



Report

C1009272

2023-08-09

MSCC5_DOMESTIC

64a Acre End Street, Witney, Oxfordshire, OX29 4PD, United Kingdom

Supplier

Organisation Happy Drains

Engineer Jason Morris,M roberts

Client

Name Vanessa Jones

Contact phone number +4407768255973

Address 64a Acre End Street, Witney, Oxfordshire, OX29 4PD, United Kingdom

Job reference OX29 4PD

[View interactive report](#)



Project drawing



64a Acre End Street, Witney, Oxfordshire, OX29 4PD, United Kingdom

- | | |
|----------|----------|
| ① MH-1 | ⑨ Swmh01 |
| ② MH-2 | ⑩ Swmh03 |
| ③ BR-1 | Ⓐ SWMH04 |
| ④ SVP-1 | Ⓑ RWG-1 |
| ⑤ SVP-2 | |
| ⑥ SVP-3 | |
| ⑦ SVP-4 | |
| ⑧ Swmh02 | |



Project drawing

Grade A

Best practice suggests consideration should be given to repairs in the medium term.

Grade B

Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade C

Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section 1	SERVICE B	STRUCTURAL A
Section 2	SERVICE A	STRUCTURAL A
Section 3	SERVICE A	STRUCTURAL A
Section 4	SERVICE A	STRUCTURAL A



Section 5	SERVICE B	STRUCTURAL A
Section 6	SERVICE B	STRUCTURAL A
Section 7	SERVICE B	STRUCTURAL A
Section 8	SERVICE B	STRUCTURAL A
Section 9	SERVICE A	STRUCTURAL A
Section 10	SERVICE A	STRUCTURAL A



Survey measurements

Number of sections

10

Total length of sewer network

 62.75m

Total length of inspections

 62.75m

Total abandoned inspections

X 1

Number of section inspection photos

 39

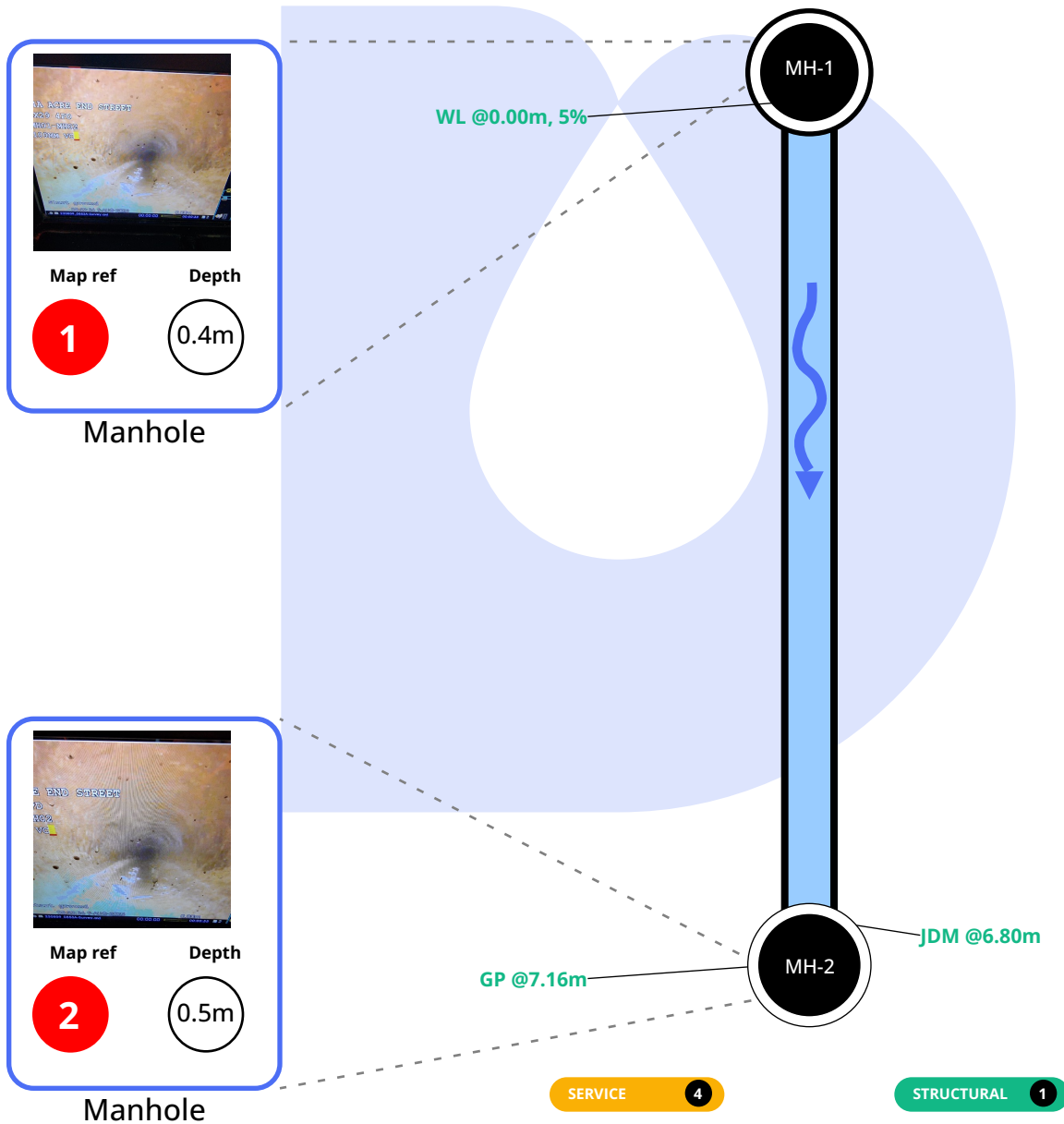
Number of section inspection videos

 0



Section 1 - At a glance

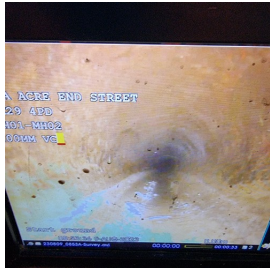
Length 7.16m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Section
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Section 1 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

STRUCTURAL

A

SERVICE

A

JDM (Joint Displaced Medium)



Distance: 6.8m

STRUCTURAL

A

SERVICE

B

finish



Distance: 7.16m

STRUCTURAL

A

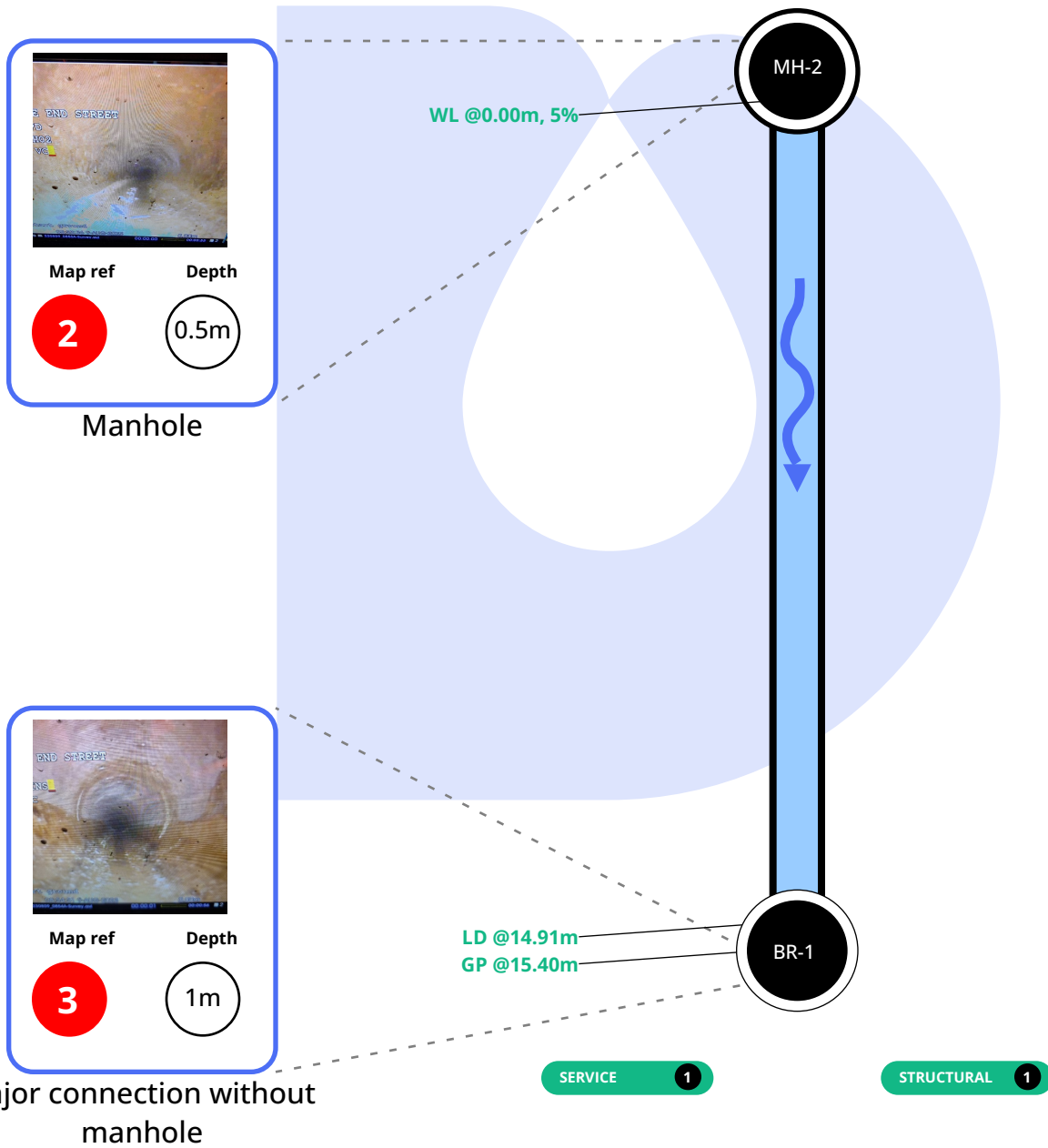
SERVICE

A



Section 2 - At a glance

Length 15.4m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Section
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Section 2 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

STRUCTURAL **A**

SERVICE **A**

LD (Line Deviates Downwards)



Distance: 14.91m

STRUCTURAL **A**

SERVICE **A**

finish



Distance: 15.4m

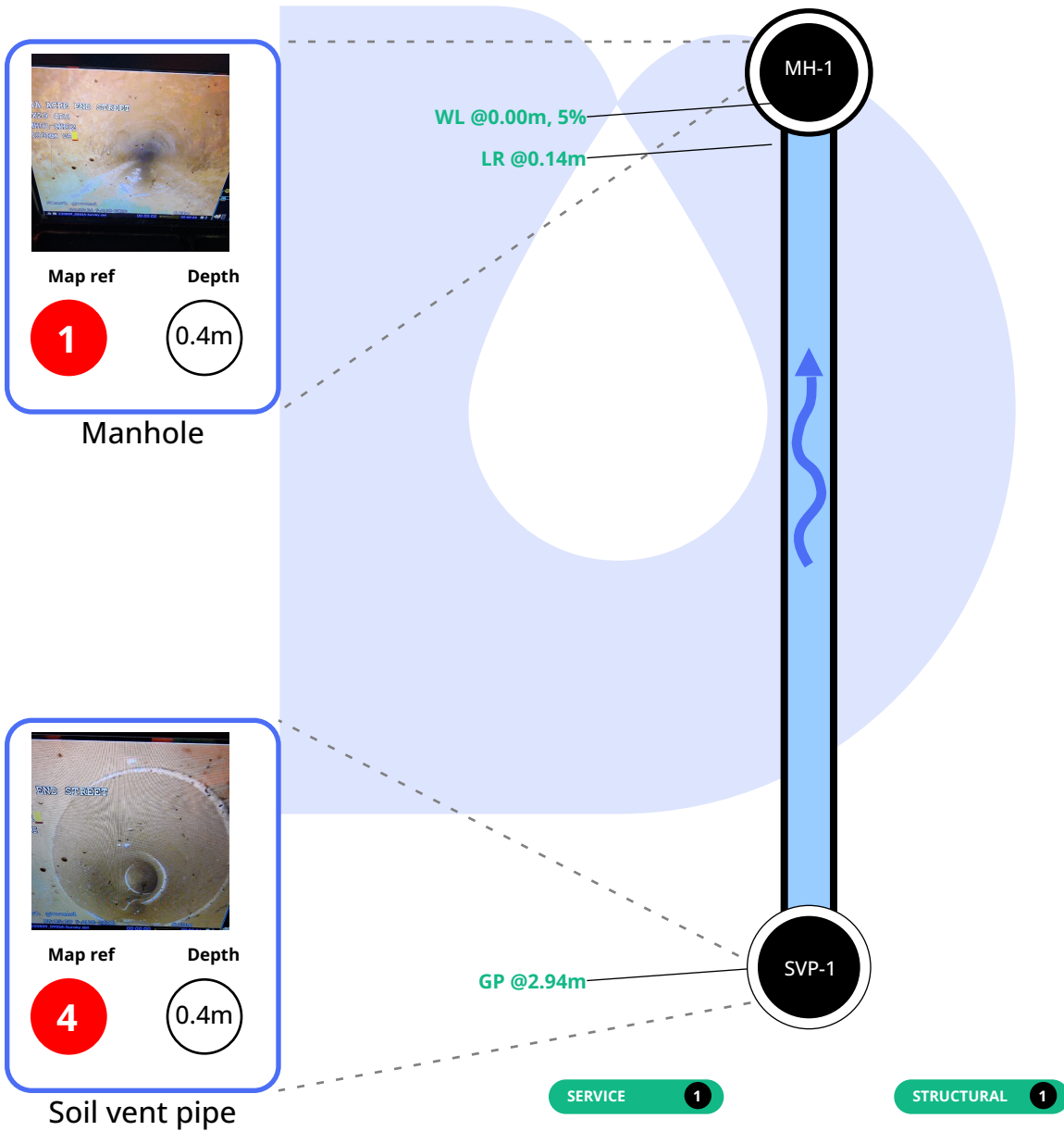
STRUCTURAL **A**

SERVICE **A**



Section 3 - At a glance

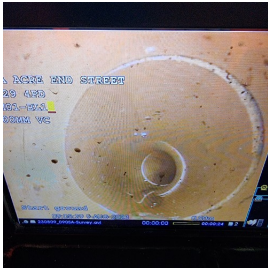
Length 2.94m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Lateral
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Section 3 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

STRUCTURAL

A

SERVICE

A

LR (Line Deviates Right)



Distance: 0.14m

STRUCTURAL

A

SERVICE

A

finish



Distance: 2.94m

STRUCTURAL

A

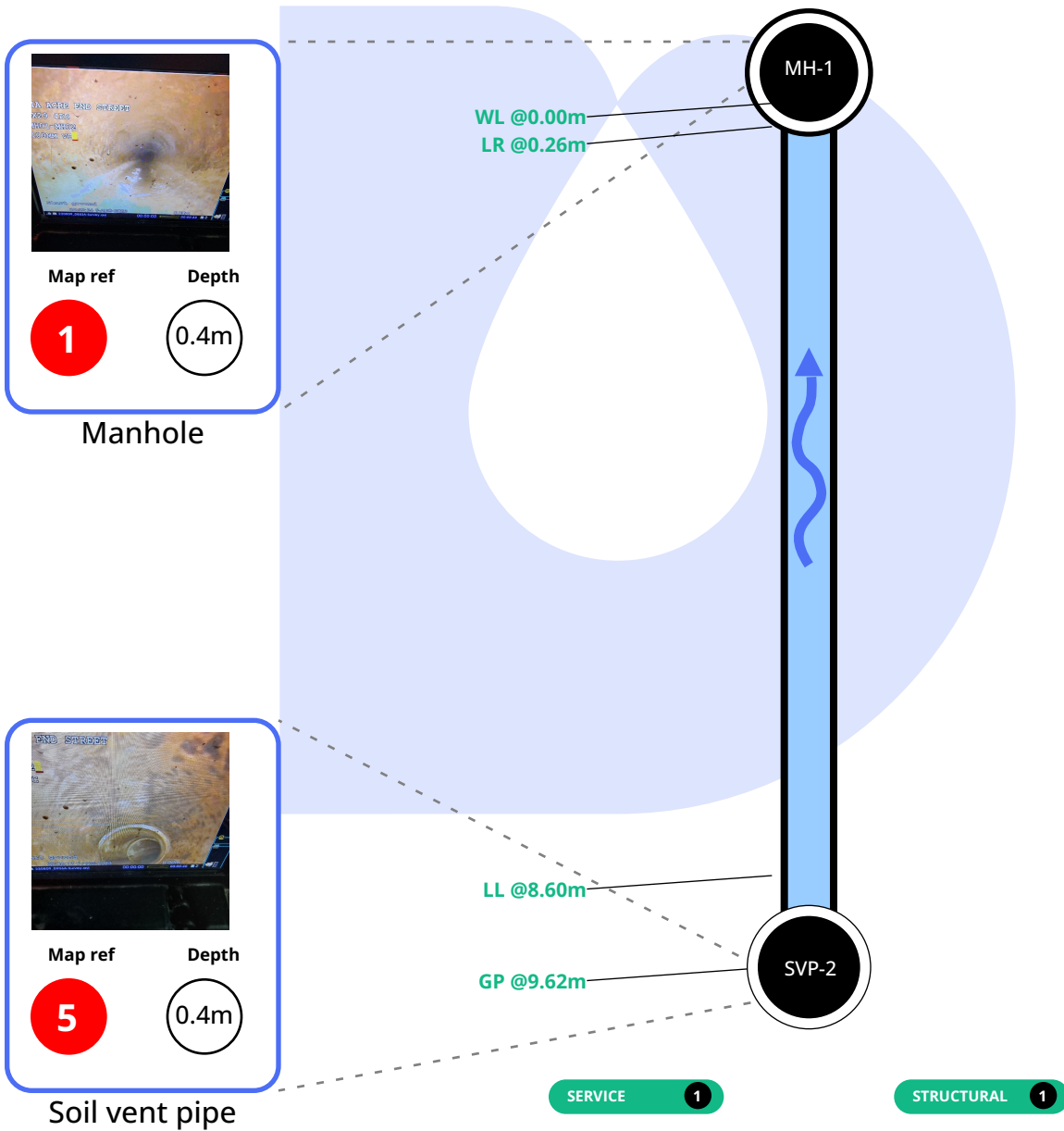
SERVICE

A



Section 4 - At a glance

Length 9.62m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Lateral
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Section 4 - Observations

WL (Water Level)



Distance: 0m
Amount: 0%

STRUCTURAL

A

SERVICE

A

LR (Line Deviates Right)



Distance: 0.26m

STRUCTURAL

A

SERVICE

A

LL (Line Deviates Left)



Distance: 8.6m

STRUCTURAL

A

SERVICE

A

finish



Distance: 9.62m

STRUCTURAL

A

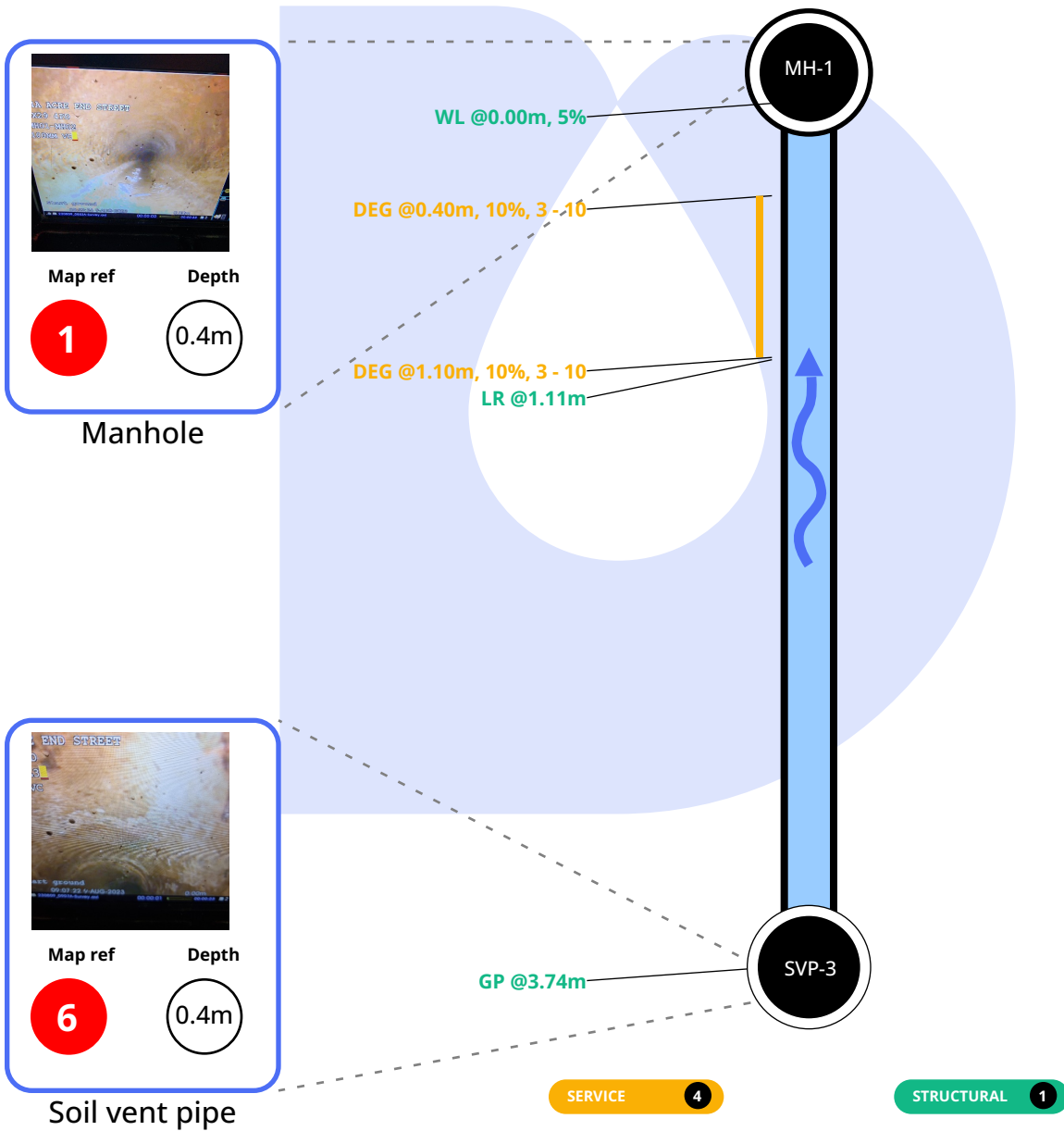
SERVICE

A



Section 5 - At a glance

Length 3.74m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Lateral
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Section 5 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

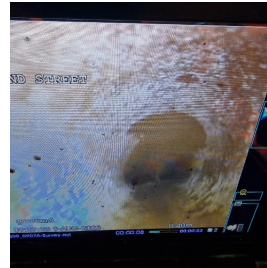
STRUCTURAL

A

SERVICE

A

DEG (Deposits Grease)



Distance: 0.4m
Start/end clock reference: 3 to 9o'clock
Cross sectional loss: 10%
Continuous: true

STRUCTURAL

A

SERVICE

B

LR (Line Deviates Right)



Distance: 1.11m

STRUCTURAL

A

SERVICE

A

finish



Distance: 3.74m

STRUCTURAL

A

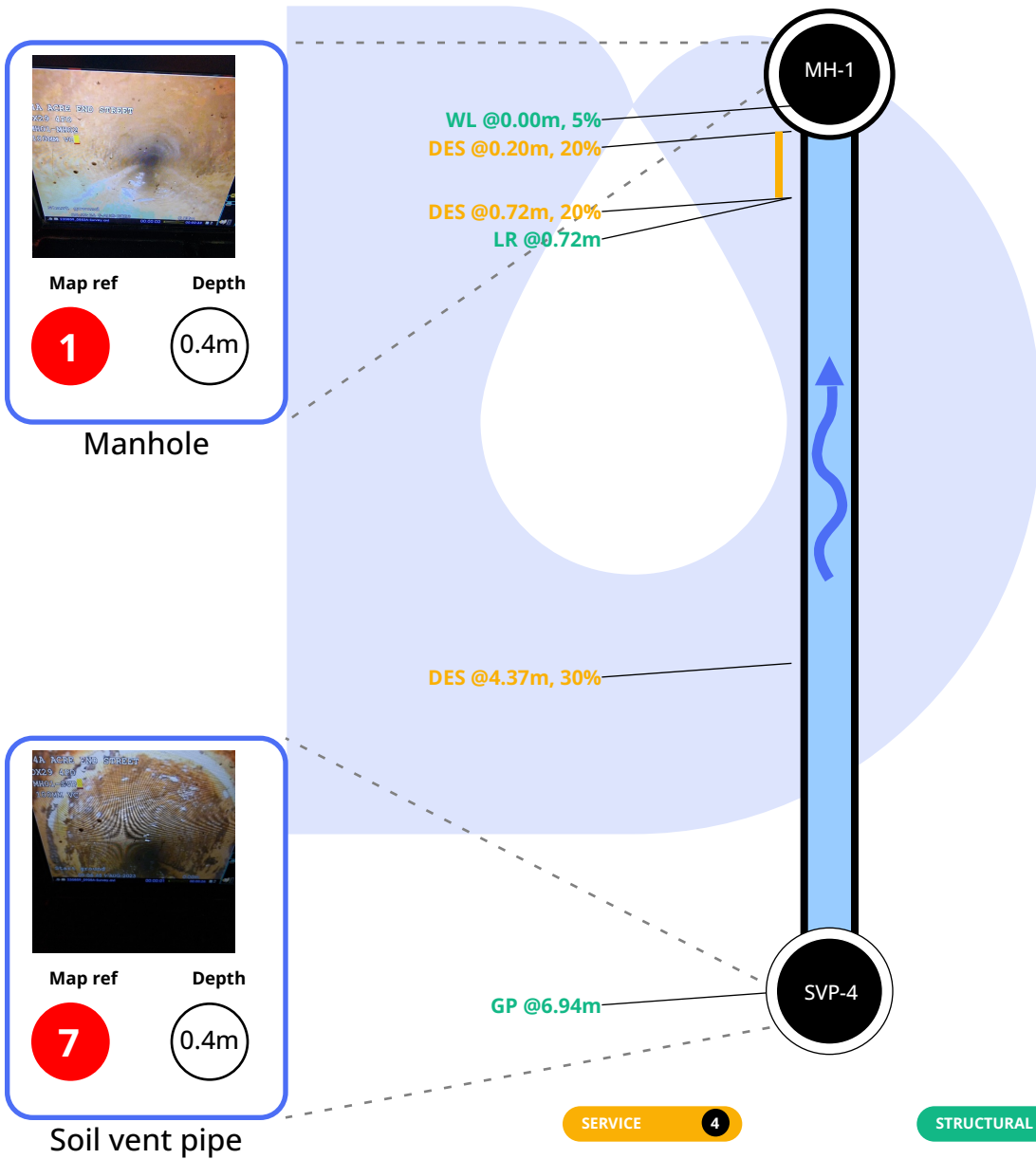
SERVICE

A



Section 6 - At a glance

Length 6.94m	Diameter 100mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Lateral
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Section 6 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

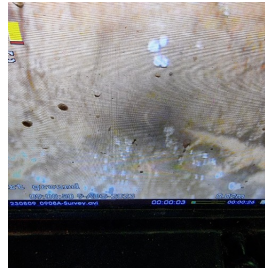
STRUCTURAL

A

SERVICE

A

DES (Deposits Fine Settled)



Distance: 0.2m
Cross sectional loss: 20%
Continuous: true

STRUCTURAL

A

SERVICE

B

DES (Deposits Fine Settled)



Distance: 0.72m
Cross sectional loss: 20%
Continuous: true

STRUCTURAL

A

SERVICE

B

LR (Line Deviates Right)



Distance: 0.72m

STRUCTURAL

A

SERVICE

A

DES (Deposits Fine Settled)



Distance: 4.37m
Cross sectional loss: 30%

STRUCTURAL

A

SERVICE

B

finish



Distance: 6.94m

STRUCTURAL

A

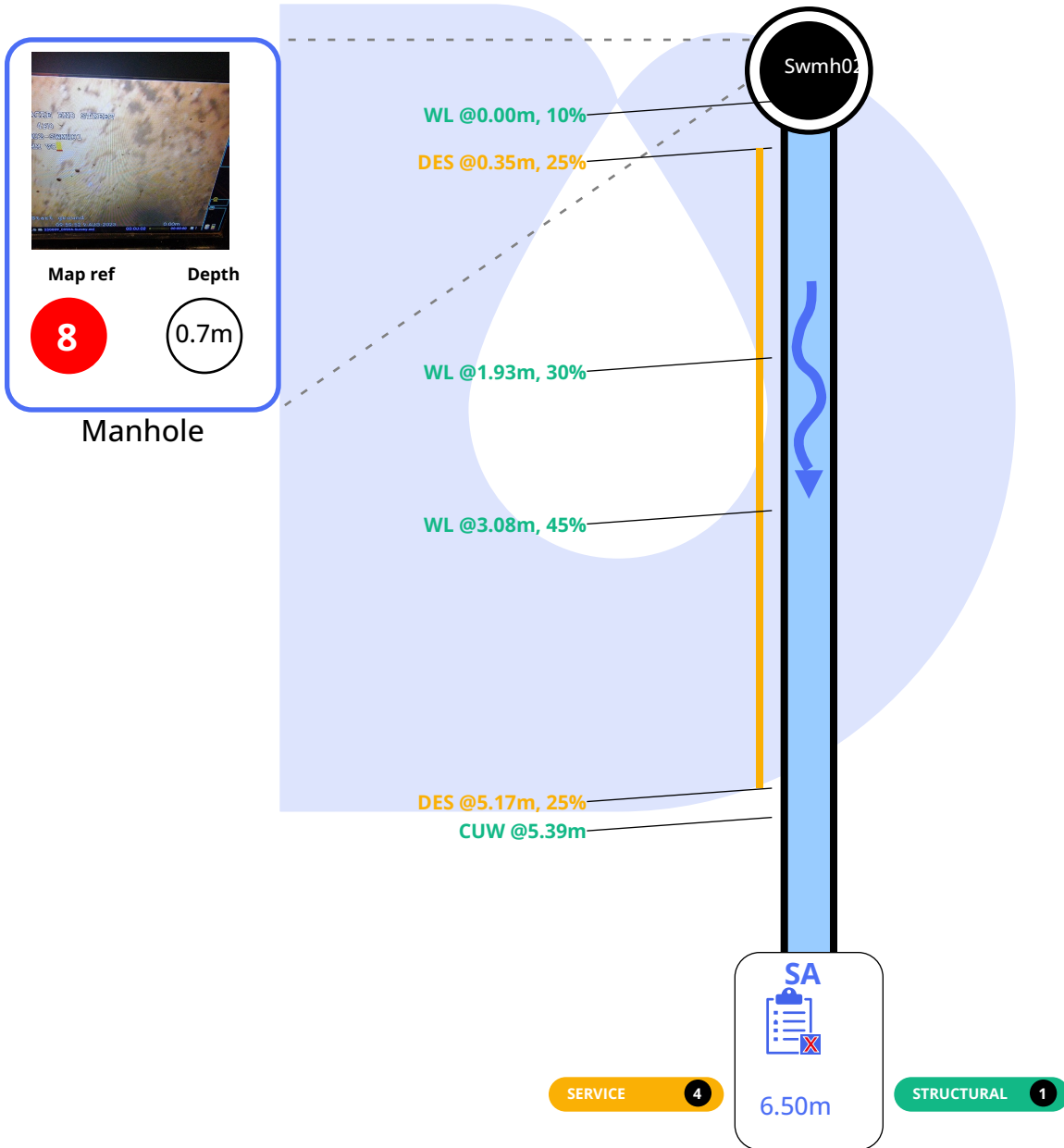
SERVICE

A



Section 7 - At a glance

Length 6.5m	Diameter 150mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Section
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Section 7 - Observations

WL (Water Level)



Distance: 0m
Amount: 10%

STRUCTURAL

A

SERVICE

A

DES (Deposits Fine Settled)



Distance: 0.35m
Cross sectional loss: 25%
Continuous: true

STRUCTURAL

A

SERVICE

B

WL (Water Level)



Distance: 1.93m
Amount: 30%

STRUCTURAL

A

SERVICE

A

WL (Water Level)



Distance: 3.08m
Amount: 45%

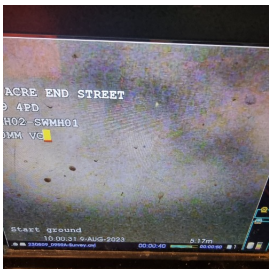
STRUCTURAL

A

SERVICE

A

DES (Deposits Fine Settled)



Distance: 5.17m
Cross sectional loss: 25%
Continuous: true

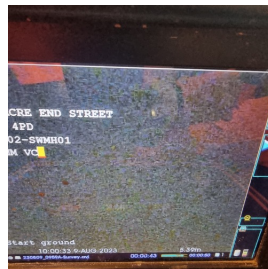
STRUCTURAL

A

SERVICE

B

CUW (Loss of Vision - Water)



Distance: 5.39m

STRUCTURAL

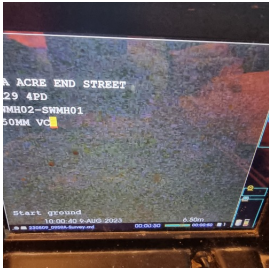
A

SERVICE

A



SA (Survey Abandoned)



Distance: 6.5m
Remarks: Heavy silt n water levels. Ds mains partially blocked.

STRUCTURAL

A

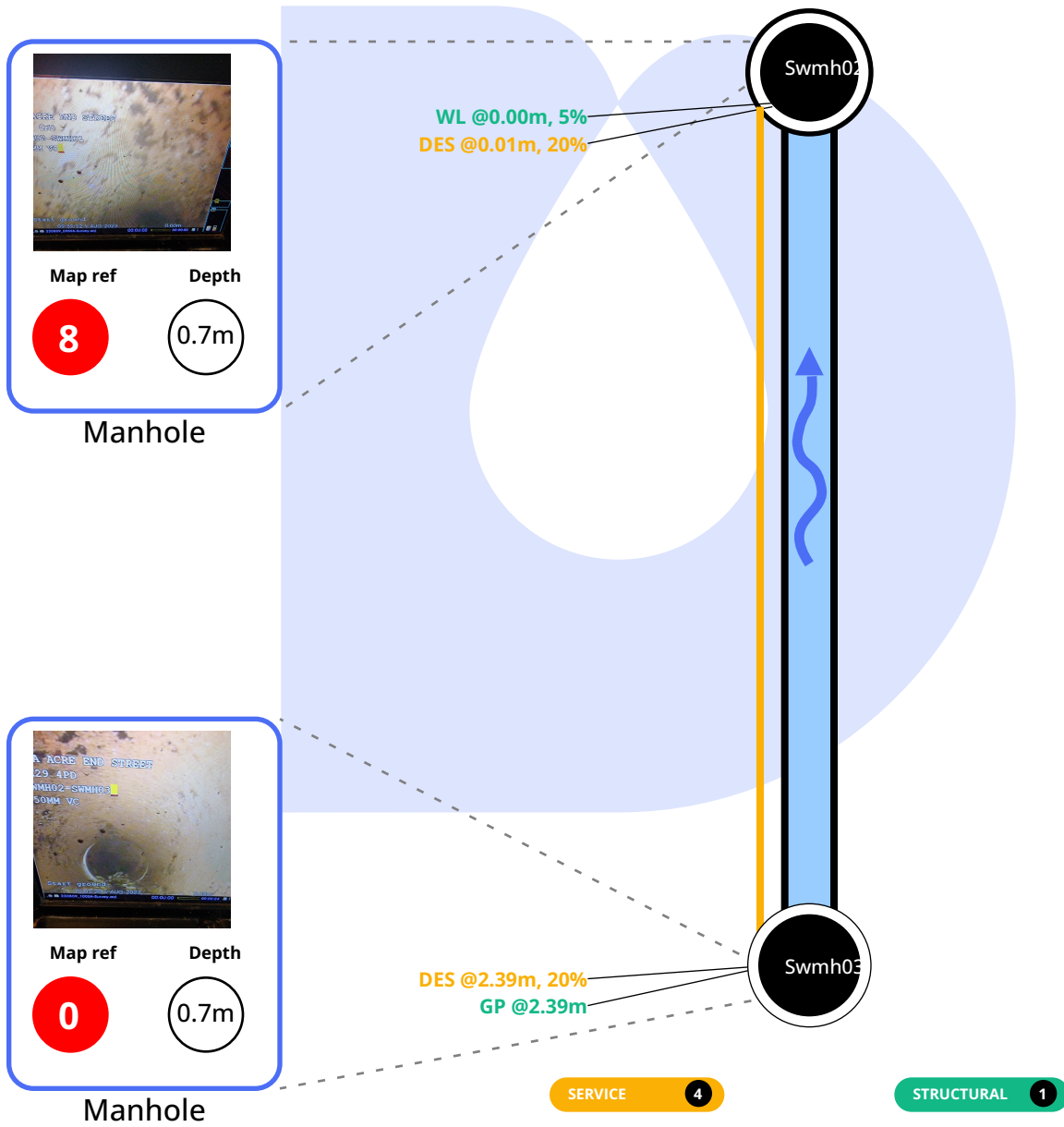
SERVICE

A



Section 8 - At a glance

Length 2.39m	Diameter 150mm	Use Foul	Material Vitrified Clay	Shape Circular	Pipe type Section
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Section 8 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

STRUCTURAL

A

SERVICE

A

DES (Deposits Fine Settled)



Distance: 0.01m
Cross sectional loss: 20%
Continuous: true

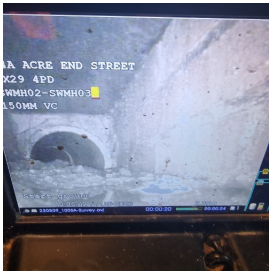
STRUCTURAL

A

SERVICE

B

DES (Deposits Fine Settled)



Distance: 2.39m
Cross sectional loss: 20%
Continuous: true

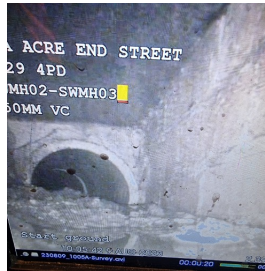
STRUCTURAL

A

SERVICE

B

finish



Distance: 2.39m

STRUCTURAL

A

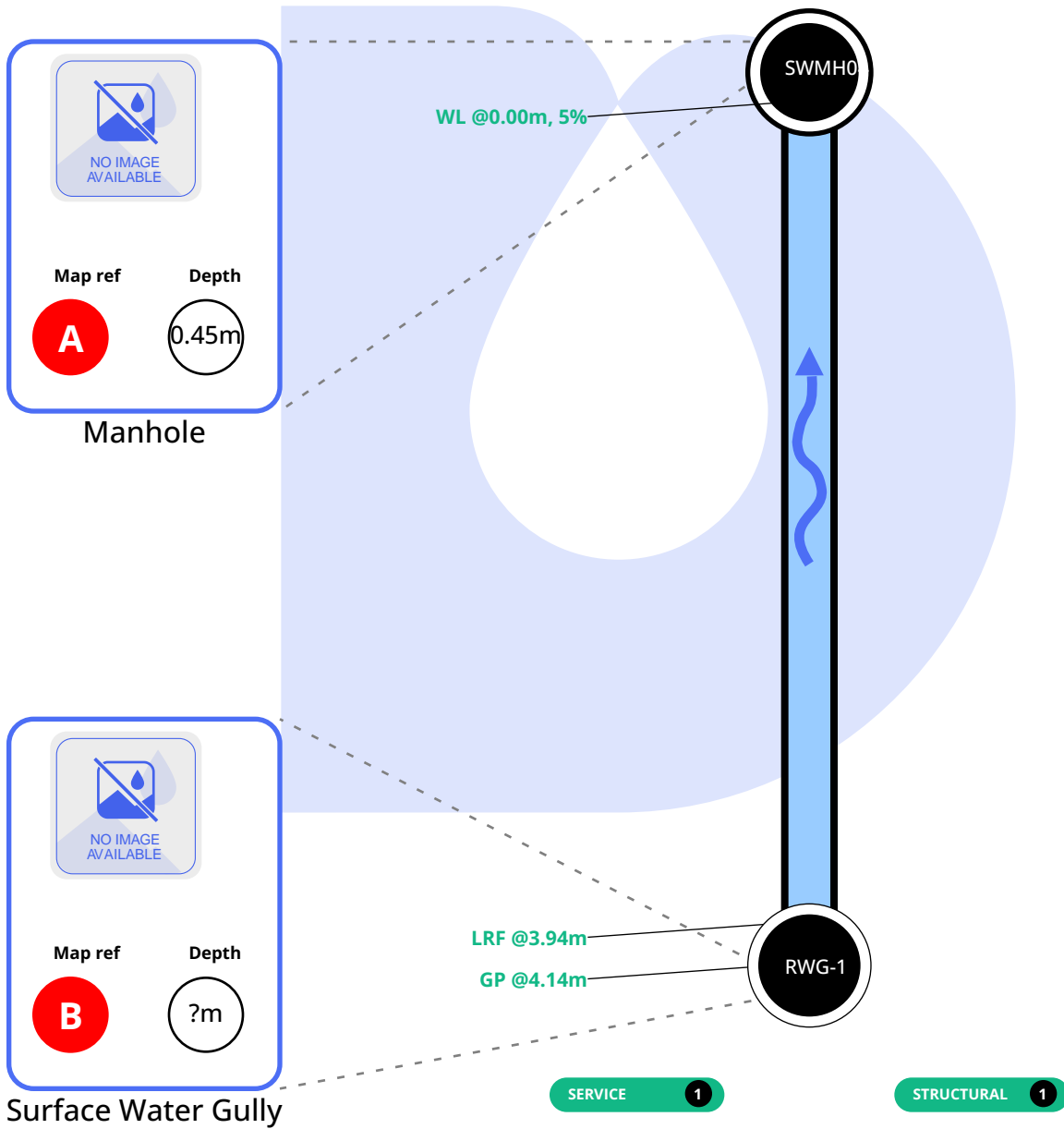
SERVICE

A



Section 9 - At a glance

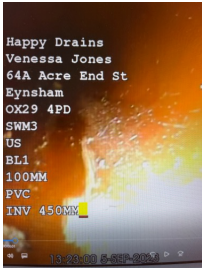
Length 4.14m	Diameter 100mm	Use Surface Water	Material Polyvinyl Chloride	Shape Circular	Pipe type Section
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Section 9 - Observations

WL (Water Level)

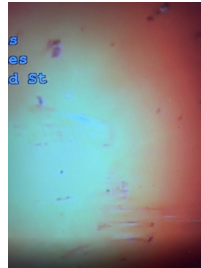


Distance: 0m
Amount: 5%

STRUCTURAL **A**

SERVICE **A**

LRF (Line Deviates Right Full)



Distance: 3.94m

STRUCTURAL **A**

SERVICE **A**

finish



Distance: 4.14m

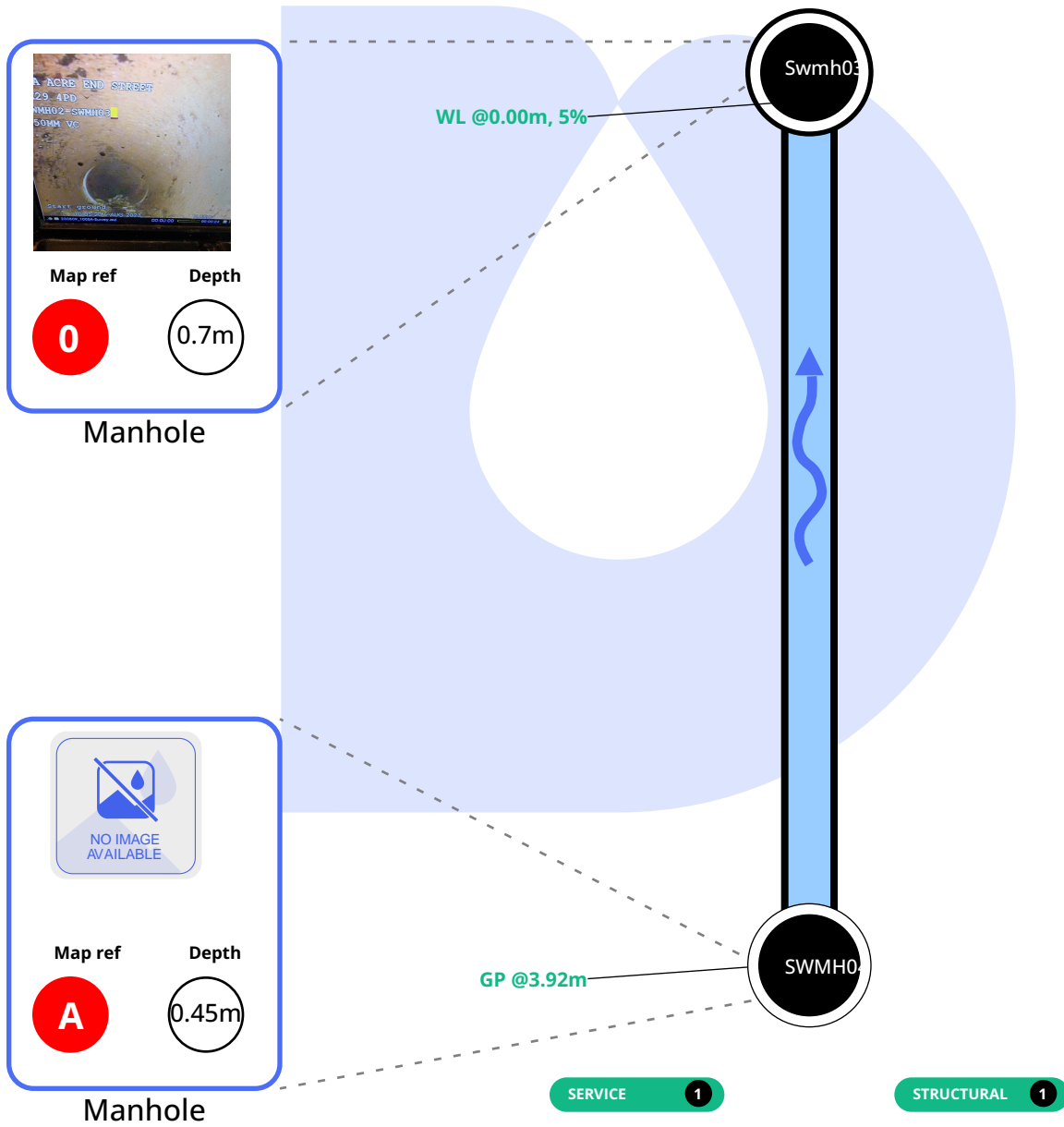
STRUCTURAL **A**

SERVICE **A**



Section 10 - At a glance

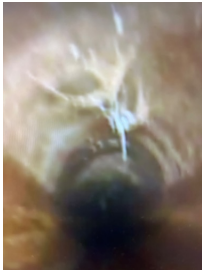
Length 3.92m	Diameter 100mm	Use Surface Water	Material Vitrified Clay	Shape Circular	Pipe type Section
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Section 10 - Observations

WL (Water Level)



Distance: 0m
Amount: 5%

STRUCTURAL **A**

SERVICE **A**

finish



Distance: 3.92m

STRUCTURAL **A**

SERVICE **A**



Disclaimer

The results in this report are considered the views of the suitably qualified engineer(s) you have employed to undertake the investigation. These findings are of on the day and time of the work.

This software has to be used by a qualified operative following the formal drainage standards of that specific geo-locations.

Visual investigations are an inspection of inside a drain/pie/sewer or conduit. CCTV drainage engineers are generally not qualified to comment other than pipe condition. They can only suggest required remedial actions appropriate for the pipes surveyed and not the structural integrity of a building.

A CCTV drainage survey is only part of a greater investigation of ground movement. Subsidence, for example, is a structural building issue which can have multiple causes


Pressure testing may be appropriate in certain cases, and you should be guided by a qualified professional, such as a structural engineer of the equivalent in your area.

If you have a specific requirement, please specify the data to capture any tolerances, and if possible, we will meet those requirements.

Where coordinates form part of this report, they may be of limited accuracy. A qualified technician can achieve pinpoint accuracy using 'Sonde and Trace' precision spotting techniques for record purposes or before excavations and installations.




B



Broken

Pieces of pipe have moved. A clock reference is given for affected areas.

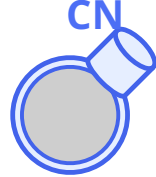
CC, CL, CM, CR



Cracks

Breaks in the line that are not visible open. A clock reference is given when appropriate.

CN



Connections

A lateral pipe has been connected after construction. Clock reference and diameter are given.

CX(I)



Defective Connection (Intruding)

Defective by intrusion or damage due to factors including: cracks, fractures, obstruction, position etc. Clock reference and diameter are given.

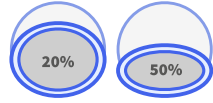
CU



Loss of vision

Lens of camera is obscured by debris, water etc. Operator is unable to see drain clearly. 'W' can be added if loss of vision is due to water


D



Deformed

Pipe has lost its structure. Described by percentage loss of height or width. Recorded in 5% increments


DEE



Deposits Encrustation

Attached scale deposits evident. Described by clock referenced position and percentage loss of cross-sectional area (5% increments)

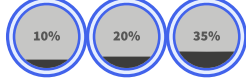
DEG



Deposits Grease

Attached grease deposits evident. Described by clock referenced position and percentage loss of cross-sectional area (5% increments)

DER, DES



Deposits coarse/fine

Settled deposits on the invert of the pipe. Described by percentage loss of height or diameter. Recorded in 5% increments.



FC, FL, FM, FR



Fractures

Fractures are visibly open. Pieces of pipe have not moved. Clock reference provided for longitudinal, radiating cracks only one clock reference

H



Holes

Section of pipe fabric is missing. Defined by clock reference location. Normally two clock references

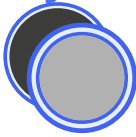
I



Infiltration

Water is infiltrating, normally via a joint but could be another defect. Can be described in remarks using terms such as Seeper, Dripper and Runner

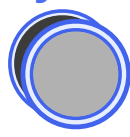
JDL



Joint displaced large

Pipe has moved at joint, perpendicular to axis of pipe. More than 1.5 times the pipe wall thickness must be visible

JDM



Joint displaced medium

Pipe has moved at joint, perpendicular to axis of pipe. Between 1 and 1.5 times the pipe wall thickness must be visible.

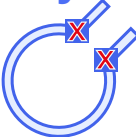
JN



Junction

Lateral pipe was installed at construction. Described by clock reference position and diameter

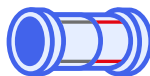
JX



Defective junction

Lateral pipe installed at construction but is defective. Joint can be defective due to factors including: cracks, fractures, obstruction, position etc

LC



Lining change

If the drain is lined, the lining material has changed. Position of lining material change

LD, LU, LL, LR



Line deviation

LD (Line Down), LU (Line Up), LL (Line Left), LR (Line Right). Unrelated to CIPP lining. Additional modifiers are: Q = Quarter (22.5), H = Half (45), F = Full (90).



MC



Material change

The pipe material has changed. Position of change is noted. Type of material change can be defined

OB



Obstruction/Obstacle

An obstruction or obstacle is affecting the flow through the pipe. Described in percentage loss of cross-sectional area

OJL



Open joint large

Pipe has moved at joint, along the axis of pipe. More than 1.5 times the pipe wall thickness must be visible.

OJM



Open joint medium

Pipe has moved at joint, along the axis of pipe. Between 1 and 1.5 times the pipe wall thickness must be visible

PC



Pipe length changes

Length of individual pipe changes. New length described at this position

R



Roots

Evidence of root ingress. Roots will normally infiltrate via bad joints, cracks, fractures, breaks etc

REM



Remark

General remark. Used for additional information.

S



Surface damage

This might include corrosion, spalling and chemical attack. Position only. Additional information can be added in Remarks

SA



Survey abandoned

Used when a survey cannot continue for any reason. The reason for abandoning a survey should be noted in the remarks area



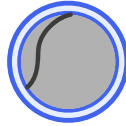
SC



Shape changes

Dimension of drain changes. Diameter dimension change recorded. Second dimension is recorded for no circular pipe changes.

SR



Sealing ring

Sealing ring intrudes into pipe at joint. Described by clock reference position

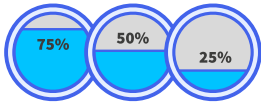
V



Vermin

Evidence of Vermin in pipe. Can also be used for evidence within manhole etc

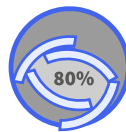
WL



Water level

Changes in water level. Shown at the beginning of every survey, if dry noted as 00. Described by percentage of height or diameter. Recorded in 5%

XP



Collapsed

Complete loss of structural integrity followed by SA. Cross-sectional loss % is recorded. Other related structural defects are not recorded