# PRE-CONSTRUCTION CCTV INSPECTION REPORT

**Report ID:**

PC-5226 29 RUSSELL AVENUE

**Sewer Type:**

Sanitary

**Completion Date:**

July 18th, 2022

**Total Distance:**

124.10 M
99.3 m

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3187 Albion Road South, Ottawa, Ontario, Canada, K1V 8Y3

# Table of contents

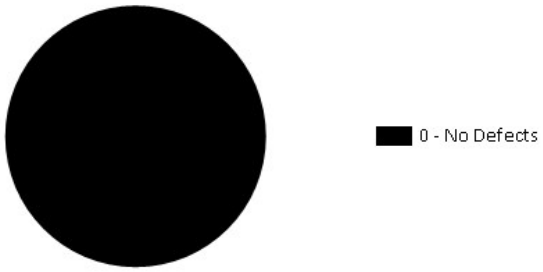
# 1. Index of Pipes (Custom)

2 items

| Start/End | Direction | Road | Inspection Date | Inspected Length | Total Length |
|---|---|---|---|---|---|
| MHSA 38938 --> MHSA 38937 | D - Downstream | RUSSELL AVENUE | 18/07/2022 8:06 AM | 99.3 | 99.3 |
| BUILDING --> MAIN | D - Downstream | RUSSELL AVENUE | 05/07/2023 3:27 PM | 24.8 | 24.8 |
| | | | | Total: 124.1 | Total: 124.1 |

# 2. Structural rating

**Structural rating of the pipes**




**Most important structural observations (Grades 3, 4 and 5)**

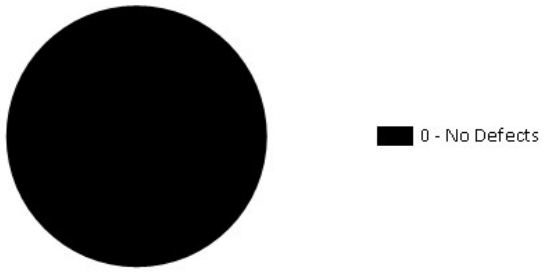
2 items

0 - No Defects (2 of 2 items)

| Score | Quick | Index | Pipe | Start/End | Direction | Road | Page |
|---|---|---|---|---|---|---|---|
| 0 | 0000 | 0 | BUILDING MAIN | BUILDING --> MAIN | Direction of flow | RUSSELL AVENUE | 5 |
| 0 | 0000 | 0 | MHSA 38938 MHSA 38937 | MHSA 38938 --> MHSA 38937 | Direction of flow | RUSSELL AVENUE | 7 |

# 3. O&M rating

**Operation and maintenance rating of the pipes**




**Most important operation & maintenance observations (Grades 3, 4 and 5)**

2 items

0 - No Defects (2 of 2 items)

| Score | Quick | Index | Structural | Pipe | Start/End | Direction | Road | Page |
|---|---|---|---|---|---|---|---|---|
| 0 | 0000 | 0 | 0 | BUILDING MAIN | BUILDING --> MAIN | Direction of flow | RUSSELL AVENUE | 5 |
| 0 | 0000 | 0 | 0 | MHSA 38938 MHSA 38937 | MHSA 38938 --> MHSA 38937 | Direction of flow | RUSSELL AVENUE | 7 |

# 4. Pipe summary and condition details

### Pipe identification

| | |
|---|---|
| **Pipe:** | BUILDING MAIN |
| **Direction of flow:** | BUILDING --> MAIN |

### Pipe location

| | | UPSTREAM | DOWNSTREAM |
|---|---|---|---|
| **Road:** | RUSSELL AVENUE | **Easting (X):** | **Easting (X):** |
| **Crossroad:** | | **Northing (Y):** | **Northing (Y):** |
| **Drainage Area:** | | **Elevation (Z):** | **Elevation (Z):** |
| **City:** | OTTAWA ON | | |
| **Location:** | | **GPS Accuracy:** | |
| **Owner:** | CITY OF OTTAWA | **Corrdinate System:** | |
| **Road segment:** | | **Vertical Datum:** | |

### Pipe characteristics

| | | | |
|---|---|---|---|
| **Sewer Use:** | Sanitary | **Inspected length:** | 24.8 |
| **Height:** | 150 | **Total length:** | 24.8 |
| **Width:** | | **Rim/Inv.:** | |
| **Shape:** | Circular | **Grade/Inv.:** | |
| **Material:** | Reinforced Concrete Pipe | **Rim/Grade:** | |
| **Lining:** | | **Rim/Inv.:** | |
| **Joint length:** | | **Grade/Inv.:** | |
| **Year laid:** | | **Rim/Grade:** | |
| **Year renewed:** | | **Sewer category:** | |

### Additional details

| | | | |
|---|---|---|---|
| **Date:** | 05/07/2023 3:27 PM | **Location details:** | |
| **Project Number:** | | **Surveyed by:** | RYAN LANCE |
| **Customer:** | PC-5226-PEARSON ENGINERING | **Certificate #:** | P0035571-012022 |
| **PO number:** | | **Pre-Cleaning:** | Jetting |
| **Work order:** | | **Date cleaned:** | |
| **Purpose:** | | **Unit of measurement:** | Metric |
| **Weather:** | Dry | **Media label:** | |
| **Flow control:** | Lift Station | **Sheet #:** | |

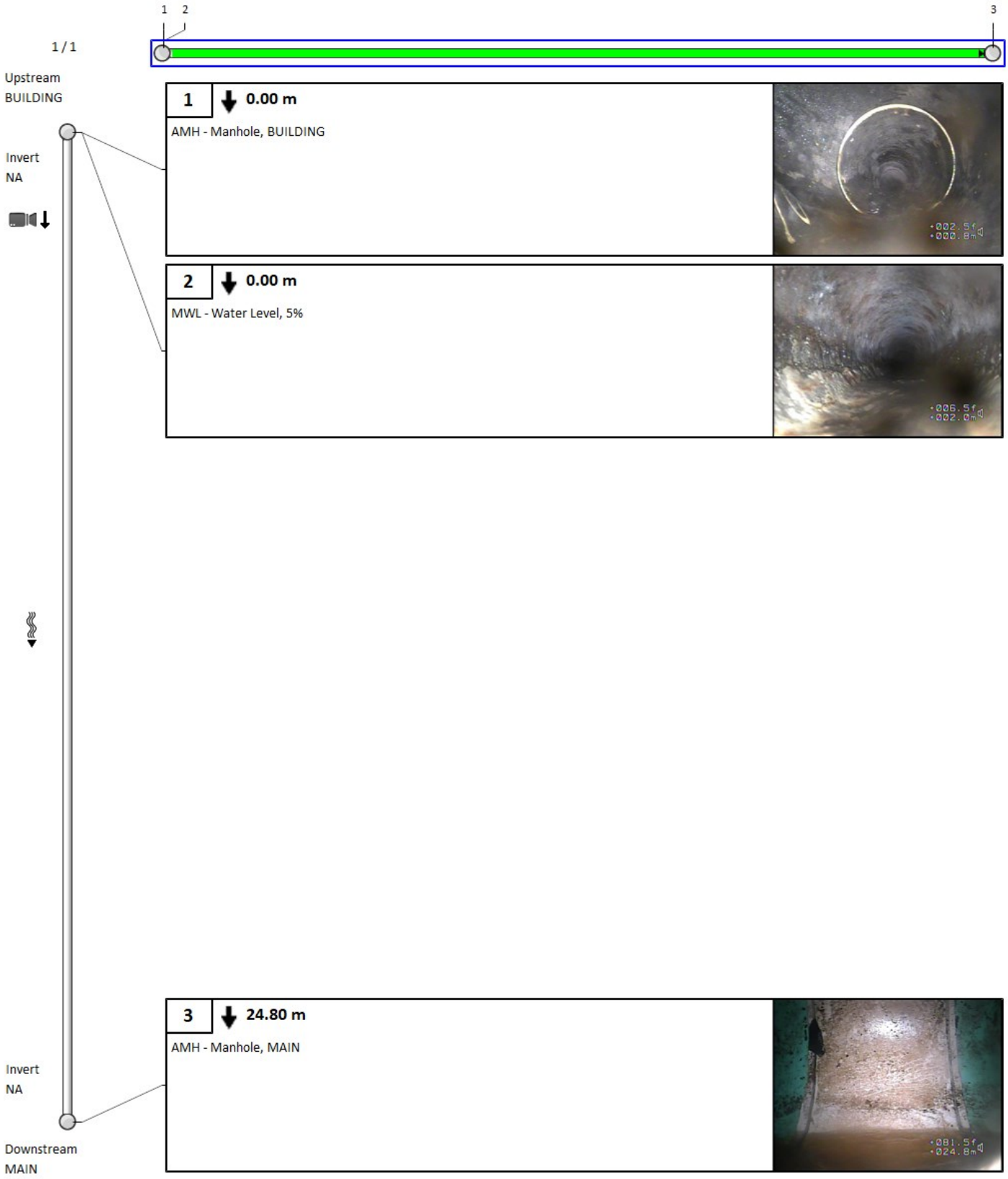
| Structural rating | | O&M rating | | Overall rating | |
|---|---|---|---|---|---|
| **Peak:** | 0 | **Peak:** | 0 | **Peak:** | 0 |
| **Quick rating:** | 0000 | **Quick rating:** | 0000 | **Quick rating:** | 0000 |
| **Score:** | 0 | **Score:** | 0 | **Score:** | 0 |
| **Index:** | 0 | **Index:** | 0 | **Index:** | 0 |

### Additional information

### Other information

| | | | |
|---|---|---|---|
| **Information 1:** | | **Information 6:** | |
| **Information 2:** | | **Information 7:** | |
| **Information 3:** | | **Information 8:** | |
| **Information 4:** | | **Information 9:** | |
| **Information 5:** | | **Information 10:** | |

# 4. Pipe summary and condition details



# 4. Pipe summary and condition details

### Pipe identification

**Pipe:** MHSA 38938 MHSA 38937
**Direction of flow:** MHSA 38938 --> MHSA 38937

### Pipe location

**Road:** RUSSELL AVENUE
**Crossroad:**
**Drainage Area:**
**City:** OTTAWA ON
**Location:**
**Owner:** CITY OF OTTAWA
**Road segment:**

| UPSTREAM | DOWNSTREAM |
|---|---|
| **Easting (X):** | **Easting (X):** |
| **Northing (Y):** | **Northing (Y):** |
| **Elevation (Z):** | **Elevation (Z):** |

**GPS Accuracy:**
**Corrdinate System:**
**Vertical Datum:**

### Pipe characteristics

**Sewer Use:** Sanitary
**Height:** 200
**Width:**
**Shape:** Circular
**Material:** Polyvinyl Chloride
**Lining:**
**Joint length:**
**Year laid:**
**Year renewed:**

**Inspected length:** 99.3
**Total length:** 99.3
**Rim/Inv.:**
**Grade/Inv.:**
**Rim/Grade:**
**Rim/Inv.:**
**Grade/Inv.:**
**Rim/Grade:**
**Sewer category:**

### Additional details

**Date:** 18/07/2022 8:06 AM
**Project Number:**
**Customer:** PC-5226-PEARSON ENGINERING
**PO number:**
**Work order:**
**Purpose:**
**Weather:** Dry
**Flow control:** Lift Station

**Location details:**
**Surveyed by:** RYAN LANCE
**Certificate #:** P0035571-012022
**Pre-Cleaning:** Jetting
**Date cleaned:**
**Unit of measurement:** Metric
**Media label:**
**Sheet #:**

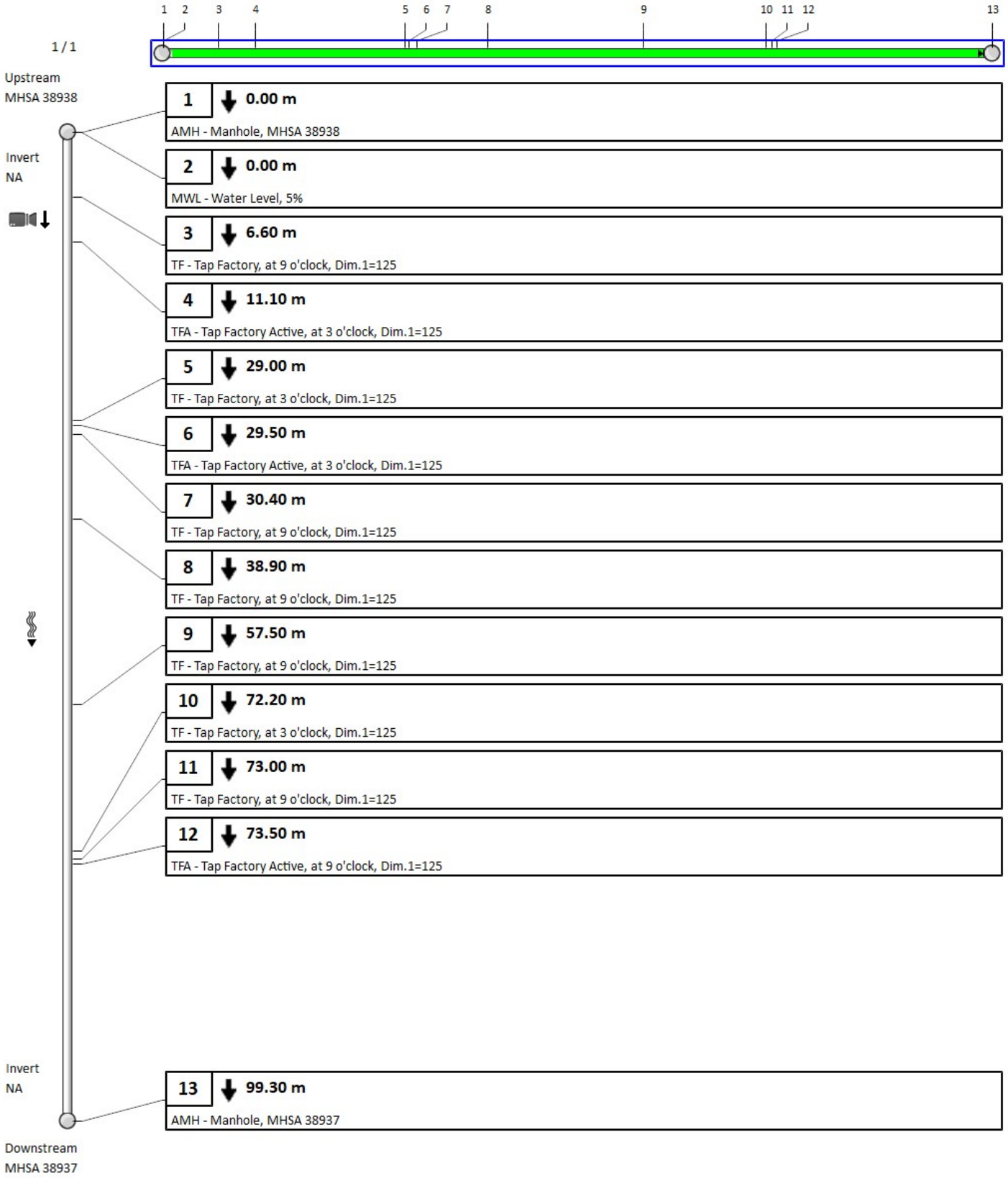
| Structural rating | | O&M rating | | Overall rating | |
|---|---|---|---|---|---|
| **Peak:** | 0 | **Peak:** | 0 | **Peak:** | 0 |
| **Quick rating:** | 0000 | **Quick rating:** | 0000 | **Quick rating:** | 0000 |
| **Score:** | 0 | **Score:** | 0 | **Score:** | 0 |
| **Index:** | 0 | **Index:** | 0 | **Index:** | 0 |

### Additional information

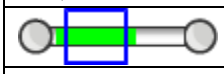
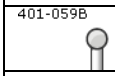
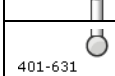
### Other information

**Information 1:**
**Information 2:**
**Information 3:**
**Information 4:**
**Information 5:**
**Information 6:**
**Information 7:**
**Information 8:**
**Information 9:**
**Information 10:**

# 4. Pipe summary and condition details



# Vision Report© Legend

| | |
|---|---|
|   | The numbers sequentially identify each observation. They allow you to find complete descriptions and related photos throughout the pages. Note that when the pipe contains too many observations, the Vision© report hides the least important observations to optimize the display*. |
| 60 | A number with neither a square nor circle indicates a general observation. |
|   | A circled number indicates a structural anomaly. The color of the circle indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5. |
|   | A number in a square indicates an operation and maintenance anomaly. The color of the square indicates the severity of the anomaly on a scale of 1 to 5, 5 being the most severe: green=1, blue=2, magenta=3, orange=4 and red=5. |
|   | Indicates the current page number of the inspection report. |
|  | The blue square indicates a section of the pipe; this section is covered in detail on the current page of the report. |
|  | The green line indicates the inspected part of the pipe. The remaining white line indicates the uninspected part of the pipe. |
|  | Indicates the hold points on the camera during an inspection. |
|  | Indicates the hold points on the camera during the reverse inspection. |
|  | Indicates that a reverse inspection was carried out, however the camera did not reach the initial inspection hold point. (the hold point of the initial inspection) |
|  | Indicates that a reverse inspection was carried out and that it has joined (has arrived at) the initial inspection hold point. |
|   | Identifies the start manhole number. Note that this manhole is not necessarily the upstream manhole of the pipe. |
|   | Identifies the end manhole number. Note that this manhole is not necessarily the downstream manhole of the pipe. |
|   | A downward arrow indicates that the inspection was carried out in the direction of the current, whereas an upward arrow indicates an inspection against the current.<br>Note that the manhole located on the upper left of the page is always the start manhole, but not necessarily the upstream manhole of the pipe. |
|  | This camera followed by a downward arrow is located on the upper left of the vertical pipe; it indicates that an inspection was done from this manhole. |
|  | When the second camera appears on the bottom left page it means that a reverse inspection was carried out. Information about the reverse inspection is included in the report, thereby combining both inspections. |
| Invert<br>3.40 | The measurement shown under the word <Invert> indicates the measurements between the frame and the pipe captured during the inspection. This measurement is available at the top left for the start manhole and the bottom left for the end manhole. If the invert was not measured during the inspection, an <NA> mark will be displayed. |
|   | The downward bold arrow to the right of the observation number indicates that this observation was captured during the initial inspection. |
|   | The blank arrow pointing upwards and located to the right of the observation number indicates that this observation was taken during the reverse inspection period, thereby confirming that this report combined both inspections. |
| 18.40 m | Located to the right of the observation number is a number identifying the observation distance in relation to the start of the pipe. |
| SRV - Armature visible | A full description of the observation code according to the protocol used. |

*Any hidden observations are readily accessible from the database as well as in other CTSpec report templates.

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