

Project**Project Name:** ARRIVA ST HELENS JN-CW-7734**Project Date:** 01/07/2025**Inspection Standard:** MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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Project Information

Project Name
ARRIVA ST HELENS JN-CW-7734**Project Number****Project Date**
01/07/2025

Contractor

Company: OCTANE DRAIN CARE
Street: PEACE STREET
Town or City: BRADFORD
Post Code: BD4 8UF



Scoring Summary

Project Name
ARRIVA ST HELENS JN-CW-7734

Project Number

Project Date
01/07/2025

Structural Defects

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

| Section | PLR | Grade | Description |
|---------|--------|-------|--|
| 3 | F5X | 3 | Fracture, circumferential from 7 o'clock to 11 o'clock |
| 6 | F7X | 4 | Broken pipe at joint from 5 o'clock to 7 o'clock |
| 7 | F8X | 4 | Fracture, spiral from 7 o'clock to 8 o'clock |
| 8 | F3X | 3 | Multiple defects |
| 16 | CP1X | 4 | Multiple defects |
| 24 | S1.13X | 3 | Multiple defects |
| 26 | S1.11X | 3 | Multiple defects |
| 37 | F2X | 3 | Multiple defects |

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 |
|---------|--------|-------|---|
| 5 | F6.AX | 4 | Settled deposits, hard or compacted, 60% cross-sectional area loss |
| 6 | F7X | 3 | Multiple defects |
| 7 | F8X | 2 | Multiple defects |
| 8 | F3X | 4 | Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 35% cross-sectional area loss |
| 20 | F11.BX | 3 | Attached deposits, other from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish |
| 24 | S1.13X | 2 | Multiple defects |
| 26 | S1.11X | 2 | Multiple defects |
| 28 | BWX | 4 | Joint displaced, large |
| 30 | S1.6X | 4 | Multiple defects |
| 33 | S1.8X | 3 | Settled deposits, hard or compacted, 15% cross-sectional area loss |
| 37 | F2X | 2 | Multiple defects |

Abandoned Surveys

Scoring Summary

Project Name
ARRIVA ST HELENS JN-CW-7734**Project Number****Project Date**
01/07/2025

| Section | PLR | Description |
|---------|--------|------------------|
| 5 | F6.AX | Survey abandoned |
| 8 | F3X | Survey abandoned |
| 26 | S1.11X | Survey abandoned |
| 27 | S1.11X | Survey abandoned |
| 29 | F3X | Survey abandoned |

Information

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

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
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| | |
|--|----------|
| Number of sections | 36 |
| Total length of sections | 704.11 m |
| Total length of inspected sections | 691.91 m |
| Total length of not inspected sections | 12.20 m |
| Number of abandoned inspections | 5 |
| Number of section inspection photos | 30 |
| Number of section inspection videos | 36 |
| Number of section inspection scans | 0 |
| Number of section inclination measurements | 0 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F4X | Upstream Node: | F4 |
| Inspection Direction: | Upstream | Downstream Node: | F5 |
| Inspected Length: | 25.97 m | Dia/Height: | 150 mm |
| Total Length: | 25.97 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F5 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 25.97 | CPF | Finish node, catchpit, reference: F4 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F5X | Upstream Node: | F5 |
| Inspection Direction: | Upstream | Downstream Node: | F6 |
| Inspected Length: | 44.00 m | Dia/Height: | 150 mm |
| Total Length: | 44.00 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: F5 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.10 | FC | Fracture, circumferential from 7 o'clock to 11 o'clock |
| 4 | 14.70 | JN | Junction at 10 o'clock, 100mm dia |
| 5 | 44.00 | MHF | Finish node, manhole, reference: F6 |

| | | | |
|------------------------------|------------|-------------------------|----------------|
| PLR: | F6X | Upstream Node: | F6 |
| Inspection Direction: | Downstream | Downstream Node: | F7 |
| Inspected Length: | 24.30 m | Dia/Height: | 150 mm |
| Total Length: | 24.30 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F6 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 15.23 | JN | Junction at 2 o'clock, 100mm dia |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
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| No. | m+ | Code | Observation | | | | | | | | | | | | | | | | |
|---|------------|-------------------------|---|-------------|-------|-----------------------|------|------------------------------|------------|-------------------------|----|--------------------------|---------|--------------------|--------|----------------------|---------|-----------------------|----------------|
| 4 | 18.90 | JN | Junction at 2 o'clock, 100mm dia | | | | | | | | | | | | | | | | |
| 5 | 24.30 | MHF | Finish node, manhole, reference: F7 | | | | | | | | | | | | | | | | |
| <table> <tr> <td>PLR:</td><td>F6.AX</td><td>Upstream Node:</td><td>F6.A</td></tr> <tr> <td>Inspection Direction:</td><td>Upstream</td><td>Downstream Node:</td><td>F6</td></tr> <tr> <td>Inspected Length:</td><td>5.60 m</td><td>Dia/Height:</td><td>150 mm</td></tr> <tr> <td>Total Length:</td><td>2.30 m</td><td>Pipe Material:</td><td>Vitrified clay</td></tr> </table> | | | | PLR: | F6.AX | Upstream Node: | F6.A | Inspection Direction: | Upstream | Downstream Node: | F6 | Inspected Length: | 5.60 m | Dia/Height: | 150 mm | Total Length: | 2.30 m | Pipe Material: | Vitrified clay |
| PLR: | F6.AX | Upstream Node: | F6.A | | | | | | | | | | | | | | | | |
| Inspection Direction: | Upstream | Downstream Node: | F6 | | | | | | | | | | | | | | | | |
| Inspected Length: | 5.60 m | Dia/Height: | 150 mm | | | | | | | | | | | | | | | | |
| Total Length: | 2.30 m | Pipe Material: | Vitrified clay | | | | | | | | | | | | | | | | |
| No. | m+ | Code | Observation | | | | | | | | | | | | | | | | |
| 1 | -3.30 | MH | Start node, manhole, reference: F6 | | | | | | | | | | | | | | | | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | | | | | | | | | | | | | | | | |
| 3 | 2.25 | DEC | Settled deposits, hard or compacted, 60% cross-sectional area loss | | | | | | | | | | | | | | | | |
| 4 | 2.30 | SA | Survey abandoned | | | | | | | | | | | | | | | | |
| <table> <tr> <td>PLR:</td><td>F7X</td><td>Upstream Node:</td><td>F7</td></tr> <tr> <td>Inspection Direction:</td><td>Downstream</td><td>Downstream Node:</td><td>X</td></tr> <tr> <td>Inspected Length:</td><td>68.90 m</td><td>Dia/Height:</td><td>150 mm</td></tr> <tr> <td>Total Length:</td><td>68.90 m</td><td>Pipe Material:</td><td>Vitrified clay</td></tr> </table> | | | | PLR: | F7X | Upstream Node: | F7 | Inspection Direction: | Downstream | Downstream Node: | X | Inspected Length: | 68.90 m | Dia/Height: | 150 mm | Total Length: | 68.90 m | Pipe Material: | Vitrified clay |
| PLR: | F7X | Upstream Node: | F7 | | | | | | | | | | | | | | | | |
| Inspection Direction: | Downstream | Downstream Node: | X | | | | | | | | | | | | | | | | |
| Inspected Length: | 68.90 m | Dia/Height: | 150 mm | | | | | | | | | | | | | | | | |
| Total Length: | 68.90 m | Pipe Material: | Vitrified clay | | | | | | | | | | | | | | | | |
| No. | m+ | Code | Observation | | | | | | | | | | | | | | | | |
| 1 | 0.00 | MH | Start node, manhole, reference: F7 | | | | | | | | | | | | | | | | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | | | | | | | | | | | | | | | | |
| 3 | 0.90 | DEEJ | Attached deposits, encrustation at joint from 6 o'clock to 4 o'clock, 10% cross-sectional area loss | | | | | | | | | | | | | | | | |
| 4 | 0.90 | FL | Fracture, longitudinal at 9 o'clock | | | | | | | | | | | | | | | | |
| 5 | 0.90 | FL | Fracture, longitudinal at 3 o'clock | | | | | | | | | | | | | | | | |
| 6 | 0.90 | DES | Settled deposits, fine, 10% cross-sectional area loss | | | | | | | | | | | | | | | | |
| 7 | 55.20 | BJ | Broken pipe at joint from 5 o'clock to 7 o'clock | | | | | | | | | | | | | | | | |
| 8 | 55.70 | CC | Crack, circumferential from 2 o'clock to 10 o'clock | | | | | | | | | | | | | | | | |
| 9 | 65.66 | FC | Fracture, circumferential from 7 o'clock to 5 o'clock | | | | | | | | | | | | | | | | |
| 10 | 68.90 | MHF | Finish node, manhole, reference: X | | | | | | | | | | | | | | | | |
| <table> <tr> <td>PLR:</td><td>F8X</td><td>Upstream Node:</td><td>F8</td></tr> <tr> <td>Inspection Direction:</td><td>Upstream</td><td>Downstream Node:</td><td>F7</td></tr> <tr> <td>Inspected Length:</td><td>22.80 m</td><td>Dia/Height:</td><td>150 mm</td></tr> <tr> <td>Total Length:</td><td>22.80 m</td><td>Pipe Material:</td><td>Vitrified clay</td></tr> </table> | | | | PLR: | F8X | Upstream Node: | F8 | Inspection Direction: | Upstream | Downstream Node: | F7 | Inspected Length: | 22.80 m | Dia/Height: | 150 mm | Total Length: | 22.80 m | Pipe Material: | Vitrified clay |
| PLR: | F8X | Upstream Node: | F8 | | | | | | | | | | | | | | | | |
| Inspection Direction: | Upstream | Downstream Node: | F7 | | | | | | | | | | | | | | | | |
| Inspected Length: | 22.80 m | Dia/Height: | 150 mm | | | | | | | | | | | | | | | | |
| Total Length: | 22.80 m | Pipe Material: | Vitrified clay | | | | | | | | | | | | | | | | |
| No. | m+ | Code | Observation | | | | | | | | | | | | | | | | |
| 1 | 0.00 | MH | Start node, manhole, reference: F7 | | | | | | | | | | | | | | | | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | | | | | | | | | | | | | | | | |
| 3 | 21.31 | FC | Fracture, circumferential from 4 o'clock to 11 o'clock | | | | | | | | | | | | | | | | |
| 4 | 21.57 | FL | Fracture, longitudinal at 6 o'clock | | | | | | | | | | | | | | | | |
| 5 | 21.57 | FS | Fracture, spiral from 7 o'clock to 8 o'clock | | | | | | | | | | | | | | | | |
| 6 | 21.57 | FLJ | Fracture, longitudinal at joint at 12 o'clock | | | | | | | | | | | | | | | | |
| 7 | 22.80 | MHF | Finish node, manhole, reference: F8 | | | | | | | | | | | | | | | | |
| <table> <tr> <td>PLR:</td><td>F3X</td><td>Upstream Node:</td><td>F3</td></tr> <tr> <td>Inspection Direction:</td><td>Downstream</td><td>Downstream Node:</td><td>X</td></tr> <tr> <td>Inspected Length:</td><td>33.28 m</td><td>Dia/Height:</td><td>150 mm</td></tr> <tr> <td>Total Length:</td><td>33.28 m</td><td>Pipe Material:</td><td>Vitrified clay</td></tr> </table> | | | | PLR: | F3X | Upstream Node: | F3 | Inspection Direction: | Downstream | Downstream Node: | X | Inspected Length: | 33.28 m | Dia/Height: | 150 mm | Total Length: | 33.28 m | Pipe Material: | Vitrified clay |
| PLR: | F3X | Upstream Node: | F3 | | | | | | | | | | | | | | | | |
| Inspection Direction: | Downstream | Downstream Node: | X | | | | | | | | | | | | | | | | |
| Inspected Length: | 33.28 m | Dia/Height: | 150 mm | | | | | | | | | | | | | | | | |
| Total Length: | 33.28 m | Pipe Material: | Vitrified clay | | | | | | | | | | | | | | | | |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
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| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F3 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.90 | CC | Crack, circumferential from 9 o'clock to 3 o'clock |
| 4 | 1.68 | FCJ | Fracture, circumferential at joint from 9 o'clock to 3 o'clock |
| 5 | 8.49 | CCJ | Crack, circumferential at joint from 8 o'clock to 12 o'clock |
| 6 | 9.21 | CCJ | Crack, circumferential at joint from 1 o'clock to 4 o'clock |
| 7 | 9.21 | CLJ | Crack, longitudinal at joint at 11 o'clock |
| 8 | 19.03 | DEEJ | Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 10% cross-sectional area loss |
| 9 | 22.67 | DEEJ | Attached deposits, encrustation at joint from 4 o'clock to 8 o'clock, 5% cross-sectional area loss |
| 10 | 26.29 | FCJ | Fracture, circumferential at joint from 11 o'clock to 2 o'clock |
| 11 | 28.75 | DEEJ | Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 10% cross-sectional area loss |
| 12 | 29.89 | DEEJ | Attached deposits, encrustation at joint from 6 o'clock to 8 o'clock, 20% cross-sectional area loss |
| 13 | 32.57 | DEEJ | Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 35% cross-sectional area loss |
| 14 | 33.28 | SA | Survey abandoned |

| | | | |
|------------------------------|----------|-------------------------|--------------------|
| PLR: | FIC1.AX | Upstream Node: | FIC1.A |
| Inspection Direction: | Upstream | Downstream Node: | FIC1 |
| Inspected Length: | 0.90 m | Dia/Height: | 100 mm |
| Total Length: | 0.90 m | Pipe Material: | Polyvinyl chloride |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC1 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.90 | OCF | Finish node, other special chamber, reference: FIC1.A |

| | | | |
|------------------------------|----------|-------------------------|--------------------|
| PLR: | FIC1.BX | Upstream Node: | FIC1.B |
| Inspection Direction: | Upstream | Downstream Node: | FIC1 |
| Inspected Length: | 0.20 m | Dia/Height: | 100 mm |
| Total Length: | 0.20 m | Pipe Material: | Polyvinyl chloride |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC1 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.20 | GYF | Finish node, gully, reference: FIC1.B |

| | | | |
|------------------------------|----------|-------------------------|--------------------|
| PLR: | FIC2.AX | Upstream Node: | FIC2.A |
| Inspection Direction: | Upstream | Downstream Node: | FIC2 |
| Inspected Length: | 0.75 m | Dia/Height: | 100 mm |
| Total Length: | 0.75 m | Pipe Material: | Polyvinyl chloride |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC2 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.60 | LU | Line deviates up |
| 4 | 0.75 | OCF | Finish node, other special chamber, reference: FIC2.A |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
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| | | | | |
|------------------------------|-----------|-------------|---|--------------------|
| PLR: | | FIC2.BX | Upstream Node: | FIC2.B |
| Inspection Direction: | | Upstream | Downstream Node: | FIC2 |
| Inspected Length: | | 0.60 m | Dia/Height: | 100 mm |
| Total Length: | | 0.60 m | Pipe Material: | Polyvinyl chloride |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC2 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.60 | OCF | Finish node, other special chamber, reference: FIC2.B | |
| PLR: | | FIC3X | Upstream Node: | FIC3 |
| Inspection Direction: | | Downstream | Downstream Node: | F2 |
| Inspected Length: | | 17.10 m | Dia/Height: | 100 mm |
| Total Length: | | 17.10 m | Pipe Material: | Polyvinyl chloride |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC3 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 1.80 | WL | Water level, 40% of the vertical dimension | |
| 4 | 2.55 | CUW | Loss of vision, camera under water | |
| 5 | 4.20 | WL | Water level, 30% of the vertical dimension | |
| 6 | 5.25 | WL | Water level, 5% of the vertical dimension | |
| 7 | 17.10 | MHF | Finish node, manhole, reference: F2 | |
| PLR: | | FIC2X | Upstream Node: | FIC2 |
| Inspection Direction: | | Upstream | Downstream Node: | FIC3 |
| Inspected Length: | | 14.85 m | Dia/Height: | 100 mm |
| Total Length: | | 14.85 m | Pipe Material: | Polyvinyl chloride |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC3 | |
| 2 | 6.15 | JN | Junction at 9 o'clock, 100mm dia | |
| 3 | 14.85 | ICF | Finish node, inspection chamber, reference: FIC2 | |
| PLR: | | FIC1X | Upstream Node: | FIC1 |
| Inspection Direction: | | Upstream | Downstream Node: | FIC2 |
| Inspected Length: | | 3.45 m | Dia/Height: | 100 mm |
| Total Length: | | 3.45 m | Pipe Material: | Polyvinyl chloride |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | IC | Start node, inspection chamber, reference: FIC2 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.45 | JN | Junction at 9 o'clock, 100mm dia | |
| 4 | 3.45 | ICF | Finish node, inspection chamber, reference: FIC1 | |
| PLR: | | CP1X | Upstream Node: | CP1 |
| Inspection Direction: | | Downstream | Downstream Node: | X |
| Inspected Length: | | 13.35 m | Dia/Height: | 100 mm |
| Total Length: | | 13.35 m | Pipe Material: | Vitrified clay |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | CP | Start node, catchpit, reference: CP1 | |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
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| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 3.30 | LD | Line deviates down |
| 4 | 7.35 | JN | Junction at 10 o'clock, 100mm dia |
| 5 | 7.95 | BJ | Broken pipe at joint from 5 o'clock to 8 o'clock |
| 6 | 7.95 | CCJ | Crack, circumferential at joint from 10 o'clock to 2 o'clock |
| 7 | 12.90 | LD | Line deviates down |
| 8 | 12.90 | FM | Fractures, multiple from 12 o'clock to 12 o'clock |
| 9 | 13.35 | BRF | Finish node, major connection without manhole, reference: X |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F10X | Upstream Node: | F10 |
| Inspection Direction: | Upstream | Downstream Node: | F9 |
| Inspected Length: | 13.35 m | Dia/Height: | 150 mm |
| Total Length: | 13.35 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: F9 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 11.40 | WL | Water level, 15% of the vertical dimension |
| 4 | 13.35 | MHF | Finish node, manhole, reference: F10 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F10.BX | Upstream Node: | F10.B |
| Inspection Direction: | Upstream | Downstream Node: | F10 |
| Inspected Length: | 23.25 m | Dia/Height: | 150 mm |
| Total Length: | 23.25 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F10 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 23.25 | MHF | Finish node, manhole, reference: F10.B |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F11X | Upstream Node: | F11 |
| Inspection Direction: | Upstream | Downstream Node: | F10 |
| Inspected Length: | 21.60 m | Dia/Height: | 150 mm |
| Total Length: | 21.60 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F10 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 21.60 | MHF | Finish node, manhole, reference: F11 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F11.BX | Upstream Node: | F11.B |
| Inspection Direction: | Upstream | Downstream Node: | F11 |
| Inspected Length: | 9.60 m | Dia/Height: | 150 mm |
| Total Length: | 9.60 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F11 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.00 | DEZ | Attached deposits, other from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start |
| 4 | 0.15 | LL | Line deviates left |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
|--|-----------------------|-----------------------------------|

| No. | m+ | Code | Observation |
|-----|------|------|--|
| 5 | 8.70 | DEZ | Attached deposits, other from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish |
| 6 | 9.15 | LR | Line deviates right |
| 7 | 9.15 | LU | Line deviates up |
| 8 | 9.60 | LL | Line deviates left |
| 9 | 9.60 | GYF | Finish node, gully, reference: F11.B |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F11.CX | Upstream Node: | F11.C |
| Inspection Direction: | Upstream | Downstream Node: | F11 |
| Inspected Length: | 8.25 m | Dia/Height: | 150 mm |
| Total Length: | 8.25 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: F11 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.30 | LL | Line deviates left |
| 4 | 6.30 | JN | Junction at 3 o'clock, 150mm dia |
| 5 | 7.35 | LU | Line deviates up |
| 6 | 8.25 | OCF | Finish node, other special chamber, reference: F11.C |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F12X | Upstream Node: | F12 |
| Inspection Direction: | Upstream | Downstream Node: | F11 |
| Inspected Length: | 8.85 m | Dia/Height: | 150 mm |
| Total Length: | 8.85 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F11 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 8.85 | CPF | Finish node, catchpit, reference: F12 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F12.AX | Upstream Node: | F12.A |
| Inspection Direction: | Upstream | Downstream Node: | F12 |
| Inspected Length: | 4.50 m | Dia/Height: | 100 mm |
| Total Length: | 4.50 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|--|
| 1 | 0.00 | CP | Start node, catchpit, reference: F12 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.75 | LU | Line deviates up |
| 4 | 3.75 | LR | Line deviates right |
| 5 | 4.50 | OCF | Finish node, other special chamber, reference: F12.A |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | S1.13X | Upstream Node: | S1.13 |
| Inspection Direction: | Upstream | Downstream Node: | S1.11 |
| Inspected Length: | 61.50 m | Dia/Height: | 150 mm |
| Total Length: | 61.50 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|---------------------------------------|
| 1 | 0.00 | MH | Start node, manhole, reference: S1.11 |
| 2 | 1.64 | JN | Junction at 1 o'clock, 100mm dia |
| 3 | 5.98 | JN | Junction at 12 o'clock, 100mm dia |

Section Summary

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|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
|--|-----------------------|-----------------------------------|

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 4 | 9.76 | FL | Fracture, longitudinal at 6 o'clock |
| 5 | 9.77 | FL | Fracture, longitudinal at 7 o'clock |
| 6 | 12.78 | JN | Junction at 1 o'clock, 100mm dia |
| 7 | 19.49 | JN | Junction at 1 o'clock, 100mm dia |
| 8 | 26.30 | JN | Junction at 1 o'clock, 100mm dia |
| 9 | 26.61 | FCJ | Fracture, circumferential at joint from 2 o'clock to 9 o'clock |
| 10 | 33.08 | JN | Junction at 1 o'clock, 100mm dia |
| 11 | 39.96 | JN | Junction at 1 o'clock, 100mm dia |
| 12 | 46.69 | JN | Junction at 1 o'clock, 100mm dia |
| 13 | 53.44 | JN | Junction at 1 o'clock, 100mm dia |
| 14 | 54.72 | FC | Fracture, circumferential from 9 o'clock to 5 o'clock |
| 15 | 57.33 | FCJ | Fracture, circumferential at joint from 5 o'clock to 2 o'clock |
| 16 | 58.96 | JN | Junction at 1 o'clock, 100mm dia |
| 17 | 61.50 | MHF | Finish node, manhole, reference: S1.13 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | S1.10X | Upstream Node: | S1.10 |
| Inspection Direction: | Upstream | Downstream Node: | S1.11 |
| Inspected Length: | 14.00 m | Dia/Height: | 150 mm |
| Total Length: | 14.00 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: S1.11 |
| 2 | 14.00 | MHF | Finish node, manhole, reference: S1.10 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | S1.11X | Upstream Node: | S1.11 |
| Inspection Direction: | Upstream | Downstream Node: | OS3A |
| Inspected Length: | 59.90 m | Dia/Height: | 150 mm |
| Total Length: | 59.90 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: OS3A |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 23.07 | CXB | Connection defective, connecting pipe is blocked at 2 o'clock, 100mm dia |
| 4 | 31.62 | FL | Fracture, longitudinal at 2 o'clock |
| 5 | 31.62 | FL | Fracture, longitudinal at 10 o'clock |
| 6 | 43.84 | JN | Junction at 1 o'clock, 100mm dia |
| 7 | 47.70 | SA | Survey abandoned |
| 8 | 59.90 | MHF | Finish node, manhole, reference: S1.11 |

| | | | |
|------------------------------|------------|-------------------------|----------------|
| PLR: | S1.11X | Upstream Node: | S1.11 |
| Inspection Direction: | Downstream | Downstream Node: | OS3A |
| Inspected Length: | 14.50 m | Dia/Height: | 150 mm |
| Total Length: | 14.50 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: S1.11 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.00 | WL | Water level, 5% of the vertical dimension |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
|--|-----------------------|-----------------------------------|

| No. | m+ | Code | Observation |
|-----|-------|------|-----------------------------------|
| 4 | 14.50 | JN | Junction at 11 o'clock, 100mm dia |
| 5 | 14.50 | SA | Survey abandoned |

| | | | |
|------------------------------|------------|-------------------------|----------------|
| PLR: | BWX | Upstream Node: | BW |
| Inspection Direction: | Downstream | Downstream Node: | X |
| Inspected Length: | 2.06 m | Dia/Height: | 100 mm |
| Total Length: | 2.06 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|---|
| 1 | 0.00 | CP | Start node, catchpit, reference: BW |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.66 | JDL | Joint displaced, large |
| 4 | 0.66 | LD | Line deviates down |
| 5 | 2.06 | BRF | Finish node, major connection without manhole, reference: X |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F3X | Upstream Node: | F3 |
| Inspection Direction: | Upstream | Downstream Node: | CW1 |
| Inspected Length: | 0.10 m | Dia/Height: | 150 mm |
| Total Length: | 0.10 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: CW1 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 0.00 | DEE | Attached deposits, encrustation from 12 o'clock to 12 o'clock, 20% cross-sectional area loss |
| 4 | 0.10 | SA | Survey abandoned |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | S1.6X | Upstream Node: | S1.6 |
| Inspection Direction: | Upstream | Downstream Node: | S1.7 |
| Inspected Length: | 45.60 m | Dia/Height: | 150 mm |
| Total Length: | 45.60 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | MH | Start node, manhole, reference: S1.7 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 34.93 | DEC | Settled deposits, hard or compacted, 20% cross-sectional area loss |
| 4 | 38.55 | DEC | Settled deposits, hard or compacted, 15% cross-sectional area loss |
| 5 | 39.74 | DEC | Settled deposits, hard or compacted, 20% cross-sectional area loss |
| 6 | 45.60 | MHF | Finish node, manhole, reference: S1.6 |

| | | | |
|------------------------------|------------|-------------------------|----------------|
| PLR: | S1.7X | Upstream Node: | S1.7 |
| Inspection Direction: | Downstream | Downstream Node: | S1.8 |
| Inspected Length: | 42.70 m | Dia/Height: | 150 mm |
| Total Length: | 42.70 m | Pipe Material: | Vitrified clay |

| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: S1.7 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 42.70 | MHF | Finish node, manhole, reference: S1.8 |

Section Summary

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|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
|--|-----------------------|-----------------------------------|

| | | | | |
|------------------------------|-----------|-------------|--|----------------|
| PLR: | | S1.7AX | Upstream Node: | S1.7A |
| Inspection Direction: | | Upstream | Downstream Node: | S1.7 |
| Inspected Length: | | 10.80 m | Dia/Height: | 150 mm |
| Total Length: | | 10.80 m | Pipe Material: | Vitrified clay |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | MH | Start node, manhole, reference: S1.7 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.38 | LL | Line deviates left | |
| 4 | 7.09 | LL | Line deviates left | |
| 5 | 10.80 | GYF | Finish node, gully, reference: S1.7A | |
| PLR: | | S1.8X | Upstream Node: | S1.8 |
| Inspection Direction: | | Downstream | Downstream Node: | S1.9 |
| Inspected Length: | | 18.50 m | Dia/Height: | 225 mm |
| Total Length: | | 18.50 m | Pipe Material: | Vitrified clay |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | MH | Start node, manhole, reference: S1.8 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.54 | DEC | Settled deposits, hard or compacted, 15% cross-sectional area loss | |
| 4 | 18.50 | CPF | Finish node, catchpit, reference: S1.9 | |
| PLR: | | S1.6AX | Upstream Node: | S1.6A |
| Inspection Direction: | | Upstream | Downstream Node: | S1.6 |
| Inspected Length: | | 1.40 m | Dia/Height: | 150 mm |
| Total Length: | | 1.40 m | Pipe Material: | Vitrified clay |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | MH | Start node, manhole, reference: S1.6 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.37 | LL | Line deviates left | |
| 4 | 1.40 | GYF | Finish node, gully, reference: S1.6A | |
| PLR: | | S1.5AX | Upstream Node: | S1.5A |
| Inspection Direction: | | Upstream | Downstream Node: | S1.5 |
| Inspected Length: | | 10.90 m | Dia/Height: | 150 mm |
| Total Length: | | 10.90 m | Pipe Material: | Vitrified clay |
| No. | m+ | Code | Observation | |
| 1 | 0.00 | CP | Start node, catchpit, reference: S1.5 | |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension | |
| 3 | 0.29 | LL | Line deviates left | |
| 4 | 10.00 | LR | Line deviates right | |
| 5 | 10.90 | GYF | Finish node, gully, reference: S1.5A | |
| PLR: | | S1.5X | Upstream Node: | S1.5 |
| Inspection Direction: | | Downstream | Downstream Node: | OS1 |
| Inspected Length: | | 16.90 m | Dia/Height: | 300 mm |
| Total Length: | | 16.90 m | Pipe Material: | Vitrified clay |

Section Summary

| | | |
|--|-----------------------|-----------------------------------|
| Project Name ARRIVA ST HELENS JN-CW-7734 | Project Number | Project Date 01/07/2025 |
|--|-----------------------|-----------------------------------|

| No. | m+ | Code | Observation |
|-----|-------|------|--|
| 1 | 0.00 | CP | Start node, catchpit, reference: S1.5 |
| 2 | 0.00 | WL | Water level, 10% of the vertical dimension |
| 3 | 16.90 | OSF | Finish node, oil separator, reference: OS1 |

| | | | |
|------------------------------|----------|-------------------------|----------------|
| PLR: | F2X | Upstream Node: | F2 |
| Inspection Direction: | Upstream | Downstream Node: | F3 |
| Inspected Length: | 43.10 m | Dia/Height: | 150 mm |
| Total Length: | 43.10 m | Pipe Material: | Vitrified clay |

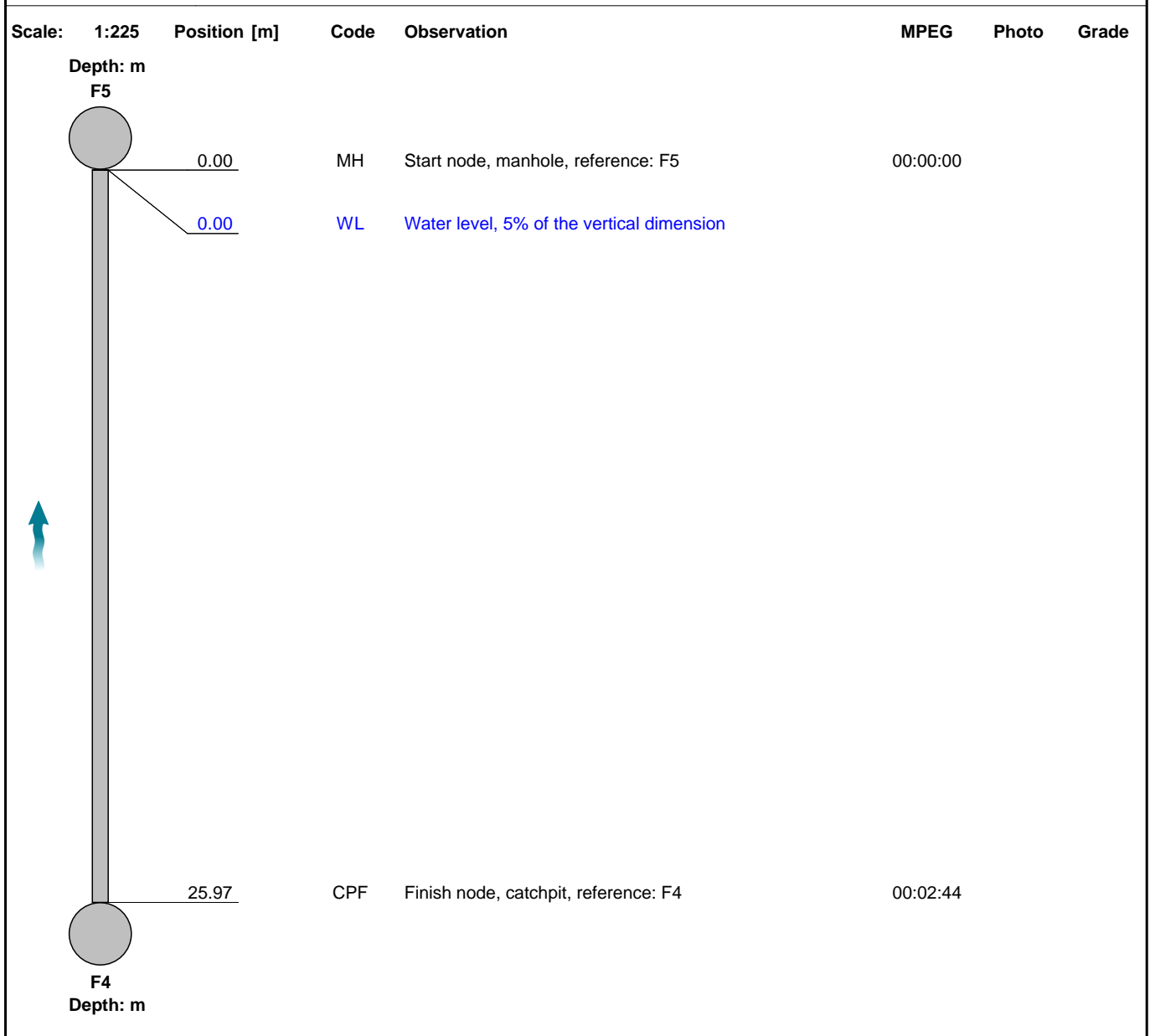
| No. | m+ | Code | Observation |
|-----|-------|------|---|
| 1 | 0.00 | MH | Start node, manhole, reference: F3 |
| 2 | 0.00 | WL | Water level, 5% of the vertical dimension |
| 3 | 3.68 | FCJ | Fracture, circumferential at joint from 2 o'clock to 10 o'clock |
| 4 | 3.68 | FLJ | Fracture, longitudinal at joint at 3 o'clock |
| 5 | 3.68 | FLJ | Fracture, longitudinal at joint at 8 o'clock |
| 6 | 11.55 | FCJ | Fracture, circumferential at joint from 7 o'clock to 12 o'clock |
| 7 | 36.09 | JN | Junction at 12 o'clock, 150mm dia |
| 8 | 43.10 | MHF | Finish node, manhole, reference: F2 |

Section Inspection - 01/07/2025 - F4X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 2 | 1 | 01/07/25 | 11:30 | Not Specified | No Rain Or Snow | Not Specified | F4X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F4 |
| Road: | Jackson Street | Inspected Length: | 25.97 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 25.97 m | Downstream Node: | F5 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | Dia/Height: | 150 mm |
| Type of Pipe: | Gravity drain/sewer | Pipe Material: | Vitrified clay | Lining Type: | No Lining |
| Flow Control: | No flow control | Lining Material: | No Lining | | |
| Year Constructed: | Not Specified | | | | |
| Inspection Purpose: | | | | | |

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 - 01/07/2025 - F5X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 3 | 1 | 01/07/25 | 11:59 | Not Specified | No Rain Or Snow | Not Specified | F5X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F5 |
| Road: | Jackson Street | Inspected Length: | 44.00 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 44.00 m | Downstream Node: | F6 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:381 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|-------------|------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>F6</div> <div>0.00</div> <div>0.00</div> <div>0.10</div> <div>14.70</div> <div>44.00</div> <div>F5</div> <div>Depth: m</div> </div> <div> <div>MH</div> <div>Start node, manhole, reference: F5</div> <div>00:00:00</div> </div> <div> <div>WL</div> <div>Water level, 5% of the vertical dimension</div> <div>00:00:00</div> </div> <div> <div>FC</div> <div>Fracture, circumferential from 7 o'clock to 11 o'clock</div> <div>00:00:09</div> <div>F6X_6f4d1 1eb-525f-4 dc1-817c-</div> <div>3 / 2</div> </div> <div> <div>JN</div> <div>Junction at 10 o'clock, 100mm dia</div> <div>00:01:58</div> </div> <div> <div>MHF</div> <div>Finish node, manhole, reference: F6</div> <div>00:05:28</div> </div> </div> | | | | | | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 1 | 40.0 | 0.9 | 40.0 | 3.0 | 1 | 1.0 | 0.0 | 1.0 | 2.0 |

Section Pictures - 01/07/2025 - F5X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 3 | Upstream | F5X | | |



F6X_6f4d11eb-525f-4dc1-817c-110dd92e14c7_20250701_115932_570.jpg, 00:00:09, 0.10 m
Fracture, circumferential from 7 o'clock to 11 o'clock

Section Inspection - 01/07/2025 - F6X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 4 | 1 | 01/07/25 | 12:08 | Not Specified | No Rain Or Snow | Not Specified | F6X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | F6 |
| Road: | Jackson Street | Inspected Length: | 24.30 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 24.30 m | Downstream Node: | F7 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

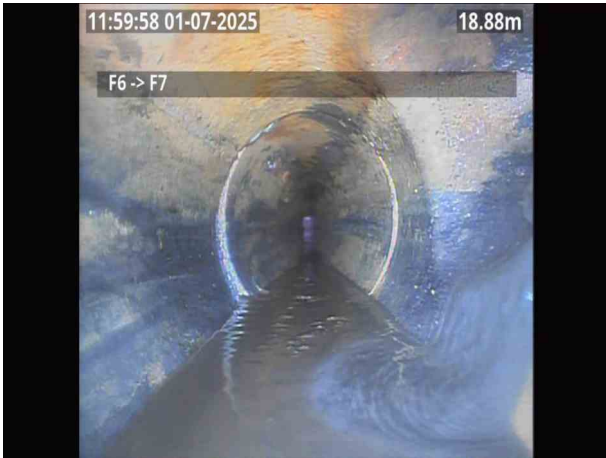
Comments:
Recommendations:

| Scale: | 1:211 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|---|----------|---------------------------------|-------|
| <div> <div>Depth: m</div> <div>F6</div> <div>0.00</div> <div>0.00</div> <div>15.23</div> <div>18.90</div> <div>24.30</div> <div>F7</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: F6 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | | JN | Junction at 2 o'clock, 100mm dia | 00:01:40 | | |
| | | | JN | Junction at 2 o'clock, 100mm dia: OIL SEEPING FROM JUNCTION | 00:02:09 | F6X_5573 d4ed-00ff-41a9-92a9 | |
| | | | MHF | Finish node, manhole, reference: F7: BACK DROP | 00:02:53 | | |

| 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 - 01/07/2025 - F6X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 4 | Downstream | F6X | | |



F6X_5573d4ed-00ff-41a9-92a9-bb417d6eddd2_20250707_10
5757_261.jpg, 00:02:09, 18.90 m
Junction at 2 o'clock, 100mm dia, OIL SEEPING FROM
JUNCTION

Section Inspection - 01/07/2025 - F6.AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 5 | 1 | 01/07/25 | 12:28 | Not Specified | No Rain Or Snow | Not Specified | F6.AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F6.A |
| Road: | Jackson Street | Inspected Length: | 5.60 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 2.30 m | Downstream Node: | F6 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|----------|------|--------------|------|---|----------|-------|-------|
| Depth: m | | -3.30 | MH | Start node, manhole, reference: F6 | 00:00:00 | | |
| F6 | | | | | | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:01 | | |
| | | | | | | | |
| | | 2.25 | DEC | Settled deposits, hard or compacted, 60% cross-sectional area loss: HARD SCALE BUILD UP FROM ACO CONNECTION | 00:00:15 | | 4 |
| | | 2.30 | SA | Survey abandoned: DUE TO HARD DEPOSITS | 00:00:19 | | |
| F6.A | | | | | | | |
| 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 | 1 | 8.0 | 3.5 | 8.0 | 4.0 |

Section Inspection - 01/07/2025 - F7X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 6 | 1 | 01/07/25 | 12:54 | Not Specified | No Rain Or Snow | Not Specified | F7X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | F7 |
| Road: | Jackson Street | Inspected Length: | 68.90 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 68.90 m | Downstream Node: | X |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: 1:597 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|---|------|-------------|----------------------------------|-------|-------|
| <div><div><div>Depth: m</div><div>F7</div><div><div><div>0.00</div><div>0.00</div><div>0.90</div><div>0.90</div><div>0.90</div><div>0.90</div></div><div><div>55.20</div><div>55.70</div><div>65.66</div><div>68.90</div></div><div>X</div><div>Depth: m</div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div></div> | | | | | | |
| MH | Start node, manhole, reference: F7 | | 00:00:00 | | | |
| WL | Water level, 5% of the vertical dimension | | 00:00:00 | | | |
| DEEJ | Attached deposits, encrustation at joint from 6 o'clock to 4 o'clock, 10% cross-sectional area loss | | 00:00:18 | F7X_2ceb b3cf-ce4d-48ab-a9af- | 3 | |
| FL | Fracture, longitudinal at 9 o'clock | | 00:00:25 | | 3 / 2 | |
| FL | Fracture, longitudinal at 3 o'clock | | 00:00:26 | F7X_e866 e143-6df4-4900-a2e6 | 3 / 2 | |
| DES | Settled deposits, fine, 10% cross-sectional area loss: DUE TO BACK JETTING | | 00:00:30 | | 3 | |
| BJ | Broken pipe at joint from 5 o'clock to 7 o'clock | | 00:06:56 | F7X_2b78 a31f-4bd2-423a-b797 | 4 | |
| CC | Crack, circumferential from 2 o'clock to 10 o'clock | | 00:07:25 | F7X_1ef5a f32-a849-4c28-9d9b- | 2 / 2 | |
| FC | Fracture, circumferential from 7 o'clock to 5 o'clock | | 00:08:53 | F7X_9e97 74fc-d7c8-4a71-993b | 3 / 2 | |
| MHF | Finish node, manhole, reference: X: BACK DROP | | 00:09:43 | | | |

| 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 |
| 5 | 80.0 | 3.0 | 210.0 | 4.0 | 6 | 6.0 | 0.1 | 8.0 | 4.0 |

Section Pictures - 01/07/2025 - F7X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 6 | Downstream | F7X | | |



F7X_2cebb3cf-ce4d-48ab-a9af-d0640c6c402a_20250701_125518_818.jpg, 00:00:18, 0.90 m
Attached deposits, encrustation at joint from 6 o'clock to 4 o'clock, 10% cross-sectional area loss



F7X_e866e143-6df4-4900-a2e6-2bbadc6be201_20250701_125533_625.jpg, 00:00:26, 0.90 m
Fracture, longitudinal at 3 o'clock



F7X_2b78a31f-4bd2-423a-b797-2f050bc601a7_20250701_130220_558.jpg, 00:06:56, 55.20 m
Broken pipe at joint from 5 o'clock to 7 o'clock



F7X_1ef5af32-a849-4c28-9d9b-125c606dfdfa_20250707_113330_364.jpg, 00:07:25, 55.70 m
Crack, circumferential from 2 o'clock to 10 o'clock

Section Pictures - 01/07/2025 - F7X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 6 | Downstream | F7X | | |



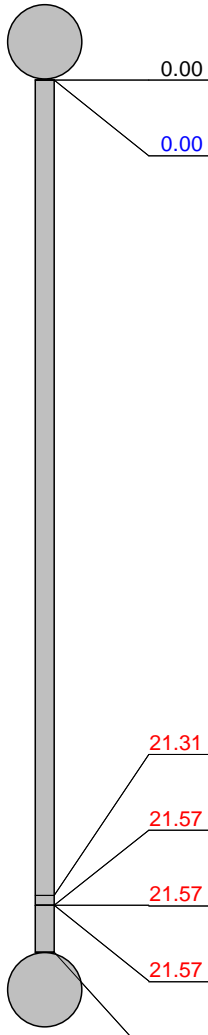
F7X_9e9774fc-d7c8-4a71-993b-95ff7dae50c2_20250707_113
517_940.jpg, 00:08:53, 65.66 m
Fracture, circumferential from 7 o'clock to 5 o'clock

Section Inspection - 01/07/2025 - F8X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 7 | 1 | 01/07/25 | 13:21 | Not Specified | No Rain Or Snow | Not Specified | F8X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F8 |
| Road: | Jackson Street | Inspected Length: | 22.80 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 22.80 m | Downstream Node: | F7 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:198 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|--|----------|--------------------------------------|-------|
| <div> <p>Depth: m</p> <p>F7</p>  </div> | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: F7 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:02 | | |
| | | 21.31 | FC | Fracture, circumferential from 4 o'clock to 11 o'clock | 00:03:07 | F8X_60b6 ea5c-6835 -4b66-8df7 | 3 / 2 |
| | | 21.57 | FL | Fracture, longitudinal at 6 o'clock | 00:03:10 | F8X_bccc a670-a999 -44fb-9e4f- | 3 / 2 |
| | | 21.57 | FS | Fracture, spiral from 7 o'clock to 8 o'clock | 00:03:10 | F8X_5d12 dc2e-1556 -44b6-b0f8 | 4 / 2 |
| | | 21.57 | FLJ | Fracture, longitudinal at joint at 12 o'clock | 00:03:10 | | 3 / 2 |
| | | 22.80 | MHF | Finish node, manhole, reference: F8 | 00:03:23 | | |
| | | Depth: m | | | | | |

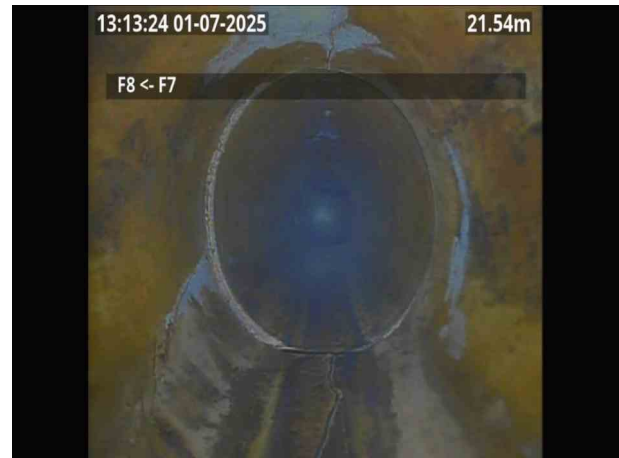
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 4 | 200.0 | 8.8 | 200.0 | 4.0 | 4 | 4.0 | 0.2 | 4.0 | 3.0 |

Section Pictures - 01/07/2025 - F8X

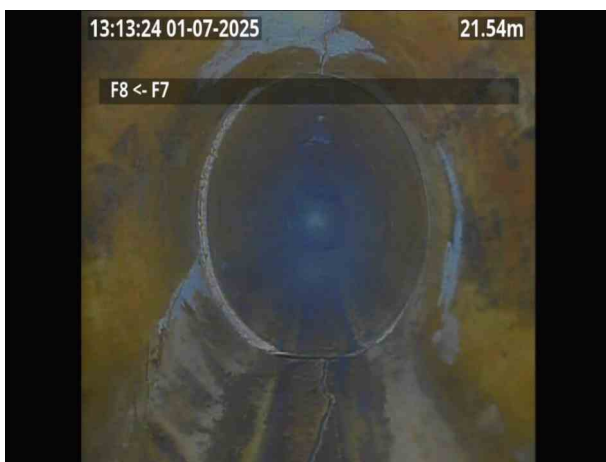
| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 7 | Upstream | F8X | | |



F8X_60b6ea5c-6835-4b66-8df7-946466924d2d_20250707_1
15901_741.jpg, 00:03:07, 21.31 m
Fracture, circumferential from 4 o'clock to 11 o'clock



F8X_bccca670-a999-44fb-9e4f-6c7234ca2b9b_20250707_11
5919_097.jpg, 00:03:10, 21.57 m
Fracture, longitudinal at 6 o'clock



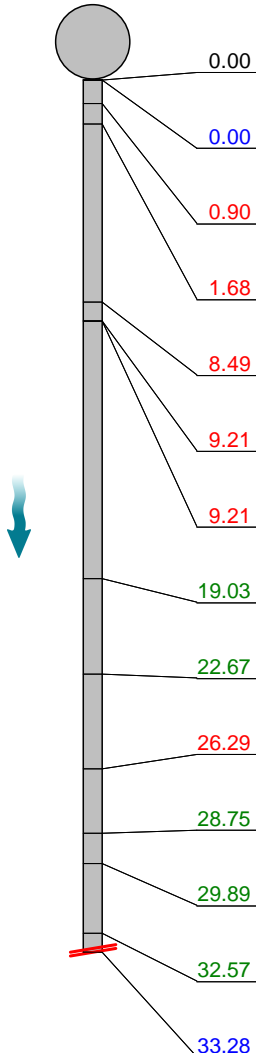
F8X_5d12dc2e-1556-44b6-b0f8-dfa69c4243bc_20250707_11
5937_632.jpg, 00:03:10, 21.57 m
Fracture, spiral from 7 o'clock to 8 o'clock

Section Inspection - 04/07/2025 - F3X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 8 | 1 | 04/07/25 | 11:29 | Not Specified | No Rain Or Snow | Not Specified | F3X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | F3 |
| Road: | Jackson Street | Inspected Length: | 33.28 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 33.28 m | Downstream Node: | X |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:289 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|--|-------------|----------|-------------------------------------|-------|
| <div> <p>Depth: m</p> <p>F3</p>  </div> | | | | | | | |
| | 0.00 | MH | Start node, manhole, reference: F3 | | 00:00:00 | | |
| | 0.00 | WL | Water level, 5% of the vertical dimension | | 00:00:10 | | |
| | 0.90 | CC | Crack, circumferential from 9 o'clock to 3 o'clock | | 00:00:21 | F3X_9614 26f9-a001- 4769-bea9 | 2 / 2 |
| | 1.68 | FCJ | Fracture, circumferential at joint from 9 o'clock to 3 o'clock | | 00:00:36 | F3X_5403 d241-f452- 4c07-aec5 | 3 / 2 |
| | 8.49 | CCJ | Crack, circumferential at joint from 8 o'clock to 12 o'clock | | 00:01:34 | F3X_bde3 0e6a-650f- 4065-b883 | 2 / 2 |
| | 9.21 | CCJ | Crack, circumferential at joint from 1 o'clock to 4 o'clock | | 00:01:36 | | 2 / 2 |
| | 9.21 | CLJ | Crack, longitudinal at joint at 11 o'clock | | 00:01:36 | F3X_2e39 e058-68f0- 44c6-aecb | 2 / 2 |
| | 19.03 | DEEJ | Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 10% cross-sectional area loss | | 00:02:17 | F3X_38ca b818-b850 -46f9-b7d4 | 3 |
| | 22.67 | DEEJ | Attached deposits, encrustation at joint from 4 o'clock to 8 o'clock, 5% cross-sectional area loss: DEEJ | | 00:02:31 | | 3 |
| | 26.29 | FCJ | Fracture, circumferential at joint from 11 o'clock to 2 o'clock | | 00:02:44 | | 3 / 2 |
| | 28.75 | DEEJ | Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 10% cross-sectional area loss | | 00:02:54 | F3X_b702 9ac4-ffbb- 4223-847e | 3 |
| | 29.89 | DEEJ | Attached deposits, encrustation at joint from 6 o'clock to 8 o'clock, 20% cross-sectional area loss | | 00:02:58 | F3X_1892 14a9-834c -457e-bb3 | 3 |
| | 32.57 | DEEJ | Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 35% cross-sectional area loss | | 00:03:08 | F3X_8a7a ee5a-8aa3 -4003-8aa | 4 |
| | 33.28 | SA | Survey abandoned: DUE TO ENCRUSTATION | | 00:03:10 | | |

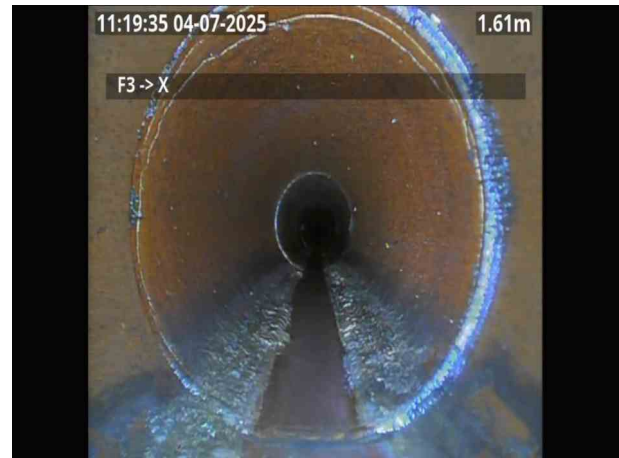
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 6 | 40.0 | 3.6 | 120.0 | 3.0 | 11 | 5.0 | 0.6 | 19.0 | 4.0 |

Section Pictures - 04/07/2025 - F3X

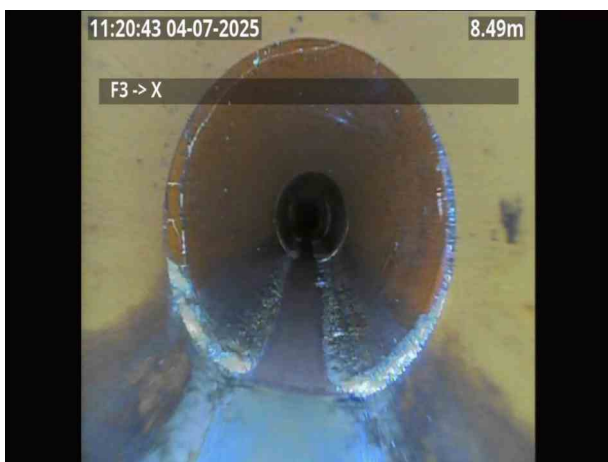
| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 8 | Downstream | F3X | | |



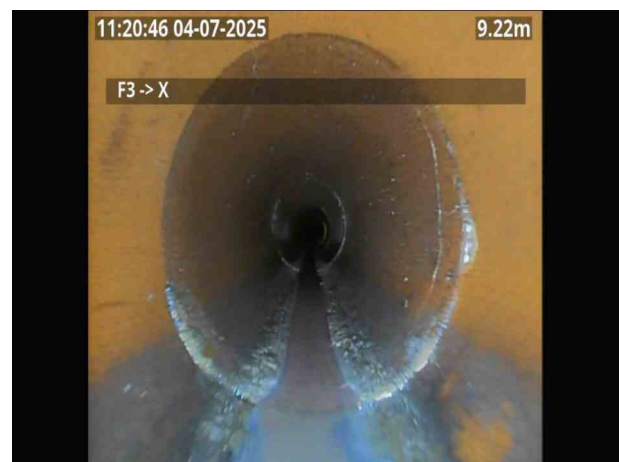
F3X_961426f9-a001-4769-bea9-90aeee7a0536_20250704_13021_277.jpg, 00:00:21, 0.90 m
Crack, circumferential from 9 o'clock to 3 o'clock



F3X_5403d241-f452-4c07-aec5-fb3d217b923b_20250707_120216_507.jpg, 00:00:36, 1.68 m
Fracture, circumferential at joint from 9 o'clock to 3 o'clock



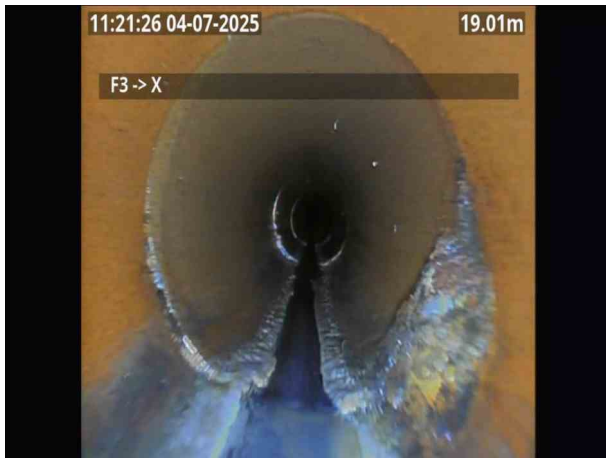
F3X_bde30e6a-650f-4065-b883-f7b918a07475_20250707_120507_271.jpg, 00:01:34, 8.49 m
Crack, circumferential at joint from 8 o'clock to 12 o'clock



F3X_2e39e058-68f0-44c6-aecb-a4a7b49ea403_20250707_120543_999.jpg, 00:01:36, 9.21 m
Crack, longitudinal at joint at 11 o'clock

Section Pictures - 04/07/2025 - F3X

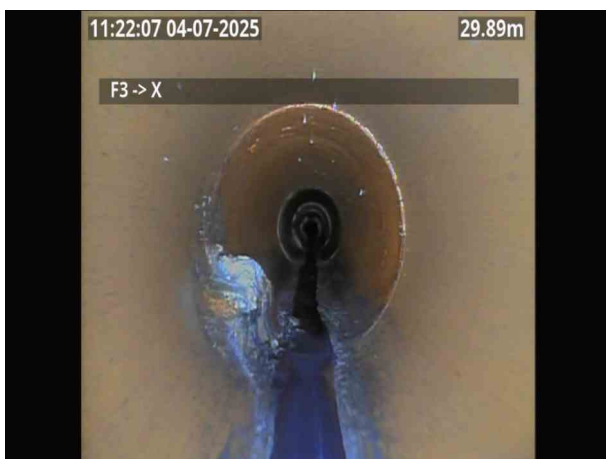
| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 8 | Downstream | F3X | | |



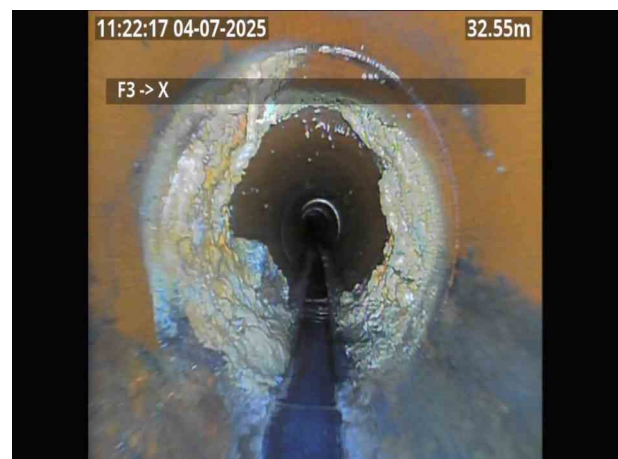
F3X_38cab818-b850-46f9-b7d4-967a63ccb544_20250707_120644_892.jpg, 00:02:17, 19.03 m
Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 10% cross-sectional area loss



F3X_b7029ac4-ffbb-4223-847e-aea42a170885_20250707_122521_263.jpg, 00:02:54, 28.75 m
Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 10% cross-sectional area loss



F3X_189214a9-834c-457e-bb3e-cfd1ea22abb_20250707_123144_989.jpg, 00:02:58, 29.89 m
Attached deposits, encrustation at joint from 6 o'clock to 8 o'clock, 20% cross-sectional area loss



F3X_8a7aee5a-8aa3-4003-8aa6-36698937b613_20250707_125243_301.jpg, 00:03:08, 32.57 m
Attached deposits, encrustation at joint from 12 o'clock to 12 o'clock, 35% cross-sectional area loss

Section Inspection - 04/07/2025 - FIC1.AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 9 | 1 | 04/07/25 | 9:32 | Not Specified | No Rain Or Snow | Not Specified | FIC1.AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|--------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC1.A |
| Road: | Jackson Street | Inspected Length: | 0.90 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 0.90 m | Downstream Node: | FIC1 |
| 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | IC | Start node, inspection chamber, reference: FIC1 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:08 | | |
| | | 0.90 | OCF | Finish node, other special chamber, reference: FIC1.A: REST BEND | 00:00:11 | | |

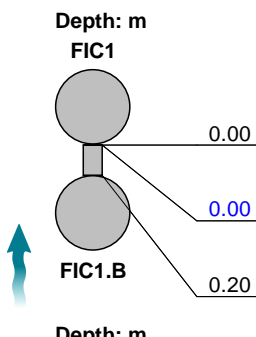
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - FIC1.BX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 10 | 1 | 04/07/25 | 9:33 | Not Specified | No Rain Or Snow | Not Specified | FIC1.BX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|--------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC1.B |
| Road: | Jackson Street | Inspected Length: | 0.20 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 0.20 m | Downstream Node: | FIC1 |
| 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|---|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | IC | Start node, inspection chamber, reference: FIC1 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:03 | | |
| | | 0.20 | GYF | Finish node, gully, reference: FIC1.B | 00:00:08 | | |

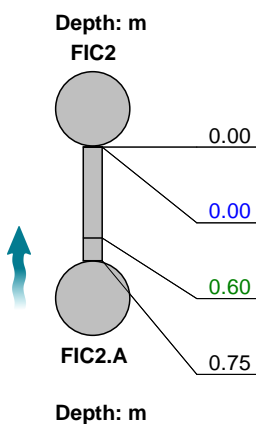
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - FIC2.AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 11 | 1 | 04/07/25 | 9:37 | Not Specified | No Rain Or Snow | Not Specified | FIC2.AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|--------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC2.A |
| Road: | Jackson Street | Inspected Length: | 0.75 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 0.75 m | Downstream Node: | FIC2 |
| 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | IC | Start node, inspection chamber, reference: FIC2 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.60 | LU | Line deviates up: SHARP | 00:00:09 | | |
| | | 0.75 | OCF | Finish node, other special chamber, reference: FIC2.A: REST BEND | 00:00:16 | | |

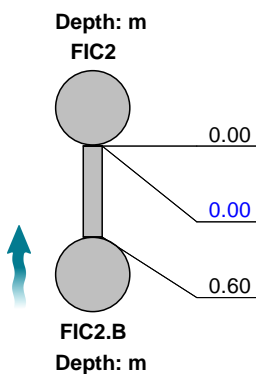
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - FIC2.BX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 12 | 1 | 04/07/25 | 9:38 | Not Specified | No Rain Or Snow | Not Specified | FIC2.BX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|--------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC2.B |
| Road: | Jackson Street | Inspected Length: | 0.60 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 0.60 m | Downstream Node: | FIC2 |
| 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | IC | Start node, inspection chamber, reference: FIC2 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.60 | OCF | Finish node, other special chamber, reference: FIC2.B: REST BEND | 00:00:15 | | |

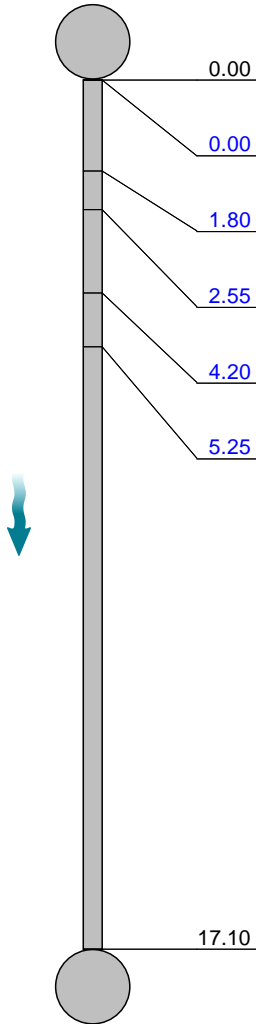
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - FIC3X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 13 | 1 | 04/07/25 | 9:41 | Not Specified | No Rain Or Snow | Not Specified | FIC3X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | FIC3 |
| Road: | Jackson Street | Inspected Length: | 17.10 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 17.10 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:149 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|---|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>FIC3</div>  <div>F2</div> <div>Depth: m</div> </div> | | | | | | | |
| | 0.00 | IC | Start node, inspection chamber, reference: FIC3 | 00:00:00 | | | |
| | 0.00 | WL | Water level, 5% of the vertical dimension | | | | |
| | 1.80 | WL | Water level, 40% of the vertical dimension | 00:00:11 | | | |
| | 2.55 | CUW | Loss of vision, camera under water | 00:00:15 | | | |
| | 4.20 | WL | Water level, 30% of the vertical dimension | 00:00:22 | | | |
| | 5.25 | WL | Water level, 5% of the vertical dimension | 00:00:24 | | | |
| | 17.10 | MHF | Finish node, manhole, reference: F2 | 00:00:53 | | | |

| 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 - 04/07/2025 - FIC2X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 14 | 1 | 04/07/25 | 9:49 | Not Specified | No Rain Or Snow | Not Specified | FIC2X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC2 |
| Road: | Jackson Street | Inspected Length: | 14.85 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 14.85 m | Downstream Node: | FIC3 |
| 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 | Pipe Material: | Polyvinyl chloride | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:129 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>FIC3</div> <div>0.00</div> <div>IC</div> <div>Start node, inspection chamber, reference: FIC3</div> <div>00:00:00</div> </div> | | | | | | | |
| <div> <div>6.15</div> <div>JN</div> <div>Junction at 9 o'clock, 100mm dia</div> <div>00:00:28</div> </div> | | | | | | | |
| <div> <div>14.85</div> <div>ICF</div> <div>Finish node, inspection chamber, reference: FIC2</div> <div>00:01:01</div> </div> | | | | | | | |
| <div> <div>FIC2</div> <div>Depth: m</div> </div> | | | | | | | |

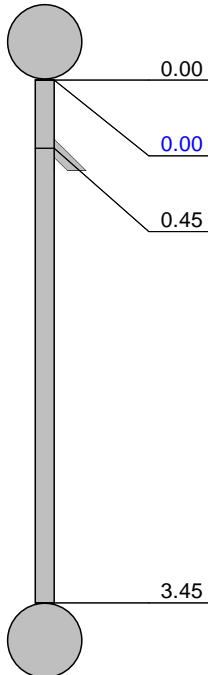
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - FIC1X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 15 | 1 | 04/07/25 | 9:50 | Not Specified | No Rain Or Snow | Not Specified | FIC1X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|-----------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | FIC1 |
| Road: | Jackson Street | Inspected Length: | 3.45 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 3.45 m | Downstream Node: | FIC2 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | Dia/Height: | 100 mm |
| Type of Pipe: | Gravity drain/sewer | Pipe Material: | Polyvinyl chloride | Lining Type: | No Lining |
| Flow Control: | No flow control | Lining Material: | No Lining | | |
| Year Constructed: | Not Specified | | | | |
| Inspection Purpose: | | | | | |

Comments:
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | IC | Start node, inspection chamber, reference: FIC2 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.45 | JN | Junction at 9 o'clock, 100mm dia | 00:00:12 | | |
| | | 3.45 | ICF | Finish node, inspection chamber, reference: FIC1 | 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 - 04/07/2025 - CP1X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 16 | 1 | 04/07/25 | 11:01 | Not Specified | No Rain Or Snow | Not Specified | CP1X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | CP1 |
| Road: | Jackson Street | Inspected Length: | 13.35 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 13.35 m | Downstream Node: | X |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Surface water | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 100 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:116 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|--|----------|------------------------------------|-------|
| <div> <div>Depth: m</div> <div>CP1</div> <div>0.00</div> <div>0.00</div> <div>3.30</div> <div>7.35</div> <div>7.95</div> <div>7.95</div> <div>12.90</div> <div>12.90</div> <div>13.35</div> <div>X</div> <div>Depth: m</div> </div> | | | | | | | |
| | | 0.00 | CP | Start node, catchpit, reference: CP1 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 3.30 | LD | Line deviates down: SLIGHT | 00:00:24 | | |
| | | 7.35 | JN | Junction at 10 o'clock, 100mm dia | 00:00:38 | | |
| | | 7.95 | BJ | Broken pipe at joint from 5 o'clock to 8 o'clock | 00:00:41 | | 4 |
| | | 7.95 | CCJ | Crack, circumferential at joint from 10 o'clock to 2 o'clock | 00:00:41 | | 2 / 2 |
| | | 12.90 | LD | Line deviates down: SHARP | 00:01:05 | | |
| | | 12.90 | FM | Fractures, multiple from 12 o'clock to 12 o'clock | 00:01:05 | CP1X_247 23964-6d2 1-408b-b0 | 4 / 2 |
| | | 13.35 | BRF | Finish node, major connection without manhole, reference: X | 00:01:08 | | |

| 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 |
| 3 | 90.0 | 12.7 | 170.0 | 4.0 | 2 | 1.0 | 0.1 | 2.0 | 2.0 |

Section Pictures - 04/07/2025 - CP1X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|------|------------------|----------------------|
| 16 | Downstream | CP1X | | |



CP1X_24723964-6d21-408b-b0ca-30731111240d_20250709_160436_902.jpg, 00:01:05, 12.90 m
Fractures, multiple from 12 o'clock to 12 o'clock

Section Inspection - 04/07/2025 - F10X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 17 | 1 | 04/07/25 | 12:48 | Not Specified | No Rain Or Snow | Not Specified | F10X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F10 |
| Road: | Jackson Street | Inspected Length: | 13.35 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 13.35 m | Downstream Node: | F9 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:116 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|--|----------|-------|-------|
| <div> <div>Depth: m</div> <div>F9</div> <div>0.00</div> <div>0.00</div> <div>11.40</div> <div>13.35</div> <div>F10</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: F9 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | | | |
| | | | WL | Water level, 15% of the vertical dimension | 00:00:23 | | |
| | | | MHF | Finish node, manhole, reference: F10 | 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 - 04/07/2025 - F10.BX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 18 | 1 | 04/07/25 | 12:55 | Not Specified | No Rain Or Snow | Not Specified | F10.BX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F10.B |
| Road: | Jackson Street | Inspected Length: | 23.25 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 23.25 m | Downstream Node: | F10 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:202 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|---|----------|-------|-------|
| <div> <div>Depth: m</div> <div>F10</div> <div>0.00</div> <div>0.00</div> <div>23.25</div> <div>F10.B</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: F10 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | | MHF | Finish node, manhole, reference: F10.B | 00:01:18 | | |

| 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 - 04/07/2025 - F11X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 19 | 1 | 04/07/25 | 13:03 | Not Specified | No Rain Or Snow | Not Specified | F11X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F11 |
| Road: | Jackson Street | Inspected Length: | 21.60 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 21.60 m | Downstream Node: | F10 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:188 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|---|----------|-------|-------|
| <div> <div>Depth: m</div> <div>F10</div> <div>0.00</div> <div>0.00</div> <div>21.60</div> <div>F11</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: F10 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | | | |
| | | | MHF | Finish node, manhole, reference: F11 | 00:00:53 | | |

| 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 - 04/07/2025 - F11.BX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 20 | 1 | 04/07/25 | 13:12 | Not Specified | No Rain Or Snow | Not Specified | F11.BX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F11.B |
| Road: | Jackson Street | Inspected Length: | 9.60 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 9.60 m | Downstream Node: | F11 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:84 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|------|--------------|---------|---|----------|-------|-------|
| <div> <p>Depth: m</p> <p>F11</p> </div> | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: F11 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.00 | S01 DEZ | Attached deposits, other from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, start: SCALE | 00:00:01 | | |
| | | 0.15 | LL | Line deviates left: MEDIUM | 00:00:08 | | |
| | | 8.70 | F01 DEZ | Attached deposits, other from 5 o'clock to 7 o'clock, 5% cross-sectional area loss, finish: SCALE | 00:00:30 | | 3 |
| | | 9.15 | LR | Line deviates right: MEDIUM | 00:00:31 | | |
| | | 9.15 | LU | Line deviates up: MEDIUM | 00:00:31 | | |
| | | 9.60 | LL | Line deviates left: SHARP | 00:00:35 | | |
| | | 9.60 | GYF | Finish node, gully, reference: F11.B: ACO | 00:00:37 | | |
| | | | | | | | |

| 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 | 1.9 | 18.0 | 3.0 |

Section Inspection - 04/07/2025 - F11.CX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 21 | 1 | 04/07/25 | 13:14 | Not Specified | No Rain Or Snow | Not Specified | F11.CX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F11.C |
| Road: | Jackson Street | Inspected Length: | 8.25 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 8.25 m | Downstream Node: | F11 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:72 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>F11</div> <div> <div>0.00</div> <div>0.00</div> <div>0.30</div> </div> </div> <div> <div>6.30</div> <div>7.35</div> <div>8.25</div> </div> <div> <div>F11.C</div> <div>Depth: m</div> </div> </div> | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: F11 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.30 | LL | Line deviates left: MEDIUM | 00:00:08 | | |
| | | 6.30 | JN | Junction at 3 o'clock, 150mm dia | 00:00:21 | | |
| | | 7.35 | LU | Line deviates up: SLIGHT | 00:00:24 | | |
| | | 8.25 | OCF | Finish node, other special chamber, reference: F11.C: REST BEND | 00:00:27 | | |

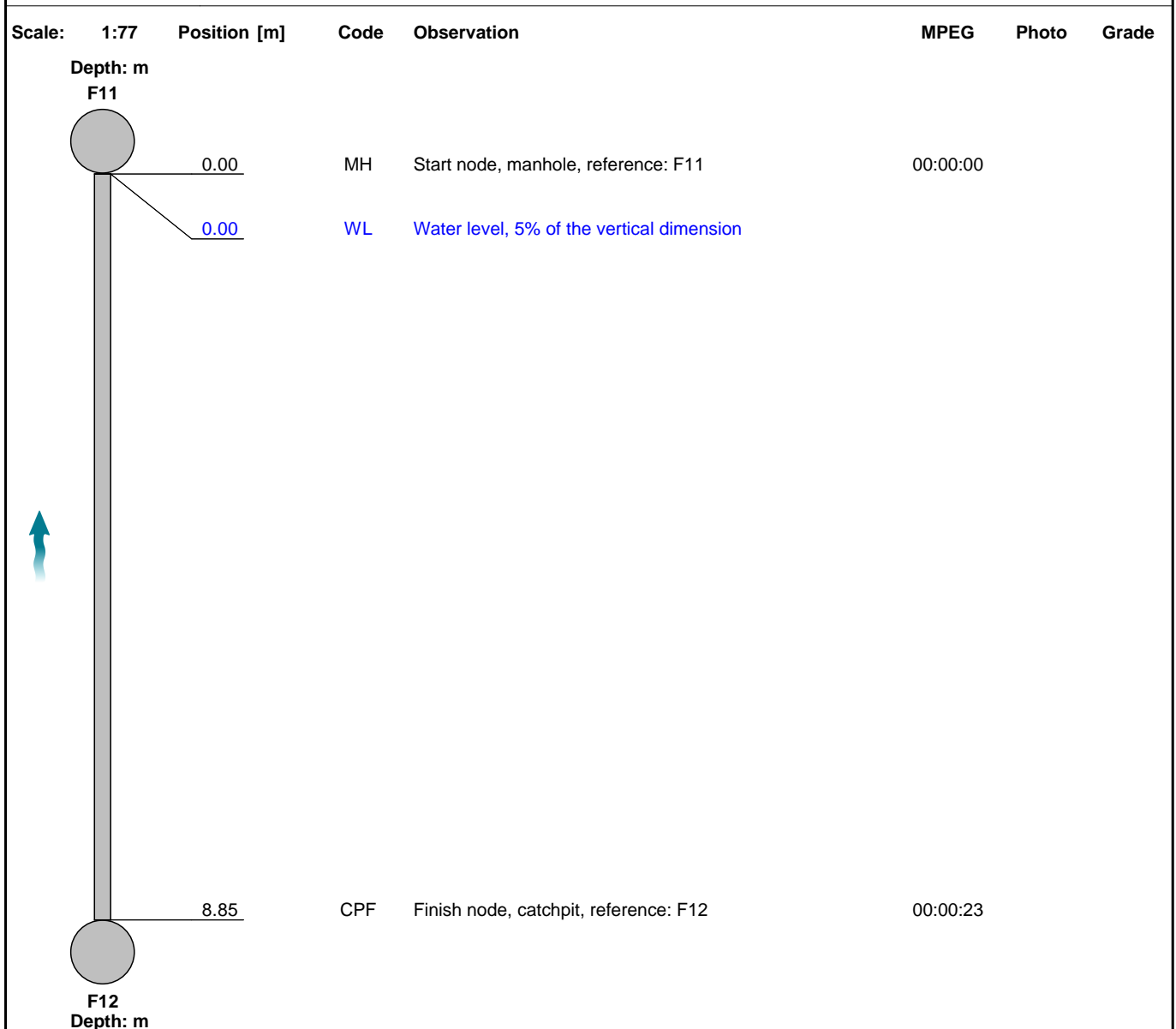
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 04/07/2025 - F12X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 22 | 1 | 04/07/25 | 13:18 | Not Specified | No Rain Or Snow | Not Specified | F12X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F12 |
| Road: | Jackson Street | Inspected Length: | 8.85 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 8.85 m | Downstream Node: | F11 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | 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 - 04/07/2025 - F12.AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 23 | 1 | 04/07/25 | 13:30 | Not Specified | No Rain Or Snow | Not Specified | F12.AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F12.A |
| Road: | Jackson Street | Inspected Length: | 4.50 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 4.50 m | Downstream Node: | F12 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|------|--------------|------|-------------|------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>F12</div> <div>0.00</div> <div>0.00</div> <div>0.75</div> <div>3.75</div> <div>4.50</div> <div>F12.A</div> <div>Depth: m</div> </div> <div> <div>CP</div> <div>WL</div> <div>LU</div> <div>LR</div> <div>OCF</div> </div> <div> <div>Start node, catchpit, reference: F12</div> <div>Water level, 5% of the vertical dimension</div> <div>Line deviates up: MEDIUM</div> <div>Line deviates right: SHARP</div> <div>Finish node, other special chamber, reference: F12.A: REST BEND</div> </div> <div> <div>00:00:00</div> <div></div> <div>00:00:19</div> <div>00:00:59</div> <div>00:01:03</div> </div> </div> | | | | | | | |

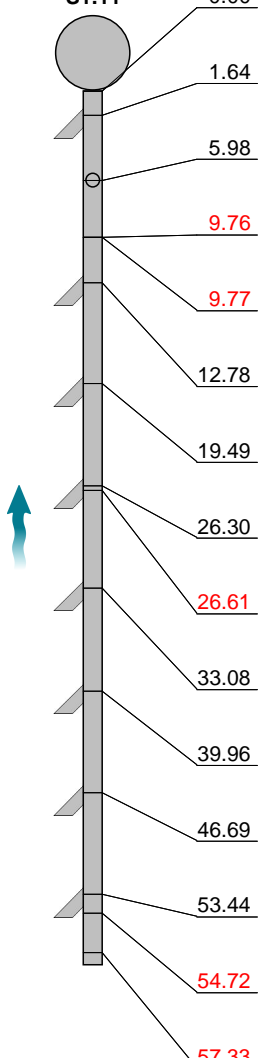
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 14/07/2025 - S1.13X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 24 | 1 | 14/07/25 | 9:31 | Not Specified | No Rain Or Snow | Not Specified | S1.13X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

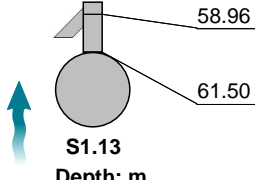
| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.13 |
| Road: | Jackson Street | Inspected Length: | 61.50 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 61.50 m | Downstream Node: | S1.11 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:504 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|-------|--------------|--|-------------|-------------------------------------|-------|-------|
| <div> <p>Depth: m</p> <p>S1.11</p>  </div> | | | | | | | |
| | 0.00 | MH | Start node, manhole, reference: S1.11 | 00:00:00 | | | |
| | 1.64 | JN | Junction at 1 o'clock, 100mm dia | 00:00:21 | | | |
| | 5.98 | JN | Junction at 12 o'clock, 100mm dia | 00:00:38 | | | |
| | 9.76 | FL | Fracture, longitudinal at 6 o'clock | 00:00:53 | S1.13X_d7 18a536-31 e4-46e8-b | 3 / 2 | |
| | 9.77 | FL | Fracture, longitudinal at 7 o'clock | 00:00:53 | | | 3 / 2 |
| | 12.78 | JN | Junction at 1 o'clock, 100mm dia | 00:01:05 | | | |
| | 19.49 | JN | Junction at 1 o'clock, 100mm dia | 00:01:33 | | | |
| | 26.30 | JN | Junction at 1 o'clock, 100mm dia | 00:02:02 | | | |
| | 26.61 | FCJ | Fracture, circumferential at joint from 2 o'clock to 9 o'clock | 00:02:03 | S1.13X_e2 04bb02-98 75-4ed0-a | 3 / 2 | |
| | 33.08 | JN | Junction at 1 o'clock, 100mm dia | 00:02:30 | | | |
| | 39.96 | JN | Junction at 1 o'clock, 100mm dia | 00:02:59 | | | |
| | 46.69 | JN | Junction at 1 o'clock, 100mm dia | 00:03:28 | | | |
| | 53.44 | JN | Junction at 1 o'clock, 100mm dia | 00:03:56 | | | |
| | 54.72 | FC | Fracture, circumferential from 9 o'clock to 5 o'clock | 00:04:02 | | | 3 / 2 |
| | 57.33 | FCJ | Fracture, circumferential at joint from 5 o'clock to 2 o'clock | 00:04:13 | S1.13X_3d 42556b-dd 6c-4ab5-b | 3 / 2 | |

Section Inspection - 14/07/2025 - S1.13X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 24 | 1 | 14/07/25 | 9:31 | Not Specified | No Rain Or Snow | Not Specified | S1.13X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| Scale: | 1:504 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|--|----------|-------|-------|
|  | | 58.96 | JN | Junction at 1 o'clock, 100mm dia | 00:04:20 | | |
| | | 61.50 | MHF | Finish node, manhole, reference: S1.13 | 00:04:38 | | |

Construction Features

Structural Defects

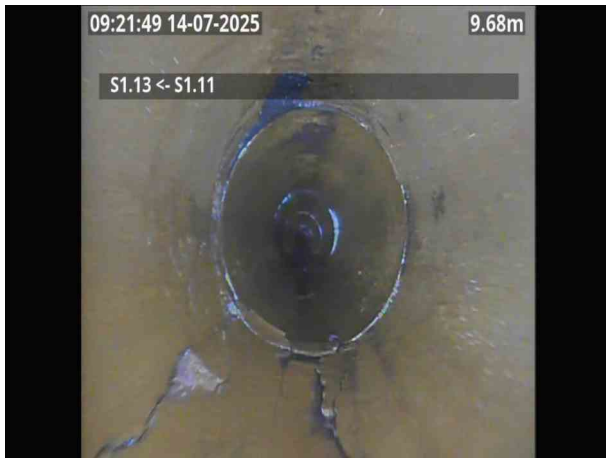
Miscellaneous Features

Service & Operational Observations

| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
|-------------|----------|----------|-----------|-----------|-------------|----------|----------|-----------|-----------|
| 5 | 80.0 | 3.3 | 200.0 | 3.0 | 5 | 2.0 | 0.1 | 5.0 | 3.0 |

Section Pictures - 14/07/2025 - S1.13X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|--------|------------------|----------------------|
| 24 | Upstream | S1.13X | | |



S1.13X_d718a536-31e4-46e8-bb4f-156a2cad05c7_20250715_132109_532.jpg, 00:00:53, 9.76 m
Fracture, longitudinal at 6 o'clock



S1.13X_e204bb02-9875-4ed0-a359-01c3a86236f2_20250715_132329_615.jpg, 00:02:03, 26.61 m
Fracture, circumferential at joint from 2 o'clock to 9 o'clock



S1.13X_3d42556b-dd6c-4ab5-b3a2-4e8464f05179_20250715_132704_236.jpg, 00:04:13, 57.33 m
Fracture, circumferential at joint from 5 o'clock to 2 o'clock

Section Inspection - 14/07/2025 - S1.10X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|------|------------------|-----------------|---------------|----------------|
| 25 | 1 | 14/07/25 | 9:45 | Not Specified | No Rain Or Snow | Not Specified | S1.10X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.10 |
| Road: | Jackson Street | Inspected Length: | 14.00 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 14.00 m | Downstream Node: | S1.11 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:122 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|-------|--------------|------|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>S1.11</div> <div>0.00</div> <div>MH</div> <div>Start node, manhole, reference: S1.11</div> <div>00:00:00</div> </div> | | | | | | | |
| <div> <div>14.00</div> <div>MHF</div> <div>Finish node, manhole, reference: S1.10</div> <div>00:01:56</div> </div> | | | | | | | |
| <div> <div>S1.10</div> <div>Depth: m</div> </div> | | | | | | | |

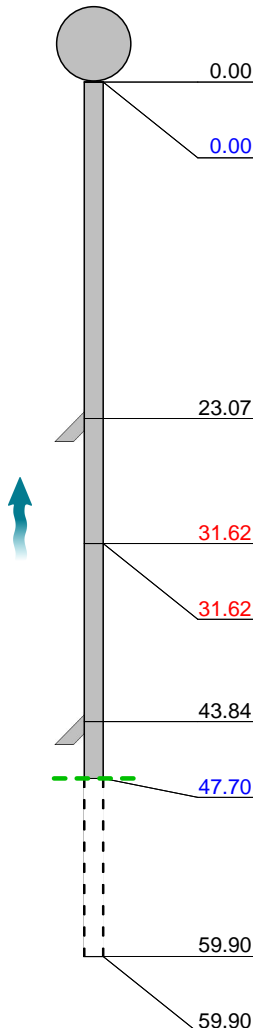
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 14/07/2025 - S1.11X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 26 | 1 | 14/07/25 | 10:32 | Not Specified | No Rain Or Snow | Not Specified | S1.11X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.11 |
| Road: | Jackson Street | Inspected Length: | 59.90 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 59.90 m | Downstream Node: | OS3A |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

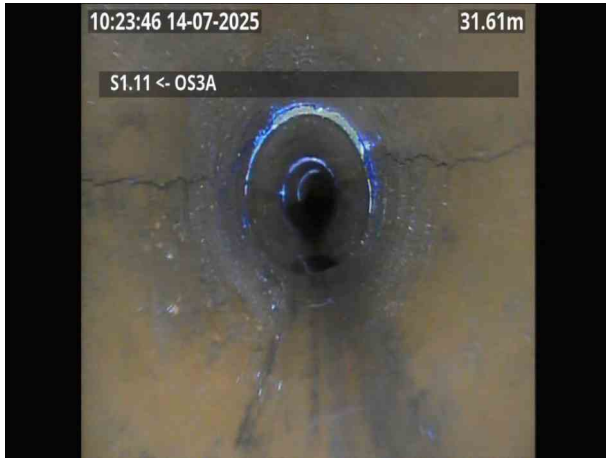
| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:519 | Position [m] | Code | Observation | MPEG | Photo | Grade | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|--|----------|-------------------------------------|-------|-------|-------|--------------|------|-------------|------|-------|-------|------|----|--------------------------------------|----------|--|--|------|----|---|----------|--|--|-------|-----|--|----------|--|--|-------|----|-------------------------------------|----------|--|-------|-------|----|--------------------------------------|----------|-------------------------------------|-------|-------|----|----------------------------------|----------|--|--|-------|----|--|----------|--|--|-------|-----|--|----------|--|--|-------|--|-------------|--|--|--|
| <div><div><div>Depth: m</div><div>OS3A</div></div><table><tr><th>Position [m]</th><th>Code</th><th>Observation</th><th>MPEG</th><th>Photo</th><th>Grade</th></tr><tr><td>0.00</td><td>MH</td><td>Start node, manhole, reference: OS3A</td><td>00:00:00</td><td></td><td></td></tr><tr><td>0.00</td><td>WL</td><td>Water level, 5% of the vertical dimension</td><td>00:00:00</td><td></td><td></td></tr><tr><td>23.07</td><td>CXB</td><td>Connection defective, connecting pipe is blocked at 2 o'clock, 100mm dia</td><td>00:01:51</td><td></td><td></td></tr><tr><td>31.62</td><td>FL</td><td>Fracture, longitudinal at 2 o'clock</td><td>00:02:29</td><td></td><td>3 / 2</td></tr><tr><td>31.62</td><td>FL</td><td>Fracture, longitudinal at 10 o'clock</td><td>00:02:29</td><td>S1.11X_de 94bae1-0c 39-4e9c-b</td><td>3 / 2</td></tr><tr><td>43.84</td><td>JN</td><td>Junction at 1 o'clock, 100mm dia</td><td>00:03:20</td><td></td><td></td></tr><tr><td>47.70</td><td>SA</td><td>Survey abandoned: LOSS OF TRACTION. OVERLAP FROM NEXT SURVEY</td><td>00:03:40</td><td></td><td></td></tr><tr><td>59.90</td><td>MHF</td><td>Finish node, manhole, reference: S1.11</td><td>00:06:32</td><td></td><td></td></tr><tr><td>59.90</td><td></td><td>End of pipe</td><td></td><td></td><td></td></tr></table></div> | | | | | | | | Position [m] | Code | Observation | MPEG | Photo | Grade | 0.00 | MH | Start node, manhole, reference: OS3A | 00:00:00 | | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:00 | | | 23.07 | CXB | Connection defective, connecting pipe is blocked at 2 o'clock, 100mm dia | 00:01:51 | | | 31.62 | FL | Fracture, longitudinal at 2 o'clock | 00:02:29 | | 3 / 2 | 31.62 | FL | Fracture, longitudinal at 10 o'clock | 00:02:29 | S1.11X_de 94bae1-0c 39-4e9c-b | 3 / 2 | 43.84 | JN | Junction at 1 o'clock, 100mm dia | 00:03:20 | | | 47.70 | SA | Survey abandoned: LOSS OF TRACTION. OVERLAP FROM NEXT SURVEY | 00:03:40 | | | 59.90 | MHF | Finish node, manhole, reference: S1.11 | 00:06:32 | | | 59.90 | | End of pipe | | | |
| Position [m] | Code | Observation | MPEG | Photo | Grade | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | MH | Start node, manhole, reference: OS3A | 00:00:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23.07 | CXB | Connection defective, connecting pipe is blocked at 2 o'clock, 100mm dia | 00:01:51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31.62 | FL | Fracture, longitudinal at 2 o'clock | 00:02:29 | | 3 / 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31.62 | FL | Fracture, longitudinal at 10 o'clock | 00:02:29 | S1.11X_de 94bae1-0c 39-4e9c-b | 3 / 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43.84 | JN | Junction at 1 o'clock, 100mm dia | 00:03:20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47.70 | SA | Survey abandoned: LOSS OF TRACTION. OVERLAP FROM NEXT SURVEY | 00:03:40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59.90 | MHF | Finish node, manhole, reference: S1.11 | 00:06:32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59.90 | | 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 |
| 2 | 80.0 | 1.3 | 80.0 | 3.0 | 2 | 2.0 | 0.0 | 2.0 | 3.0 |

Section Pictures - 14/07/2025 - S1.11X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|--------|------------------|----------------------|
| 26 | Upstream | S1.11X | | |



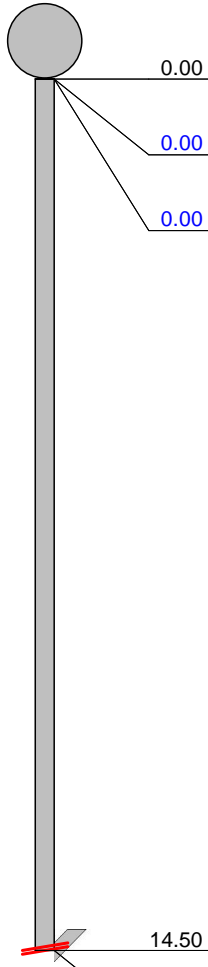
S1.11X_de94bae1-0c39-4e9c-b2cc-bd90c84e7fed_20250715_133246_279.jpg, 00:02:29, 31.62 m
Fracture, longitudinal at 10 o'clock

Section Inspection - 14/07/2025 - S1.11X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 27 | 1 | 14/07/25 | 10:52 | Not Specified | No Rain Or Snow | Not Specified | S1.11X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | S1.11 |
| Road: | Jackson Street | Inspected Length: | 14.50 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 14.50 m | Downstream Node: | OS3A |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:126 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|-------|--------------|------|---|----------|-------|-------|
| <p>Depth: m S1.11</p>  | | | | | | | |
| | 0.00 | MH | | Start node, manhole, reference: S1.11 | 00:00:00 | | |
| | 0.00 | WL | | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | 0.00 | WL | | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | 14.50 | JN | | Junction at 11 o'clock, 100mm dia | 00:01:42 | | |
| | 14.50 | SA | | Survey abandoned: SURVEY OVERLAPS | 00:01:43 | | |

| 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 - 14/07/2025 - BWX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 28 | 1 | 14/07/25 | 11:03 | Not Specified | No Rain Or Snow | Not Specified | BWX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | BW |
| Road: | Jackson Street | Inspected Length: | 2.06 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 2.06 m | Downstream Node: | X |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Surface water | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 100 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--------|------|--------------|------|---|----------|-----------------------------------|-------|
| | | | | | | | |
| | | 0.00 | CP | Start node, catchpit, reference: BW | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | 0.66 | JDL | Joint displaced, large | 00:00:21 | BWX_10a 2d309-bf9 d-4a8d-95 | 1 / 4 |
| | | 0.66 | LD | Line deviates down: SHARP | 00:00:21 | | |
| | | 2.06 | BRF | Finish node, major connection without manhole, reference: X | 00:00:29 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 1 | 2.0 | 1.0 | 2.0 | 1.0 | 1 | 5.0 | 2.4 | 5.0 | 4.0 |

Section Pictures - 14/07/2025 - BWX

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 28 | Downstream | BWX | | |



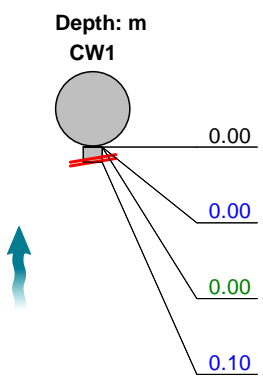
BWX_10a2d309-bf9d-4a8d-950a-84363a479038_20250715_133735_235.jpg, 00:00:21, 0.66 m
Joint displaced, large

Section Inspection - 14/07/2025 - F3X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 29 | 1 | 14/07/25 | 11:30 | Not Specified | No Rain Or Snow | Not Specified | F3X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F3 |
| Road: | Jackson Street | Inspected Length: | 0.10 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 0.10 m | Downstream Node: | CW1 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|--|----------|-------------------------------------|-------|
|  | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: CW1 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | | | |
| | | 0.00 | DEE | Attached deposits, encrustation from 12 o'clock to 12 o'clock, 20% cross-sectional area loss | 00:00:04 | F3X_5799 ba64-98ef- 4d39-a45d | 3 |
| | | 0.10 | SA | Survey abandoned: UNABLE TO SURVEY DUE TO ENCRUSTION | 00:00:04 | | |

| 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 | 20.0 | 2.0 | 5.0 |

Section Pictures - 14/07/2025 - F3X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 29 | Upstream | F3X | | |



F3X_5799ba64-98ef-4d39-a45d-4d5303f33a3a_20250715_133820_506.jpg, 00:00:04, 0.00 m

Attached deposits, encrustation from 12 o'clock to 12 o'clock,
20% cross-sectional area loss

Section Inspection - 14/07/2025 - S1.6X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 30 | 1 | 14/07/25 | 12:55 | Not Specified | No Rain Or Snow | Not Specified | S1.6X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.6 |
| Road: | Jackson Street | Inspected Length: | 45.60 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 45.60 m | Downstream Node: | S1.7 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:395 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|-------|--------------|------|--|----------|--------------------------------------|-------|
| <div> <div> <div>Depth: m</div> <div>S1.7</div> </div> <div> <div>0.00</div> <div>0.00</div> </div> <div> <div>34.93</div> <div>38.55</div> <div>39.74</div> <div>45.60</div> </div> <div> <div>S1.6</div> <div>Depth: m</div> </div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: S1.7 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | | DEC | Settled deposits, hard or compacted, 20% cross-sectional area loss | 00:02:42 | S1.6X_66b ce885-867 6-48f8-a50 | 4 |
| | | | DEC | Settled deposits, hard or compacted, 15% cross-sectional area loss | 00:02:58 | S1.6X_77c 98f29-038 8-4d0c-83f | 3 |
| | | | DEC | Settled deposits, hard or compacted, 20% cross-sectional area loss | 00:03:03 | S1.6X_731 76655-aae 3-438f-b26 | 4 |
| | | | MHF | Finish node, manhole, reference: S1.6 | 00:03:44 | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 0 | 0.0 | 0.0 | 0.0 | 1.0 | 3 | 5.0 | 0.3 | 12.0 | 4.0 |

Section Pictures - 14/07/2025 - S1.6X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-------|------------------|----------------------|
| 30 | Upstream | S1.6X | | |



S1.6X_66bce885-8676-48f8-a509-218a3099b25c_20250715_134325_332.jpg, 00:02:42, 34.93 m
Settled deposits, hard or compacted, 20% cross-sectional area loss



S1.6X_77c98f29-0388-4d0c-83f4-03005816b0a3_20250715_134346_511.jpg, 00:02:58, 38.55 m
Settled deposits, hard or compacted, 15% cross-sectional area loss



S1.6X_73176655-aae3-438f-b26c-d793b7841327_20250715_134357_875.jpg, 00:03:03, 39.74 m
Settled deposits, hard or compacted, 20% cross-sectional area loss

Section Inspection - 14/07/2025 - S1.7X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 31 | 1 | 14/07/25 | 13:14 | Not Specified | No Rain Or Snow | Not Specified | S1.7X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | S1.7 |
| Road: | Jackson Street | Inspected Length: | 42.70 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 42.70 m | Downstream Node: | S1.8 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:370 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|---|----------|-------|-------|
| <div> <div>Depth: m</div> <div>S1.7</div> <div>0.00</div> <div>0.00</div> <div>42.70</div> <div>S1.8</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: S1.7 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | | MHF | Finish node, manhole, reference: S1.8 | 00:02:52 | | |

| 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 - 14/07/2025 - S1.7AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 32 | 1 | 14/07/25 | 13:23 | Not Specified | No Rain Or Snow | Not Specified | S1.7AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.7A |
| Road: | Jackson Street | Inspected Length: | 10.80 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 10.80 m | Downstream Node: | S1.7 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:94 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|---|----------|-------|-------|
| <div> <div>Depth: m</div> <div>S1.7</div> <div>0.00</div> <div>0.00</div> <div>0.38</div> <div>7.09</div> <div>10.80</div> <div>S1.7A</div> <div>Depth: m</div> </div> | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: S1.7 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:00 | | |
| | | 0.38 | LL | Line deviates left: SHARP | 00:00:18 | | |
| | | 7.09 | LL | Line deviates left: SHARP | 00:01:27 | | |
| | | 10.80 | GYF | Finish node, gully, reference: S1.7A: ACO | 00:01:51 | | |

| 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 - 14/07/2025 - S1.8X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 33 | 1 | 14/07/25 | 13:41 | Not Specified | No Rain Or Snow | Not Specified | S1.8X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | S1.8 |
| Road: | Jackson Street | Inspected Length: | 18.50 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 18.50 m | Downstream Node: | S1.9 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Surface water | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 225 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

Comments:
Recommendations:

| Scale: | 1:161 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|--|----------|-------|-------|
| <div> <div>Depth: m</div> <div>S1.8</div> <div>0.00</div> <div>0.00</div> <div>0.54</div> <div>18.50</div> <div>S1.9</div> <div>Depth: m</div> </div> | | | | | | | |
| | | | MH | Start node, manhole, reference: S1.8 | 00:00:00 | | |
| | | | WL | Water level, 5% of the vertical dimension | 00:00:01 | | |
| | | | DEC | Settled deposits, hard or compacted, 15% cross-sectional area loss | 00:00:23 | | 3 |
| | | | CPF | Finish node, catchpit, reference: S1.9 | 00:01:35 | | |

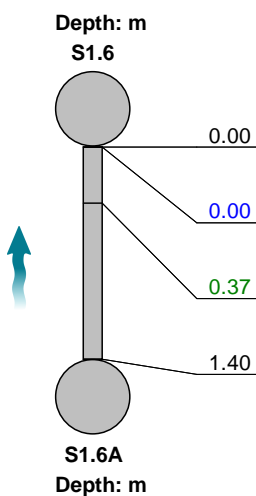
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 | 0.1 | 2.0 | 3.0 |

Section Inspection - 15/07/2025 - S1.6AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 34 | 1 | 15/07/25 | 10:09 | Not Specified | No Rain Or Snow | Not Specified | S1.6AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.6A |
| Road: | Jackson Street | Inspected Length: | 1.40 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 1.40 m | Downstream Node: | S1.6 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--|------|--------------|------|---|----------|-------|-------|
|  | | | | | | | |
| | | 0.00 | MH | Start node, manhole, reference: S1.6 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:15 | | |
| | | 0.37 | LL | Line deviates left: SHARP | 00:00:23 | | |
| | | 1.40 | GYF | Finish node, gully, reference: S1.6A: ACO | 00:00:53 | | |

| 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 - 15/07/2025 - S1.5AX

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 35 | 1 | 15/07/25 | 10:26 | Not Specified | No Rain Or Snow | Not Specified | S1.5AX |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|-------|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | S1.5A |
| Road: | Jackson Street | Inspected Length: | 10.90 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 10.90 m | Downstream Node: | S1.5 |
| 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 | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:95 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|------|--------------|------|---|----------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>S1.5</div> </div> <div> <div>0.00</div> <div>0.00</div> <div>0.29</div> </div> <div> <div>10.00</div> <div>10.90</div> </div> <div> <div>S1.5A</div> <div>Depth: m</div> </div> </div> | | | | | | | |
| | | 0.00 | CP | Start node, catchpit, reference: S1.5 | 00:00:00 | | |
| | | 0.00 | WL | Water level, 5% of the vertical dimension | 00:00:01 | | |
| | | 0.29 | LL | Line deviates left: MEDIUM | 00:00:43 | | |
| | | 10.00 | LR | Line deviates right: SHARP | 00:01:31 | | |
| | | 10.90 | GYF | Finish node, gully, reference: S1.5A | 00:01:56 | | |

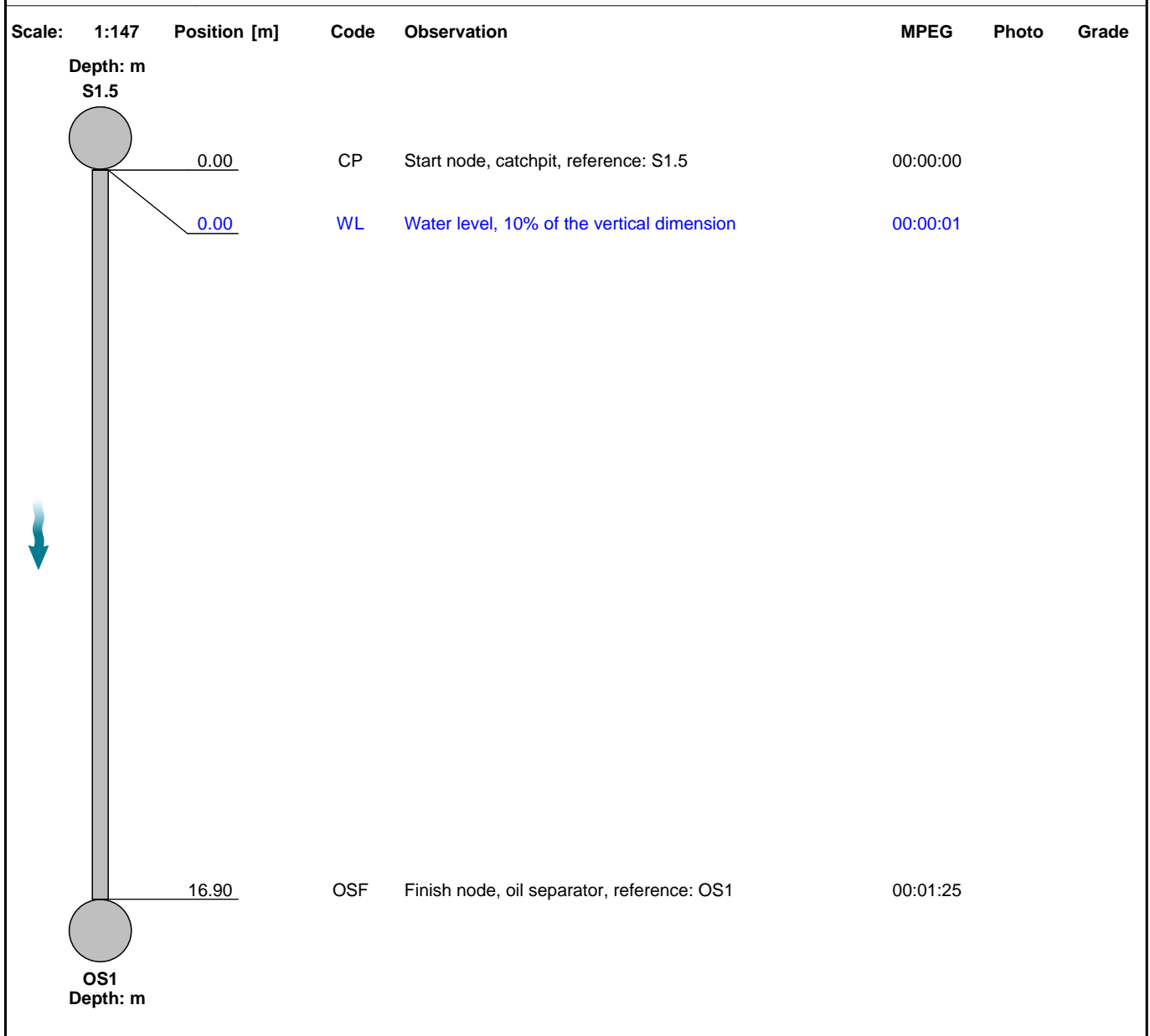
| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR 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 - 15/07/2025 - S1.5X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 36 | 1 | 15/07/25 | 11:01 | Not Specified | No Rain Or Snow | Not Specified | S1.5X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|------|
| Town or Village: | St Helens | Inspection Direction: | Downstream | Upstream Node: | S1.5 |
| Road: | Jackson Street | Inspected Length: | 16.90 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 16.90 m | Downstream Node: | OS1 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Surface water | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 300 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | 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 - 15/07/2025 - F2X

| Item No. | Insp. No. | Date | Time | Client's Job Ref | Weather | Pre Cleaned | PLR |
|---------------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 37 | 1 | 15/07/25 | 11:24 | Not Specified | No Rain Or Snow | Not Specified | F2X |
| Operator | | Vehicle | | Camera | Preset Length | Legal Status | Alternative ID |
| Not Specified | | Not Specified | | Not Specified | Not Specified | Not Specified | Not Specified |

| | | | | | |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----|
| Town or Village: | St Helens | Inspection Direction: | Upstream | Upstream Node: | F2 |
| Road: | Jackson Street | Inspected Length: | 43.10 m | Upstream Pipe Depth: | |
| Location: | Property or buildings | Total Length: | 43.10 m | Downstream Node: | F3 |
| Surface Type: | | Joint Length: | | Downstream Pipe Depth: | |
| Use: | Foul | Pipe Shape: | Circular | | |
| Type of Pipe: | Gravity drain/sewer | Dia/Height: | 150 mm | | |
| Flow Control: | No flow control | Pipe Material: | Vitrified clay | | |
| Year Constructed: | Not Specified | Lining Type: | No Lining | | |
| Inspection Purpose: | | Lining Material: | No Lining | | |

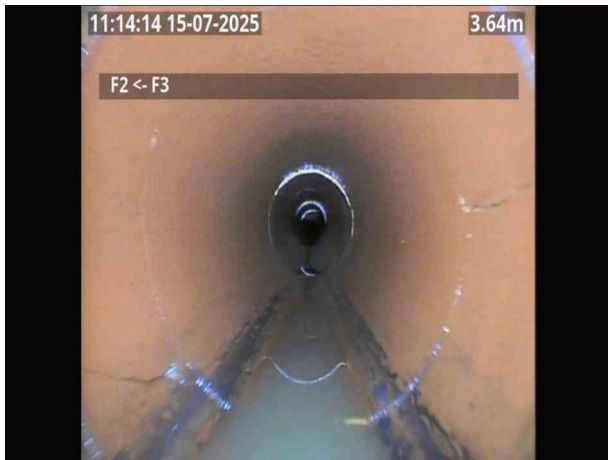
| | |
|-------------------------|--|
| Comments: | |
| Recommendations: | |

| Scale: | 1:374 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|---|-------|--------------|------|-------------|------|-------|-------|
| <div><div><div><div><div>Depth: m</div><div>F3</div><div><div><div><div>0.00</div><div>0.00</div><div>3.68</div><div>3.68</div><div>3.68</div><div>11.55</div><div>36.09</div><div>43.10</div></div></div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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| | | | | | | |

| Construction Features | | | | | Miscellaneous Features | | | | |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects | | | | | Service & Operational Observations | | | | |
| STR No. Def | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def | SER Peak | SER Mean | SER Total | SER Grade |
| 4 | 120.0 | 3.7 | 160.0 | 3.0 | 4 | 3.0 | 0.1 | 4.0 | 3.0 |

Section Pictures - 15/07/2025 - F2X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 37 | Upstream | F2X | | |



F2X_2c704cc1-e789-432b-be01-d95e629f4709_20250715_162516_134.jpg, 00:00:29, 3.68 m
Fracture, longitudinal at joint at 3 o'clock



F2X_24fa8d23-09b1-47c7-b50d-393e81cf9de0_20250715_162613_033.jpg, 00:00:59, 11.55 m
Fracture, circumferential at joint from 7 o'clock to 12 o'clock