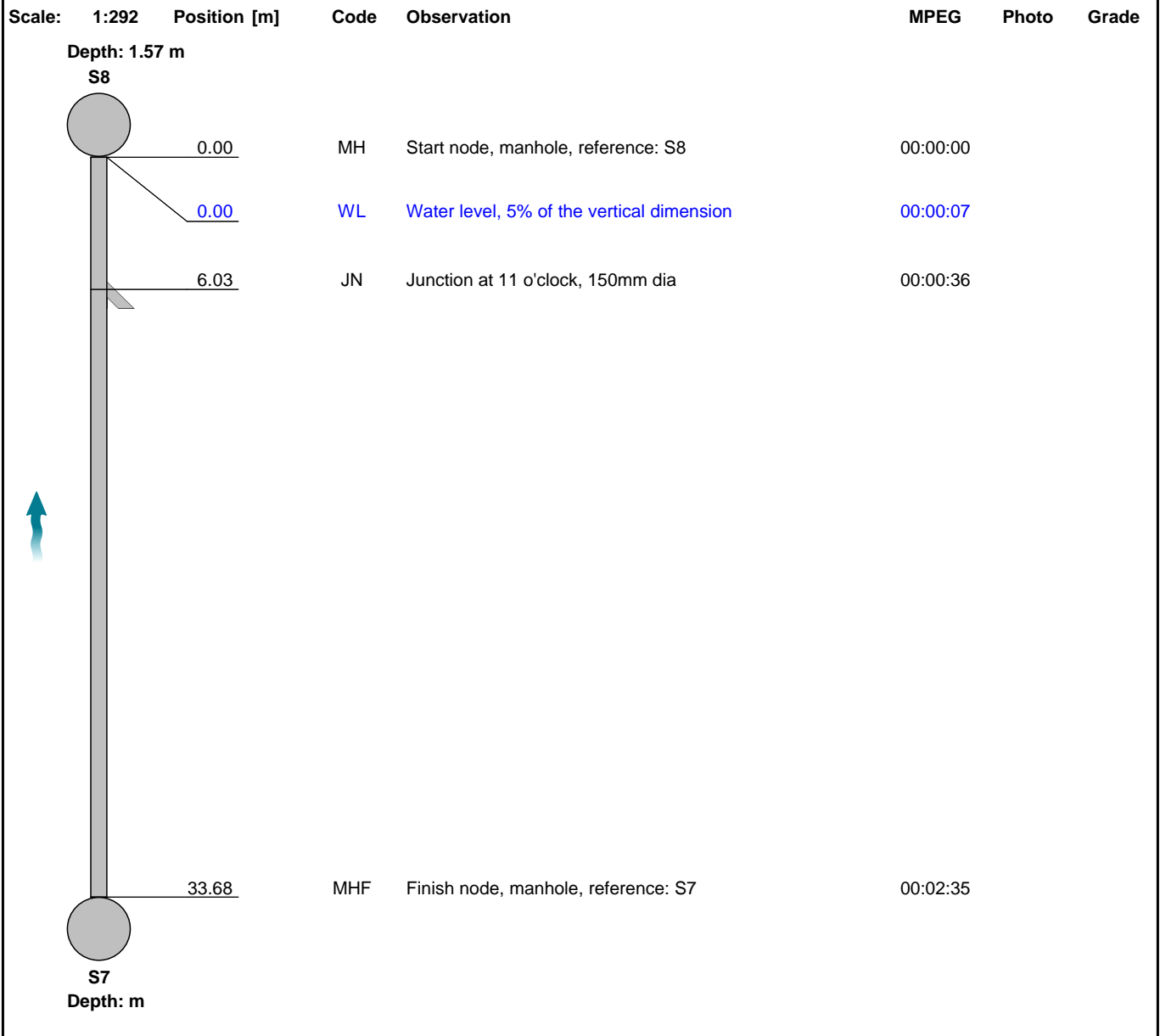
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - S7X**

Item No. 75	Insp. No. 1	Date: 29/08/23	Time: 9:47	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S7X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	S7
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	33.68 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	33.68 m	<b>Downstream Node:</b>	S8
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.570 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



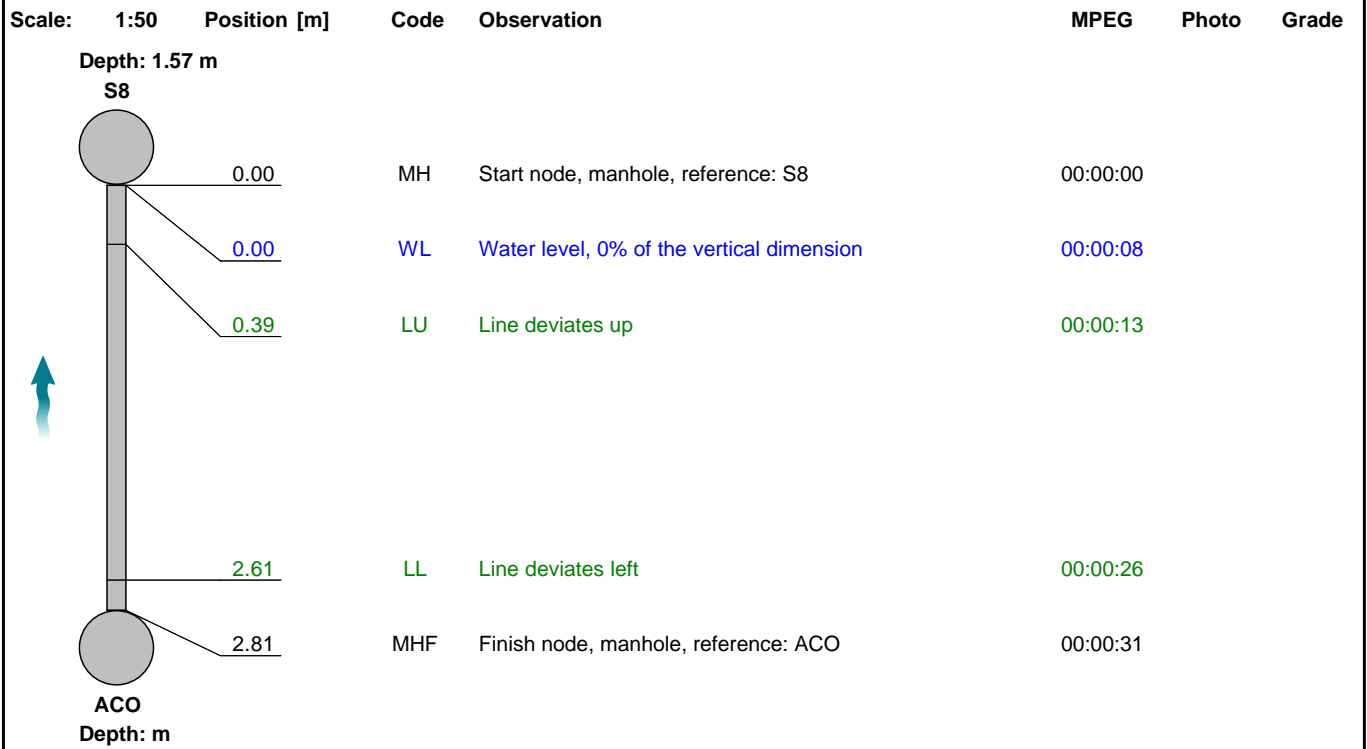
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - ACOX**

Item No. 76	Insp. No. 1	Date: 29/08/23	Time: 16:39	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR ACOX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	ACO
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	2.81 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	2.81 m	<b>Downstream Node:</b>	S8
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.570 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



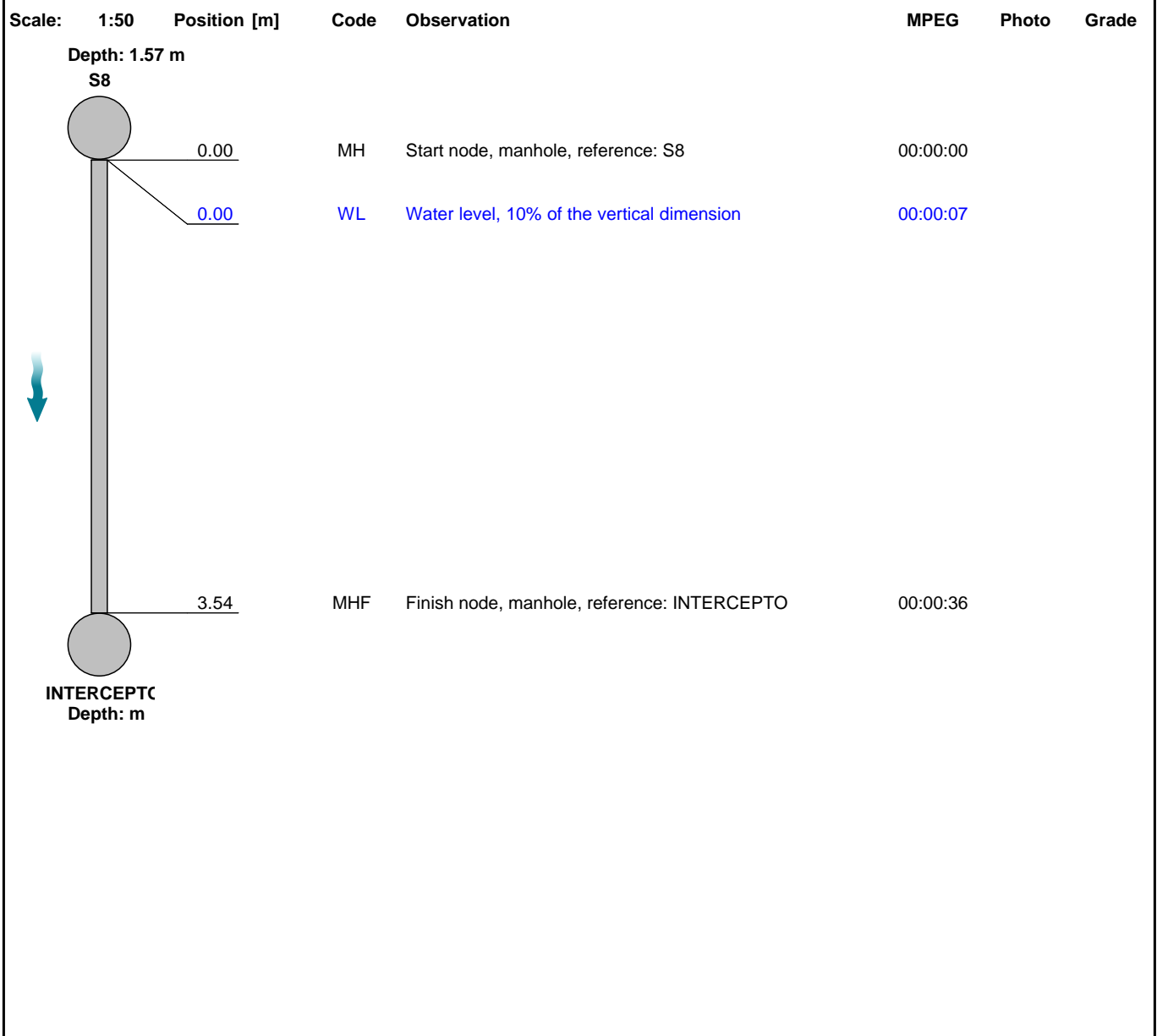
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - S8X**

Item No. 77	Insp. No. 1	Date: 29/08/23	Time: 9:56	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S8X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: S8
Road: Auckland Drive	Inspected Length: 3.54 m	Upstream Pipe Depth: 1.570 m
Location: Surface Type:	Total Length: 3.54 m	Downstream Node: INTERCEPTO
Use: Surface water	Joint Length:	Downstream Pipe Depth:
Type of Pipe: Gravity drain/sewer	Pipe Shape: Circular	
Flow Control: No flow control	Dia/Height: 375 mm	
Year Constructed: Not Specified	Material: Polyethylene	
Inspection Purpose: Post completion condition survey	Lining Type: No Lining	
	Lining Material: No Lining	

Comments:  
Recommendations:



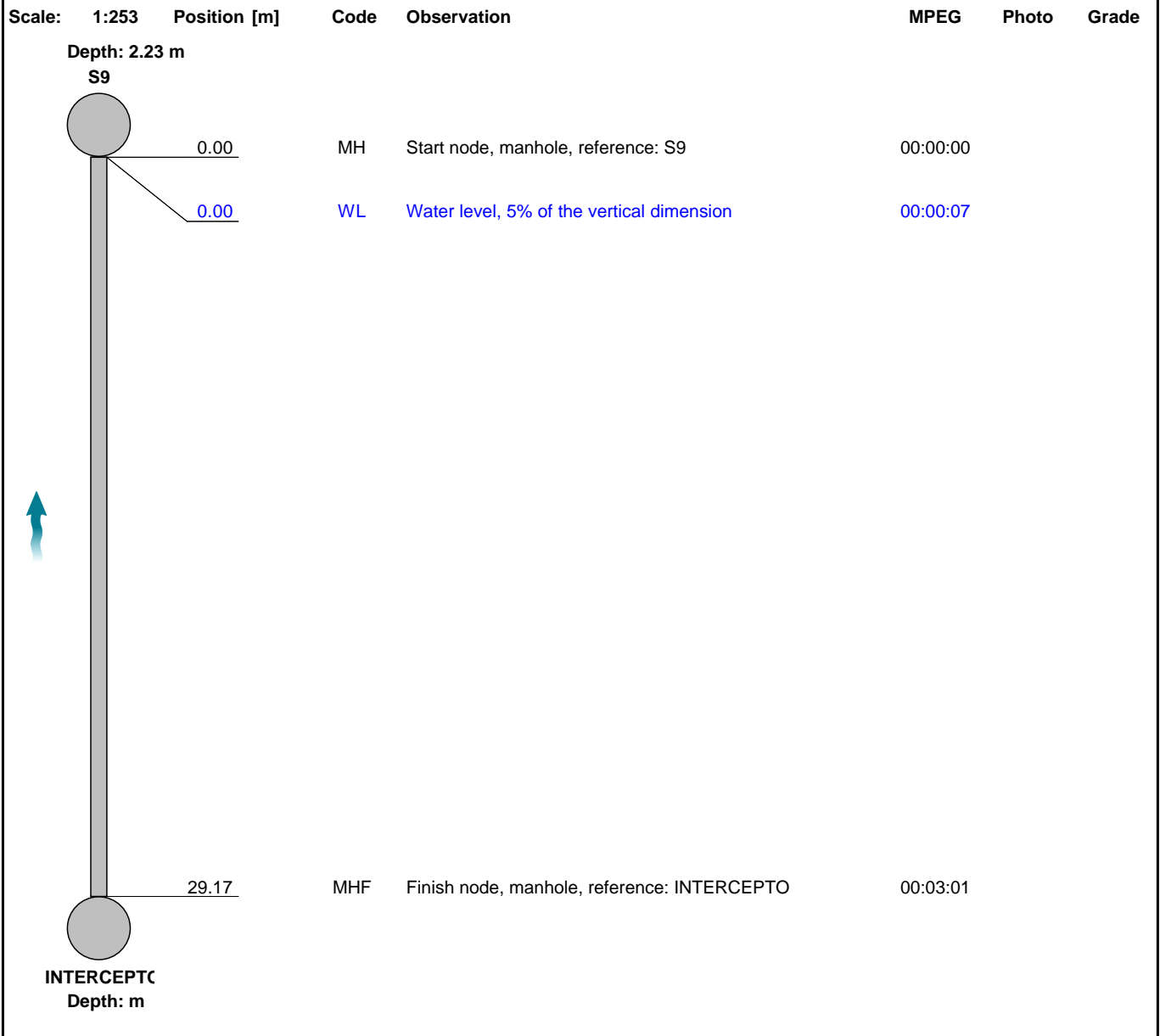
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - INTERCEPTOX**

Item No. 78	Insp. No. 1	Date: 29/08/23	Time: 9:13	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR INTERCEPTOX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	INTERCEPTO
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	29.17 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	29.17 m	<b>Downstream Node:</b>	S9
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	2.230 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	375 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



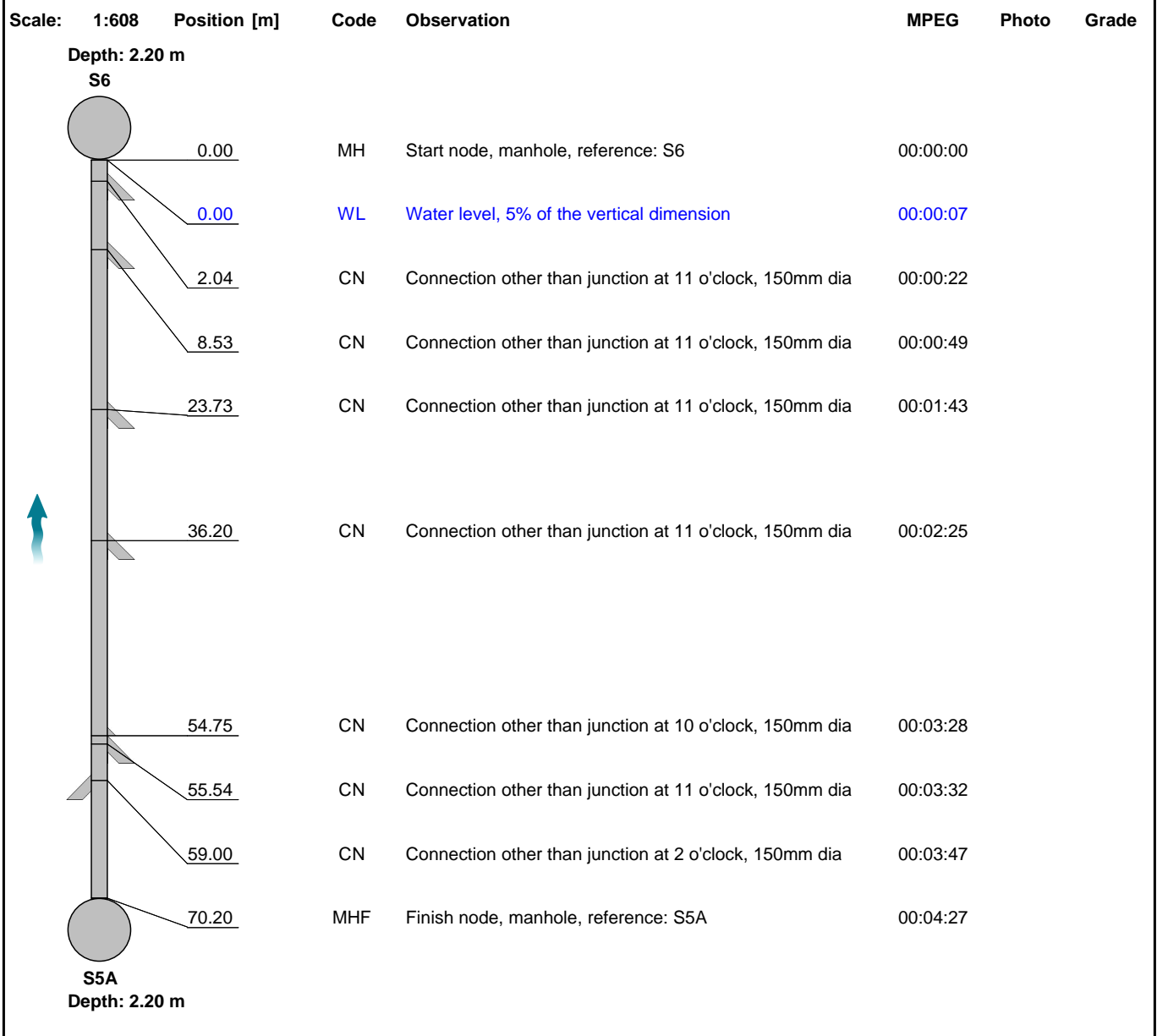
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

### Section Inspection - 29/08/2023 - S5AX

Item No. 79	Insp. No. 1	Date: 29/08/23	Time: 8:39	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S5AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	S5A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	70.20 m	<b>Upstream Pipe Depth:</b>	2.200 m
<b>Location:</b>		<b>Total Length:</b>	70.20 m	<b>Downstream Node:</b>	S6
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	2.200 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	375 mm
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Material:</b>	Polyethylene	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>	No flow control	<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Post completion condition survey				

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



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

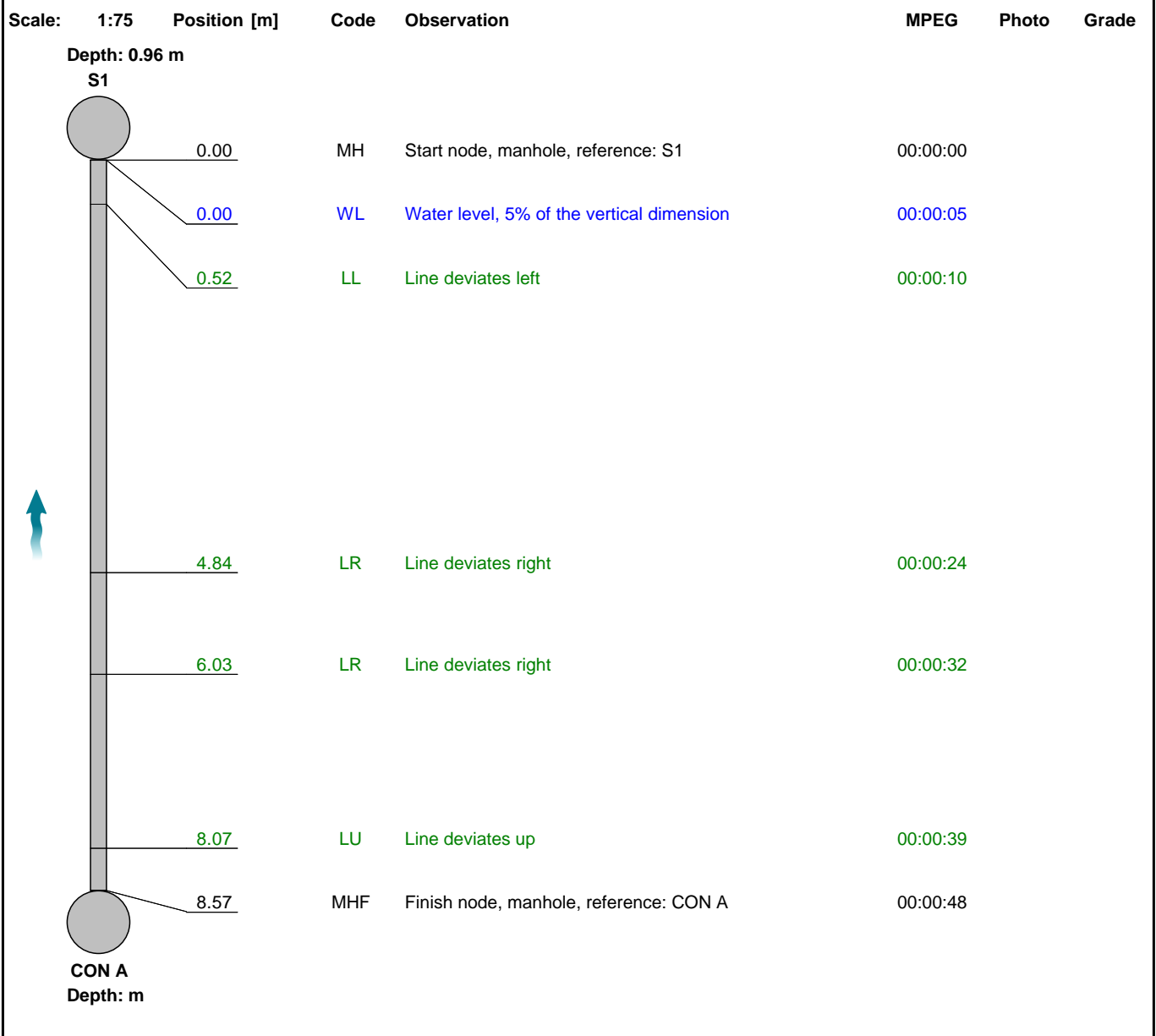


### Section Inspection - 25/08/2023 - CON AX

Item No. 80	Insp. No. 1	Date: 25/08/23	Time: 14:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	CON A
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	8.57 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	8.57 m	<b>Downstream Node:</b>	S1
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	0.960 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



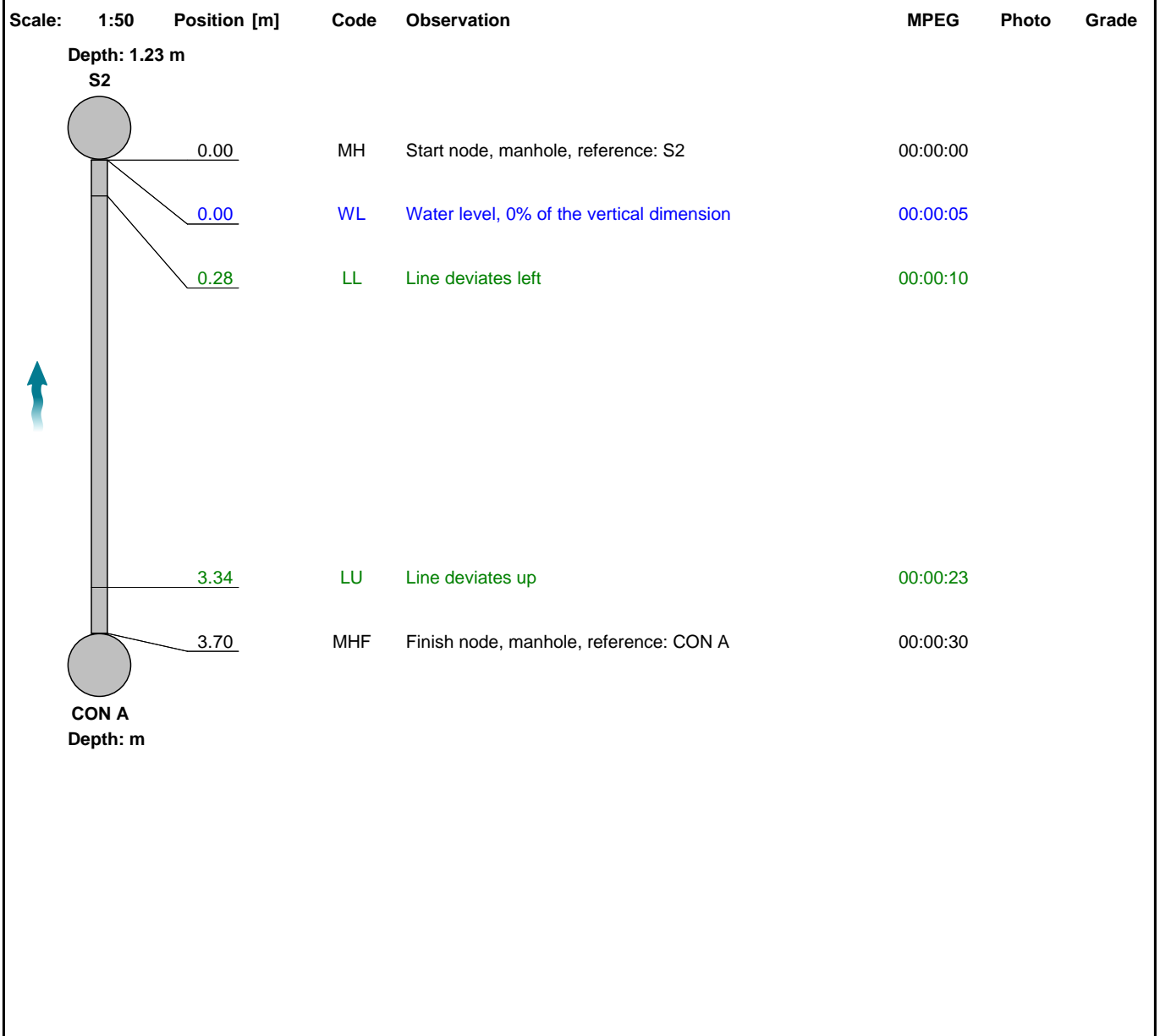
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

## Section Inspection - 25/08/2023 - CON AX

Item No. 81	Insp. No. 1	Date: 25/08/23	Time: 14:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR CON AX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Upstream	Upstream Node: CON A
Road: Auckland Drive	Inspected Length: 3.70 m	Upstream Pipe Depth:
Location:	Total Length: 3.70 m	Downstream Node: S2
Surface Type:	Joint Length:	Downstream Pipe Depth: 1.230 m
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 150 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

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



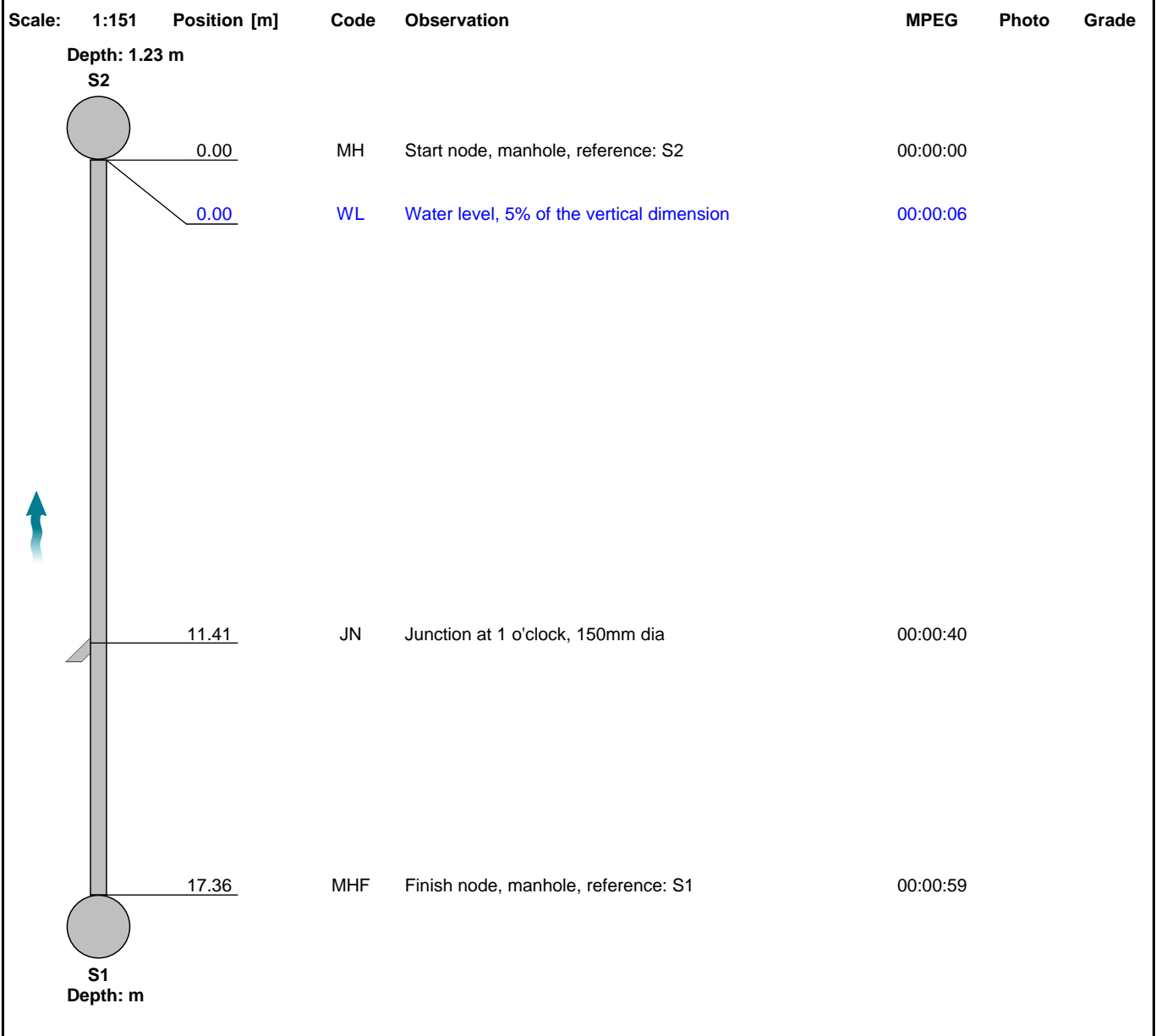
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - S1X**

Item No. 82	Insp. No. 1	Date: 25/08/23	Time: 14:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S1X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	S1
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	17.36 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	17.36 m	<b>Downstream Node:</b>	S2
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.230 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	225 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



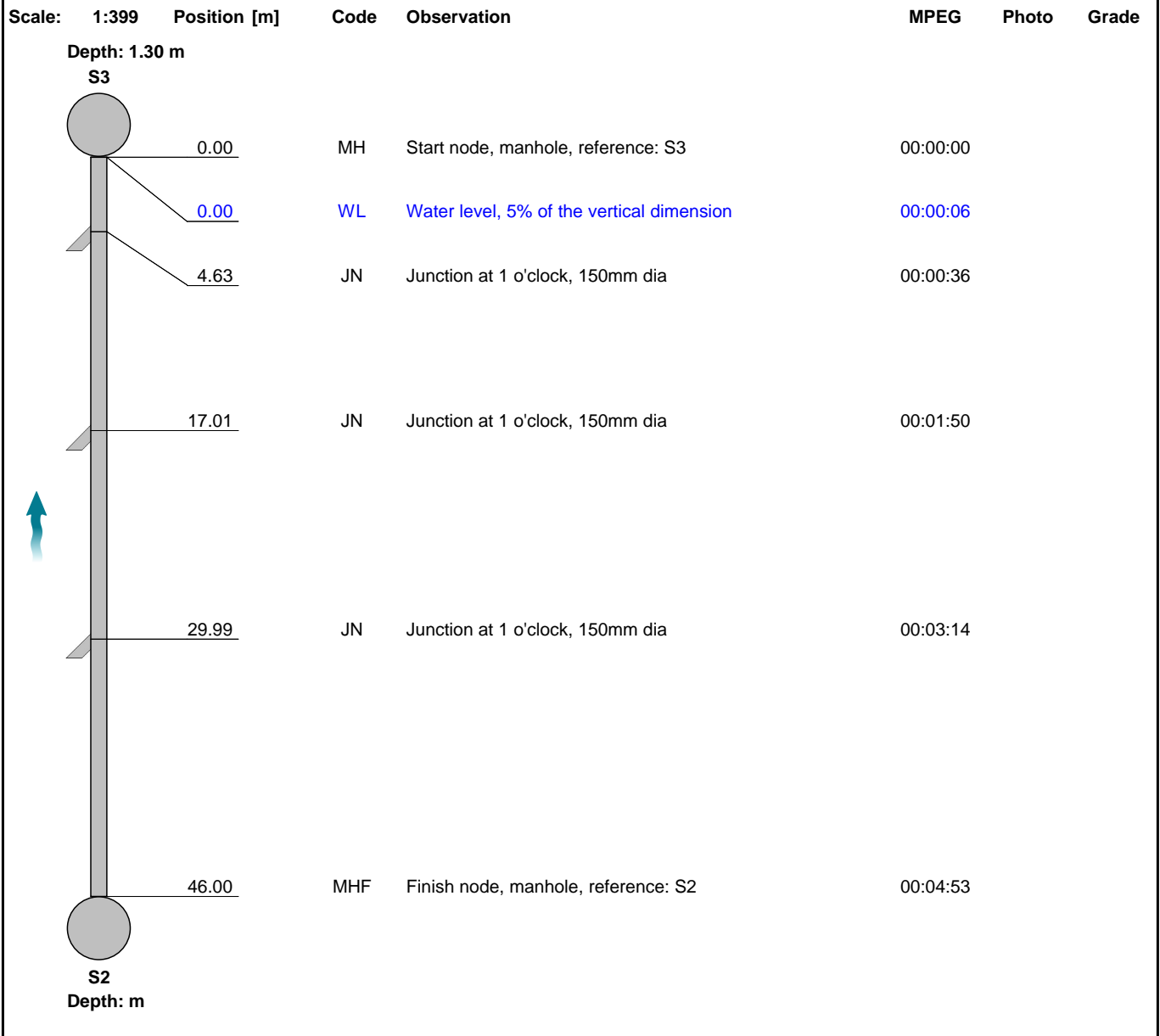
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - S2X**

Item No. 83	Insp. No. 1	Date: 25/08/23	Time: 12:29	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S2X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	S2
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	46.00 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	46.00 m	<b>Downstream Node:</b>	S3
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	1.300 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



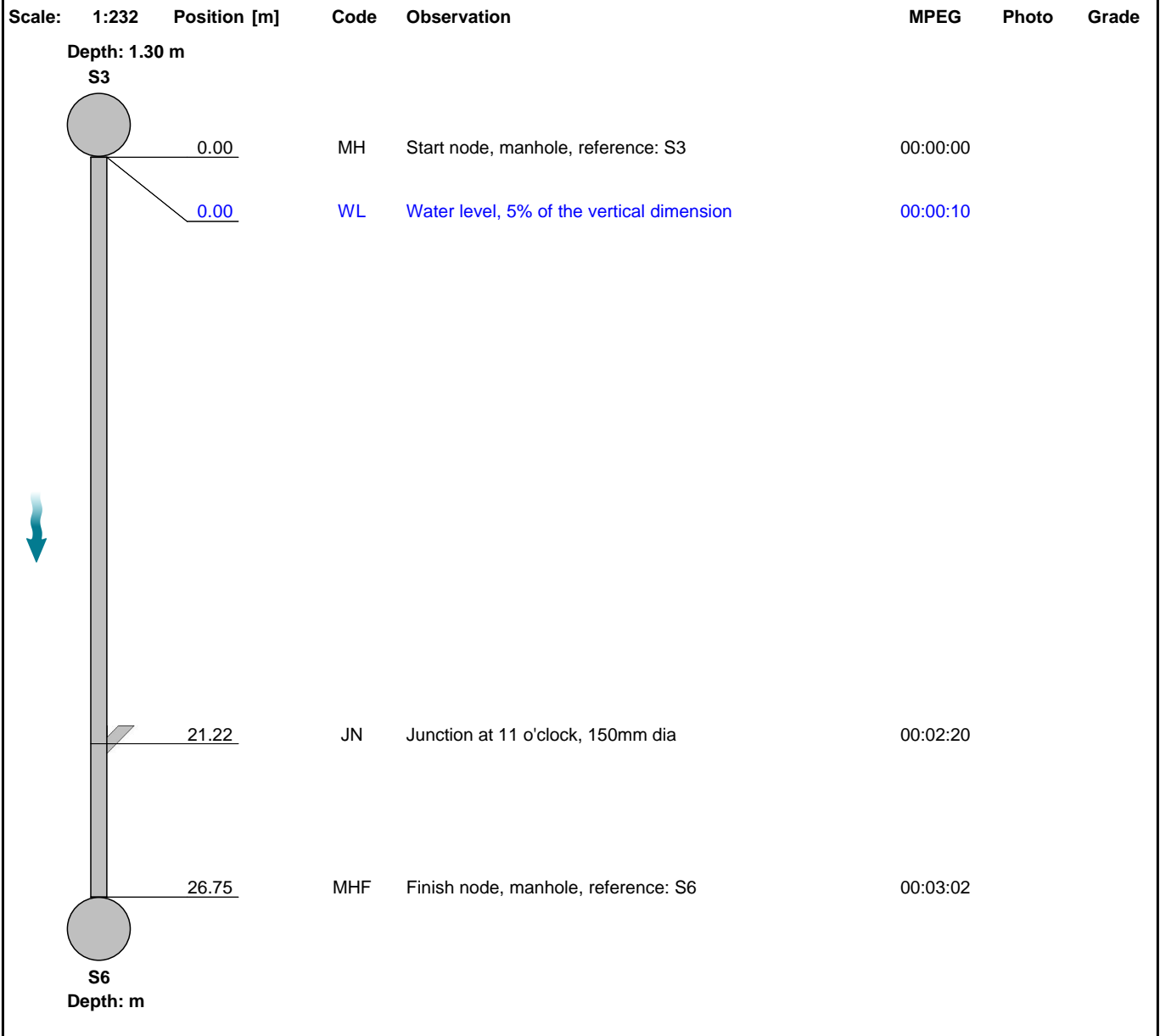
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 25/08/2023 - S3X**

Item No. 84	Insp. No. 1	Date: 25/08/23	Time: 12:37	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S3X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	S3
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	26.75 m	<b>Upstream Pipe Depth:</b>	1.300 m
<b>Location:</b>		<b>Total Length:</b>	26.75 m	<b>Downstream Node:</b>	S6
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



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

**Section Inspection - 29/08/2023 - S6X**

Item No. 85	Insp. No. 1	Date: 29/08/23	Time: 9:07	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S6X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	S6
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.88 m	<b>Upstream Pipe Depth:</b>	2.200 m
<b>Location:</b>		<b>Total Length:</b>	0.88 m	<b>Downstream Node:</b>	S9
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	450 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: S6	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
		0.88	MHF	Finish node, manhole, reference: S9	00:00:24		

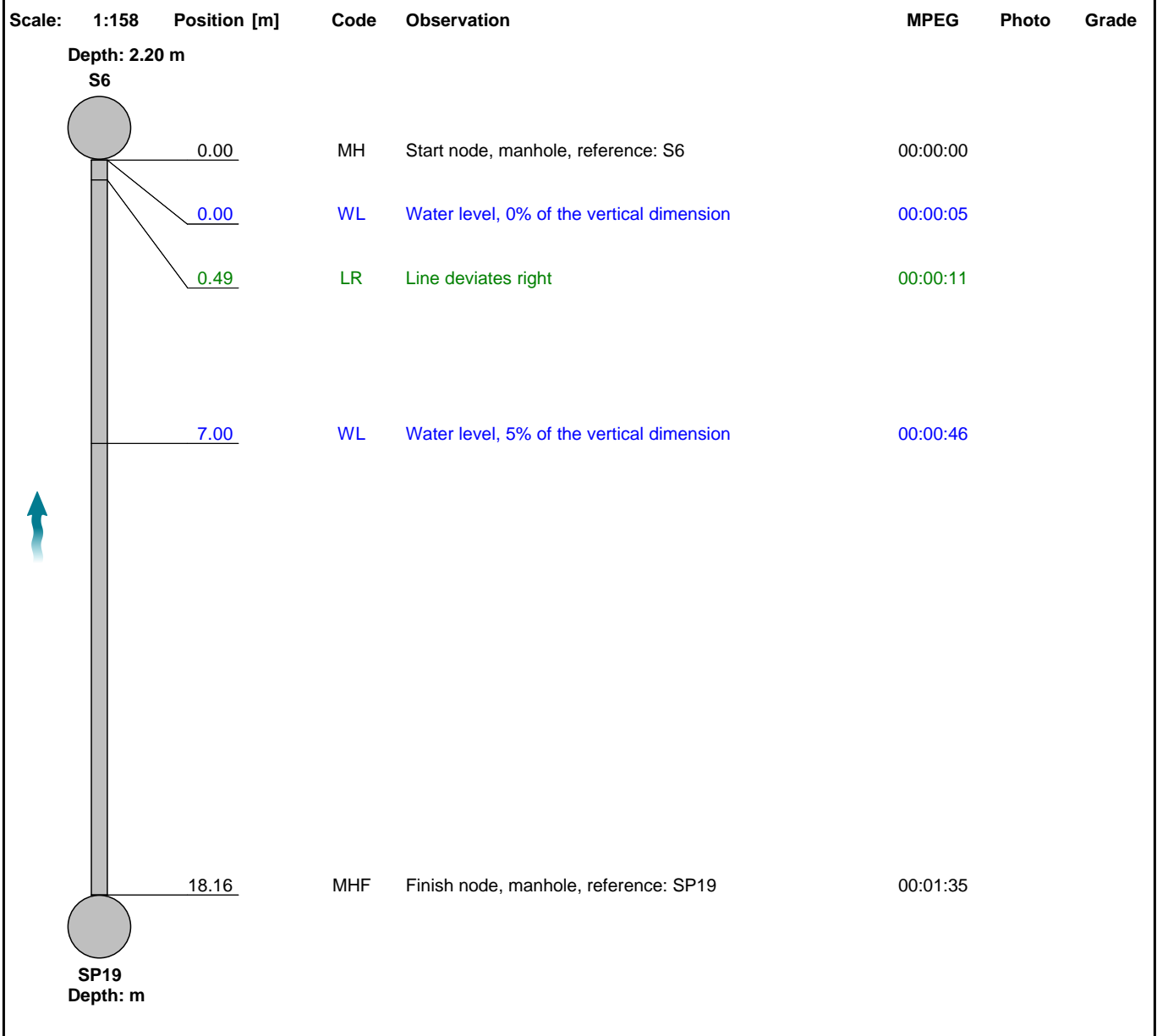
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - SP19X**

Item No. 86	Insp. No. 1	Date: 29/08/23	Time: 15:34	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP19X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	SP19
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	18.16 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	18.16 m	<b>Downstream Node:</b>	S6
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	2.200 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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



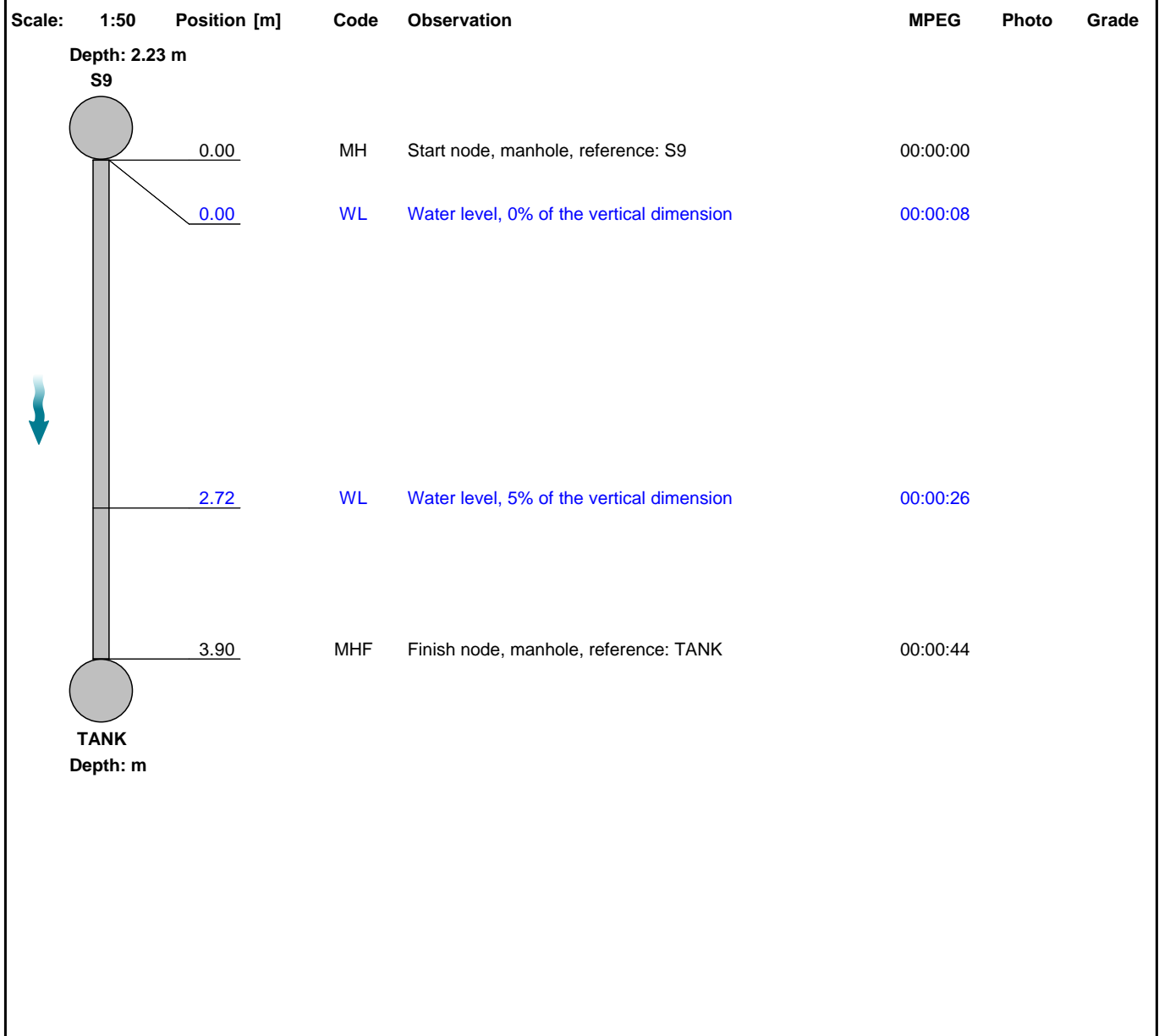
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

**Section Inspection - 29/08/2023 - S9X**

Item No. 87	Insp. No. 1	Date: 29/08/23	Time: 12:23	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S9X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	S9
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	3.90 m	<b>Upstream Pipe Depth:</b>	2.230 m
<b>Location:</b>		<b>Total Length:</b>	3.90 m	<b>Downstream Node:</b>	TANK
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	450 mm
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Material:</b>	Polyethylene	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>	No flow control	<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Post completion condition survey				

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



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



**Section Inspection - 29/08/2023 - TANKX**

Item No. 88	Insp. No. 1	Date: 29/08/23	Time: 11:52	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR TANKX
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Crawler	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Upstream	<b>Upstream Node:</b>	TANK
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.64 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>		<b>Total Length:</b>	1.64 m	<b>Downstream Node:</b>	S10
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	2.940 m
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	450 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: 2.94 m					
		S10					
		0.00	MH	Start node, manhole, reference: S10	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
		1.64	MHF	Finish node, manhole, reference: TANK	00:00:29		
		TANK					
		Depth: m					

Construction Features

Miscellaneous Features

Structural Defects

Service & Operational Observations

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

**Section Inspection - 29/08/2023 - S10X**

Item No. 89	Insp. No. 1	Date: 29/08/23	Time: 15:33	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S10X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Solihull	Inspection Direction: Downstream	Upstream Node: S10
Road: Auckland Drive	Inspected Length: 2.23 m	Upstream Pipe Depth: 2.960 m
Location:	Total Length: 2.23 m	Downstream Node: S11
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 150 mm	
Flow Control: No flow control	Material: Polyethylene	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Post completion condition survey	Lining Material: No Lining	

Comments:  
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: S10	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	0.57	LD	Line deviates down	00:00:15		
	2.23	MHF	Finish node, manhole, reference: S11	00:00:34		

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 Inspection - 29/08/2023 - S11X

Item No. 90	Insp. No. 1	Date: 29/08/23	Time: 16:53	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR S11X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	S11
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	1.62 m	<b>Upstream Pipe Depth:</b>	3.420 m
<b>Location:</b>		<b>Total Length:</b>	1.62 m	<b>Downstream Node:</b>	EXSMH
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	150 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH		Start node, manhole, reference: S11	00:00:00		
	0.00	WL		Water level, 10% of the vertical dimension	00:00:08		
	0.35	LL		Line deviates left	00:00:11		
	0.51	SC		Pipe size changes, new size(s), 225mm high	00:00:13		
	0.91	MCVC		Pipe material changes to vitrified clay at this point	00:00:16		
	1.62	MHF		Finish node, manhole, reference: EXSMH	00:00:23		

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 Inspection - 15/08/2023 - AC4X

Item No. 91	Insp. No. 1	Date: 15/08/23	Time: 4:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR AC4X
Operator Lyndsay Smith		Vehicle DV63 XXL		Camera Push	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

<b>Town or Village:</b>	Solihull	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	AC4
<b>Road:</b>	Auckland Drive	<b>Inspected Length:</b>	0.99 m	<b>Upstream Pipe Depth:</b>	0.850 m
<b>Location:</b>		<b>Total Length:</b>	0.99 m	<b>Downstream Node:</b>	NODE
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Foul	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	Gravity drain/sewer	<b>Dia/Height:</b>	100 mm		
<b>Flow Control:</b>	No flow control	<b>Material:</b>	Polyethylene		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Post completion condition survey	<b>Lining Material:</b>	No Lining		

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

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node, manhole, reference: AC4		00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension		00:00:05		
	0.63	LD	Line deviates down		00:00:14		
	0.99	MHF	Finish node, manhole, reference: NODE		00:00:26		

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