



## Project

**Project Name:** DK Adana City labs Hathersage Rd Manchester 19 02 24  
**Project Description:** WinCan Import in Miraculix Standard  
**Project Date:** 20/02/2024



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## Project Information

| Project Name                                         | Project Number | Project Date |
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| DK Adana City labs Hathersage Rd Manchester 19 02 24 |                | 20/02/2024   |

### Client

**Company:** Adana Construction  
**Department:** Adana House  
**Street:** 140 Higher Hillgate  
**Town or City:** Stockport  
**County:** Cheshire  
**Post Code:** SK1 3QT  
**Phone:** 0161 477 7211



### Site

**Company:** ADANA CONSTRUCTION  
**Contact:** DK Adana City labs Hathersage Rd Manchester 19 02 24



### Contractor

**Company:** NRCWWS  
**Contact:** Derek Kearns  
**Department:** Director  
**Street:** unit D. Russell Road  
**Town or City:** Rock Ferry  
**County:** Wirral  
**Post Code:** CH42 1LU  
**Phone:** 0151 643 0800  
**Email:** derek.kearns@nrcwws.co.uk



## Section Inspection - 19/02/2024 - 1X



|                      |                |                          |               |                              |                                |                               |                     |
|----------------------|----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>1        | Insp. No.<br>1 | Date<br>19/02/24         | Time<br>10:41 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>1X           |
| Operator<br>K.Graham |                | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 1        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 2.98 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 2.98 m             | Downstream Node:       | IFWMH1.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:

Recommendations:

| Scale:                                                                       | 1:50 | Position [m] | Code | Observation                                   | MPEG     | Photo | Grade |
|------------------------------------------------------------------------------|------|--------------|------|-----------------------------------------------|----------|-------|-------|
| <div> <div>                     Depth: m<br/>1                 </div> </div> |      |              |      |                                               |          |       |       |
|                                                                              |      | 0.00         | RE   | Start node, rodding eye, reference: 1: POP UP | 00:00:04 |       |       |
|                                                                              |      | 0.00         | WL   | Water level, 0% of the vertical dimension     | 00:00:10 |       |       |
|                                                                              |      | 0.45         | LR   | Line deviates right                           | 00:00:14 |       |       |
|                                                                              |      | 2.98         | MHF  | Finish node, manhole, reference: IFWMH1.0     | 00:00:25 |       |       |
|                                                                              |      |              |      |                                               |          |       |       |

| 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       |

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

---

2

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - 4X



|                      |                |                          |               |                              |                                |                               |                     |
|----------------------|----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>4        | Insp. No.<br>4 | Date<br>19/02/24         | Time<br>11:08 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>4X           |
| Operator<br>K.Graham |                | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 4       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 4.13 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 4.13 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale:                                                                       | 1:50 | Position [m] | Code | Observation                                                                            | MPEG     | Photo | Grade |
|------------------------------------------------------------------------------|------|--------------|------|----------------------------------------------------------------------------------------|----------|-------|-------|
| <div> <div>                     Depth: m<br/>4                 </div> </div> |      |              |      |                                                                                        |          |       |       |
|                                                                              |      | 0.00         | RE   | Start node, rodding eye, reference: 4: POP UP                                          | 00:00:00 |       |       |
|                                                                              |      | 0.00         | WL   | Water level, 0% of the vertical dimension                                              | 00:00:02 |       |       |
|                                                                              |      | 0.65         | LL   | Line deviates left                                                                     | 00:00:04 |       |       |
|                                                                              |      | 4.13         | BRF  | Finish node, major connection without manhole, reference: CARRIER: JOINS CARRIER TO MH | 00:00:18 |       |       |

| 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 - 19/02/2024 - 5X



|                      |                |                          |               |                              |                                |                               |                     |
|----------------------|----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>5        | Insp. No.<br>5 | Date<br>19/02/24         | Time<br>11:08 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>5X           |
| Operator<br>K.Graham |                | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

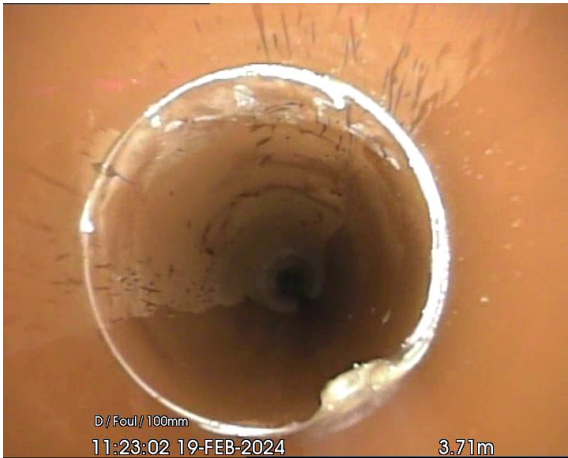
|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 5        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 9.56 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 9.56 m             | Downstream Node:       | IFWMH1.1 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |
| Comments:           |                       |                       |                    |                        |          |
| Recommendations:    |                       |                       |                    |                        |          |

| Scale:                                                                                                                                                                            | 1:83 | Position [m] | Code | Observation                                                                               | MPEG     | Photo                               | Grade |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------------------------------------------------------|----------|-------------------------------------|-------|
| <div><div>Depth: m</div><div>5</div><div><div></div><div>0.00</div><div>0.00</div><div>0.69</div><div>3.21</div><div>9.56</div></div><div>IFWMH1.1</div><div>Depth: m</div></div> |      |              |      |                                                                                           |          |                                     |       |
|                                                                                                                                                                                   |      | 0.00         | RE   | Start node, rodding eye, reference: 5                                                     | 00:00:00 |                                     |       |
|                                                                                                                                                                                   |      | 0.00         | WL   | Water level, 0% of the vertical dimension                                                 | 00:00:01 |                                     |       |
|                                                                                                                                                                                   |      | 0.69         | LL   | Line deviates left                                                                        | 00:00:05 |                                     |       |
|                                                                                                                                                                                   |      | 3.21         | DEE  | Attached deposits, encrustation from 4 o'clock to 5 o'clock, 5% cross-sectional area loss | 00:00:13 | 5X_9152fb<br>a8-ba31-4<br>409-a825- | 3     |
|                                                                                                                                                                                   |      | 9.56         | MHF  | Finish node, manhole, reference: IFWMH1.1                                                 | 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 |
| 0                     | 0.0      | 0.0      | 0.0       | 1.0       | 1                                  | 2.0      | 0.2      | 2.0       | 3.0       |

## Section Pictures - 19/02/2024 - 5X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 5        | Downstream           | 5X  | DK ADANA         | NRC WWS LTD          |



5X\_9152fba8-ba31-4409-a825-1384a7787cf2\_20240220\_130  
128\_571.jpg, 00:00:13, 3.21 m

Attached deposits, encrustation from 4 o'clock to 5 o'clock, 5%  
cross-sectional area loss

## Section Inspection - 19/02/2024 - 6X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>6        | Insp. No.<br>15 | Date<br>19/02/24         | Time<br>12:30 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>6X           |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 6        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 10.64 m            | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 10.64 m            | Downstream Node:       | IFWMH2.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: | 1.350 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:

Recommendations:

| Scale:                                                                                                                                                                                                                | 1:93 | Position [m] | Code | Observation                               | MPEG     | Photo | Grade |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>6</div> <div> <div>0.00</div> <div>0.00</div> <div>0.83</div> </div> <div> <div>7.55</div> <div>9.96</div> <div>10.64</div> </div> <div>IFWMH2.0</div> <div>Depth: 1.35 m</div> </div> |      |              |      |                                           |          |       |       |
|                                                                                                                                                                                                                       |      | 0.00         | RE   | Start node, rodding eye, reference: 6     | 00:00:00 |       |       |
|                                                                                                                                                                                                                       |      | 0.00         | WL   | Water level, 5% of the vertical dimension | 00:00:02 |       |       |
|                                                                                                                                                                                                                       |      | 0.83         | LL   | Line deviates left                        | 00:00:04 |       |       |
|                                                                                                                                                                                                                       |      | 7.55         | LR   | Line deviates right                       | 00:00:28 |       |       |
|                                                                                                                                                                                                                       |      | 9.96         | LL   | Line deviates left                        | 00:00:35 |       |       |
|                                                                                                                                                                                                                       |      | 10.64        | MHF  | Finish node, manhole, reference: IFWMH2.0 | 00:00:38 |       |       |

Construction Features

Miscellaneous Features

Structural Defects

Service &amp; 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 - 19/02/2024 - 7X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>7        | Insp. No.<br>13 | Date<br>19/02/24         | Time<br>12:11 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>7X           |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 7        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 12.14 m            | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 12.14 m            | Downstream Node:       | IFWMH1.2 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:

Recommendations:

| Scale: 1:106                                  | Position [m] | Code | Observation                                            | MPEG     | Photo                               | Grade                |
|-----------------------------------------------|--------------|------|--------------------------------------------------------|----------|-------------------------------------|----------------------|
| <div> <div>Depth: m</div> <div>7</div> </div> |              |      |                                                        |          |                                     |                      |
|                                               | 0.00         | RE   | Start node, rodding eye, reference: 7                  | 00:00:00 |                                     |                      |
|                                               | 0.00         | WL   | Water level, 0% of the vertical dimension              | 00:00:01 |                                     |                      |
|                                               | 0.80         | DER  | Settled deposits, coarse, 5% cross-sectional area loss | 00:00:03 | 7X_652b0<br>1c9-c048-<br>45aa-b1f7- | 3                    |
|                                               | 1.10         | LL   | Line deviates left                                     | 00:00:07 |                                     |                      |
|                                               | 6.16         | JN   | Junction at 12 o'clock, 100mm dia: POP UP 16           | 00:00:19 |                                     |                      |
|                                               | 12.14        | MHF  | Finish node, manhole, reference: IFWMH1.2              | 00:00:30 |                                     |                      |
|                                               |              |      |                                                        |          |                                     | IFWMH1.2<br>Depth: m |

Construction Features

Miscellaneous Features

Structural Defects

Service &amp; 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      | 0.2      | 2.0       | 3.0       |

## Section Pictures - 19/02/2024 - 7X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 7        | Downstream           | 7X  | DK ADANA         | NRC WWS LTD          |



7X\_652b01c9-c048-45aa-b1f7-cfa4fb08588b\_20240220\_1302  
14\_689.jpg, 00:00:03, 0.80 m

Settled deposits, coarse, 5% cross-sectional area loss

## Section Inspection - 19/02/2024 - 8X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>8        | Insp. No.<br>16 | Date<br>19/02/24         | Time<br>12:30 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>8X           |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 8        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 8.08 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 8.08 m             | Downstream Node:       | IFWMH2.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: | 1.350 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |
| Comments:           |                       |                       |                    |                        |          |
| Recommendations:    |                       |                       |                    |                        |          |

| Scale:                                                    | 1:70 | Position [m] | Code | Observation                                   | MPEG     | Photo | Grade |
|-----------------------------------------------------------|------|--------------|------|-----------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>8</div> </div>             |      |              |      |                                               |          |       |       |
|                                                           |      | 0.00         | RE   | Start node, rodding eye, reference: 8: POP UP | 00:00:00 |       |       |
|                                                           |      | 0.00         | WL   | Water level, 5% of the vertical dimension     | 00:00:00 |       |       |
|                                                           |      | 0.97         | LL   | Line deviates left                            | 00:00:03 |       |       |
|                                                           |      | 1.76         | WL   | Water level, 10% of the vertical dimension    | 00:00:10 |       |       |
|                                                           |      | 2.41         | JN   | Junction at 12 o'clock, 100mm dia: POP UP 9   | 00:00:15 |       |       |
|                                                           |      | 3.60         | JN   | Junction at 12 o'clock, 100mm dia: POP UP 10  | 00:00:21 |       |       |
|                                                           |      | 4.72         | LR   | Line deviates right                           | 00:00:27 |       |       |
|                                                           |      | 5.41         | LL   | Line deviates left                            | 00:00:31 |       |       |
|                                                           |      | 5.41         | REM  | General remark: WATER ON LENS                 | 00:00:31 |       |       |
|                                                           |      | 8.08         | MHF  | Finish node, manhole, reference: IFWMH2.0     | 00:00:45 |       |       |
| <div> <div>IFWMH2.0</div> <div>Depth: 1.35 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 - 19/02/2024 - 9X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>9        | Insp. No.<br>17 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>9X           |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 9        |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.93 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 0.93 m             | Downstream Node:       | IFWMH2.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: | 1.350 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                                             | MPEG     | Photo | Grade |
|--------|------|--------------|------|-----------------------------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                                         |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 9                                                   | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                                               | 00:00:00 |       |       |
|        |      | 0.61         | LL   | Line deviates left                                                                      | 00:00:03 |       |       |
|        |      | 0.93         | BRF  | Finish node, major connection without manhole, reference: IFWMH2.0: JOINS CARRIER TO MH | 00:00:05 |       |       |

| 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 - 19/02/2024 - 10X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>10       | Insp. No.<br>18 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>10X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 10      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 1.08 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 1.08 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 10                            | 00:00:01 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:01 |       |       |
|        |      | 0.89         | LL   | Line deviates left                                                | 00:00:07 |       |       |
|        |      | 1.08         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:09 |       |       |

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

## Section Inspection - 19/02/2024 - 11X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>11       | Insp. No.<br>19 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>11X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 11      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.93 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 0.93 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:  
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 11                            | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:01 |       |       |
|        |      | 0.71         | LL   | Line deviates left                                                | 00:00:04 |       |       |
|        |      | 0.93         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:06 |       |       |

| 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 - 19/02/2024 - 12X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>12       | Insp. No.<br>20 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>12X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 12       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 8.10 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 8.10 m             | Downstream Node:       | IFWMH2.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: | 1.350 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1:71 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>12</div> <div> <div>0.00</div> <div>0.00</div> <div>0.83</div> <div>2.21</div> <div>3.51</div> <div>4.94</div> <div>8.10</div> </div> <div> <div>RE</div> <div>WL</div> <div>LL</div> <div>JN</div> <div>JN</div> <div>JN</div> <div>MHF</div> </div> <div> <div>Start node, rodding eye, reference: 12</div> <div>Water level, 5% of the vertical dimension</div> <div>Line deviates left</div> <div>Junction at 12 o'clock, 100mm dia: POP UP13</div> <div>Junction at 12 o'clock, 100mm dia: POP UP14</div> <div>Junction at 12 o'clock, 100mm dia: POP UP15</div> <div>Finish node, manhole, reference: IFWMH2.0</div> </div> <div> <div>00:00:01</div> <div>00:00:01</div> <div>00:00:04</div> <div>00:00:10</div> <div>00:00:16</div> <div>00:00:21</div> <div>00:00:31</div> </div> </div> |      |              |      |             |      |       |       |
| <div> <div>IFWMH2.0</div> <div>Depth: 1.35 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 - 19/02/2024 - 13X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>13       | Insp. No.<br>21 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>13X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 13      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 1.00 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 1.00 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                                              | MPEG     | Photo | Grade |
|--------|------|--------------|------|------------------------------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                                          |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 13: POP UP                                           | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                                                | 00:00:01 |       |       |
|        |      | 0.69         | LR   | Line deviates right                                                                      | 00:00:05 |       |       |
|        |      | 1.00         | BRF  | Finish node, major connection without manhole, reference: CARRIER: JOINS CARRIER TO MAIN | 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 - 19/02/2024 - 14X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>14       | Insp. No.<br>22 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>14X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 14      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.94 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 0.94 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:  
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 14                            | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:00 |       |       |
|        |      | 0.63         | LL   | Line deviates left                                                | 00:00:05 |       |       |
|        |      | 0.94         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:07 |       |       |

| 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 - 19/02/2024 - 15X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>15       | Insp. No.<br>23 | Date<br>19/02/24         | Time<br>12:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>15X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 15      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.87 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 0.87 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:  
Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 15                            | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:01 |       |       |
|        |      | 0.55         | LL   | Line deviates left                                                | 00:00:03 |       |       |
|        |      | 0.87         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:05 |       |       |

| 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 - 19/02/2024 - 16X



|                      |                |                          |               |                              |                                |                               |                     |
|----------------------|----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>16       | Insp. No.<br>6 | Date<br>19/02/24         | Time<br>11:27 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>16X          |
| Operator<br>K.Graham |                | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 16       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 6.80 m             | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 6.80 m             | Downstream Node:       | IFWMH1.2 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:

Recommendations:

| Scale:                                                                                                                                                                              | 1:59 | Position [m] | Code | Observation                               | MPEG     | Photo | Grade |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>16</div> <div> <div>0.00</div> <div>0.00</div> <div>0.63</div> <div>1.14</div> </div> <div>6.80</div> <div>IFWMH1.2</div> <div>Depth: m</div> </div> |      |              |      |                                           |          |       |       |
|                                                                                                                                                                                     |      | 0.00         | RE   | Start node, rodding eye, reference: 16    | 00:00:01 |       |       |
|                                                                                                                                                                                     |      | 0.00         | WL   | Water level, 0% of the vertical dimension | 00:00:01 |       |       |
|                                                                                                                                                                                     |      | 0.63         | LL   | Line deviates left                        | 00:00:04 |       |       |
|                                                                                                                                                                                     |      | 1.14         | LL   | Line deviates left: DROPS ON CARRIER      | 00:00:16 |       |       |
|                                                                                                                                                                                     |      | 6.80         | MHF  | Finish node, manhole, reference: IFWMH1.2 | 00:00:28 |       |       |

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

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - 18X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>18       | Insp. No.<br>11 | Date<br>19/02/24         | Time<br>12:05 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>18X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 18      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 3.30 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 3.30 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

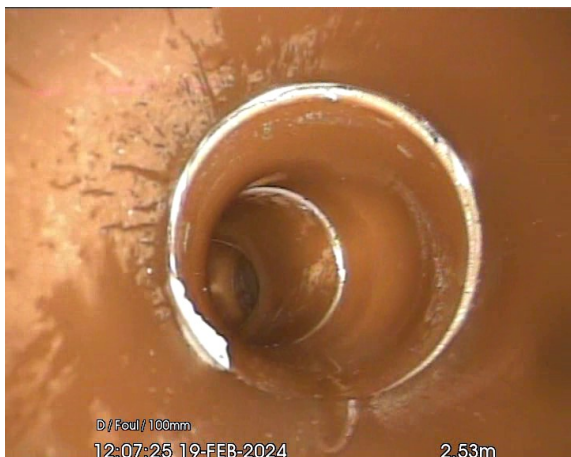
Comments:  
Recommendations:

| Scale:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------|------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>18</div> <div> </div> </div> <div> <div>0.00</div> <div>RE</div> <div>Start node, rodding eye, reference: 18: POP UP</div> <div>00:00:01</div> </div> <div> <div>0.00</div> <div>WL</div> <div>Water level, 5% of the vertical dimension</div> <div>00:00:02</div> </div> <div> <div>0.61</div> <div>LL</div> <div>Line deviates left</div> <div>00:00:05</div> </div> <div> <div>2.53</div> <div>DEE</div> <div>Attached deposits, encrustation at 7 o'clock, 5% cross-sectional area loss</div> <div>00:00:12</div> </div> <div> <div>2.88</div> <div>LL</div> <div>Line deviates left</div> <div>00:00:14</div> </div> <div> <div>3.30</div> <div>BRF</div> <div>Finish node, major connection without manhole, reference: CARRIER: JONS CARRIER TO MH</div> <div>00:00:16</div> </div> <div> <div>CARRIER</div> <div>Depth: m</div> </div> </div> |      |              |      |             |      |       |       |
| <div> <div>18X_4407</div> <div>e400-db61</div> <div>-41bf-a106</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       | 1                                  | 2.0      | 0.6      | 2.0       | 3.0       |

## Section Pictures - 19/02/2024 - 18X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 18       | Downstream           | 18X | DK ADANA         | NRC WWS LTD          |



18X\_4407e400-db61-41bf-a106-9af9e3682a95\_20240220\_13  
0452\_072.jpg, 00:00:12, 2.53 m

Attached deposits, encrustation at 7 o'clock, 5%  
cross-sectional area loss

## Section Inspection - 19/02/2024 - 19X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>19       | Insp. No.<br>12 | Date<br>19/02/24         | Time<br>12:05 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>19X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 19       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 12.00 m            | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 12.00 m            | Downstream Node:       | IFWMH1.2 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale: 1:104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Position [m] | Code | Observation | MPEG | Photo | Grade |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>19</div> <div> <div>0.00</div> <div>0.00</div> <div>0.75</div> <div>3.12</div> <div>12.00</div> </div> <div> <div>RE</div> <div>WL</div> <div>LL</div> <div>JN</div> <div>MHF</div> </div> <div> <div>Start node, rodding eye, reference: 19: POP UP</div> <div>Water level, 5% of the vertical dimension</div> <div>Line deviates left</div> <div>Junction at 3 o'clock, 100mm dia: POP UP 18</div> <div>Finish node, manhole, reference: IFWMH1.2</div> </div> <div> <div>00:00:00</div> <div>00:00:01</div> <div>00:00:08</div> <div>00:00:20</div> <div>00:00:42</div> </div> </div> |              |      |             |      |       |       |
| <div> <div>IFWMH1.2</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 - 19/02/2024 - 20X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>20       | Insp. No.<br>25 | Date<br>19/02/24         | Time<br>13:04 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>20X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 20       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 11.26 m            | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 11.26 m            | Downstream Node:       | IFWMH2.0 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: | 1.350 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale:                                                                                                                                                       | 1:98 | Position [m] | Code | Observation                               | MPEG     | Photo | Grade |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>20</div> <div>0.00</div> <div>0.00</div> <div>8.48</div> <div>11.26</div> <div>IFWMH2.0</div> <div>Depth: 1.35 m</div> </div> |      |              |      |                                           |          |       |       |
|                                                                                                                                                              |      | 0.00         | RE   | Start node, rodding eye, reference: 20    | 00:00:00 |       |       |
|                                                                                                                                                              |      | 0.00         | WL   | Water level, 0% of the vertical dimension | 00:00:01 |       |       |
|                                                                                                                                                              |      | 8.48         | JN   | Junction at 12 o'clock, 100mm dia         | 00:00:23 |       |       |
|                                                                                                                                                              |      | 11.26        | MHF  | Finish node, manhole, reference: IFWMH2.0 | 00:00:30 |       |       |

| 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 - 19/02/2024 - 21X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>21       | Insp. No.<br>24 | Date<br>19/02/24         | Time<br>12:59 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>21X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 21      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 1.35 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 1.35 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | GY   | Start node, gully, reference: 21                                  | 00:00:01 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:02 |       |       |
|        |      | 0.28         | LD   | Line deviates down                                                | 00:00:04 |       |       |
|        |      | 0.58         | LL   | Line deviates left                                                | 00:00:08 |       |       |
|        |      | 1.35         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 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 - 19/02/2024 - 22X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>22       | Insp. No.<br>26 | Date<br>19/02/24         | Time<br>13:21 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>22X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | 22      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 1.33 m             | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 1.33 m             | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale:                                                                   | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------------------------------------------------------------------------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>22</div> <div> </div> </div> </div> |      |              |      |                                                                   |          |       |       |
|                                                                          |      | 0.00         | GY   | Start node, gully, reference: 22                                  | 00:00:02 |       |       |
|                                                                          |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:02 |       |       |
|                                                                          |      | 0.26         | LD   | Line deviates down                                                | 00:00:05 |       |       |
|                                                                          |      | 1.33         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:10 |       |       |
|                                                                          |      |              |      |                                                                   |          |       |       |

| 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 |
| 0                     | 0.0      | 0.0      | 0.0       | 1.0       | 0                                  | 0.0      | 0.0      | 0.0       | 1.0       |

## Section Inspection - 19/02/2024 - 23X



| Item No. | Insp. No. | Date          | Time  | Client's Job Ref | Weather         | Pre Cleaned   | PLR            |
|----------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 23       | 29        | 19/02/24      | 15:15 | DK ADANA         | No Rain Or Snow | No            | 23X            |
| Operator |           | Vehicle       |       | Camera           | Preset Length   | Legal Status  | Alternative ID |
| K.Graham |           | Not Specified |       | Solo Pro         | Not Specified   | Not Specified | 1              |

|                            |                       |                              |                |                               |         |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|---------|
| <b>Town or Village:</b>    | Manchester            | <b>Inspection Direction:</b> | Downstream     | <b>Upstream Node:</b>         | 23      |
| <b>Road:</b>               | Hathersgate Rd        | <b>Inspected Length:</b>     | 10.38 m        | <b>Upstream Pipe Depth:</b>   |         |
| <b>Location:</b>           | Property or buildings | <b>Total Length:</b>         | 10.38 m        | <b>Downstream Node:</b>       | CARRIER |
| <b>Surface Type:</b>       |                       | <b>Joint Length:</b>         |                | <b>Downstream Pipe Depth:</b> |         |
| <b>Use:</b>                | Foul                  | <b>Pipe Shape:</b>           | Circular       |                               |         |
| <b>Type of Pipe:</b>       | Gravity drain/sewer   | <b>Dia/Height:</b>           | 100 mm         |                               |         |
| <b>Flow Control:</b>       |                       | <b>Pipe Material:</b>        | Vitrified clay |                               |         |
| <b>Year Constructed:</b>   | Not Specified         | <b>Lining Type:</b>          | No Lining      |                               |         |
| <b>Inspection Purpose:</b> | Routine inspection    | <b>Lining Material:</b>      | No Lining      |                               |         |

**Comments:**

**Recommendations:**

| Scale:                                                                                                          | 1:90 | Position [m] | Code | Observation                                                                             | MPEG     | Photo                              | Grade |
|-----------------------------------------------------------------------------------------------------------------|------|--------------|------|-----------------------------------------------------------------------------------------|----------|------------------------------------|-------|
| <div> <div> <div>Depth: m</div> <div>23</div> </div> <div> <div>CARRIER</div> <div>Depth: m</div> </div> </div> |      |              |      |                                                                                         |          |                                    |       |
|                                                                                                                 |      | 0.00         | RE   | Start node, rodding eye, reference: 23                                                  | 00:00:00 |                                    |       |
|                                                                                                                 |      | 0.00         | WL   | Water level, 0% of the vertical dimension                                               | 00:00:00 |                                    |       |
|                                                                                                                 |      | 0.53         | DEC  | Settled deposits, hard or compacted, 5% cross-sectional area loss: STONES UNABLE TO JET | 00:00:16 | 23X_c919<br>3ec7-2856<br>-419d-b54 | 3     |
|                                                                                                                 |      | 0.95         | JN   | Junction at 3 o'clock, 100mm dia: 24 POP UP                                             | 00:00:19 |                                    |       |
|                                                                                                                 |      | 2.07         | JN   | Junction at 3 o'clock, 100mm dia: 25 POP UP                                             | 00:00:27 |                                    |       |
|                                                                                                                 |      | 6.64         | DEC  | Settled deposits, hard or compacted, 5% cross-sectional area loss: STONES               | 00:00:40 | 23X_0217<br>8932-7984<br>-4a5b-b4e | 3     |
|                                                                                                                 |      | 9.92         | LR   | Line deviates right                                                                     | 00:00:50 |                                    |       |
|                                                                                                                 |      | 10.38        | BRF  | Finish node, major connection without manhole, reference: CARRIER                       | 00:00:52 |                                    |       |

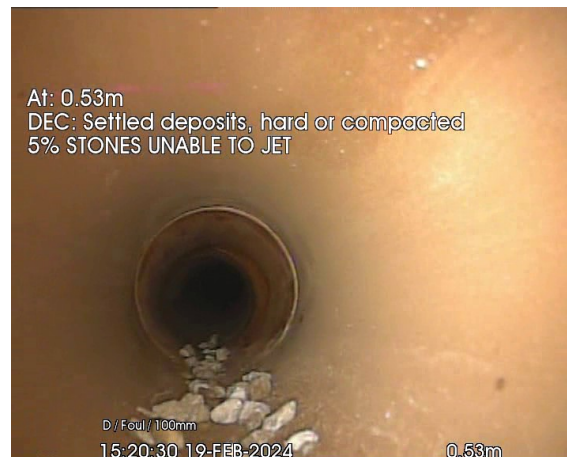
| Construction Features |          |          |           |           | Miscellaneous Features             |          |          |           |           |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| 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       | 2                                  | 2.0      | 0.4      | 4.0       | 3.0       |

## Section Pictures - 19/02/2024 - 23X

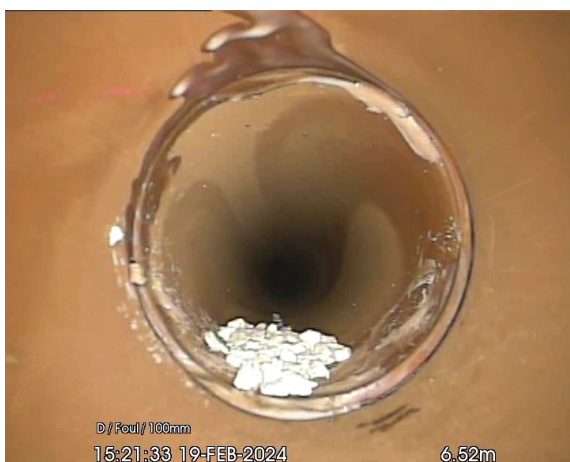
| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 23       | Downstream           | 23X | DK ADANA         | NRC WWS LTD          |



23X\_c9193ec7-2856-419d-b543-537437b5a12a\_20240220\_130726\_204.jpg, 00:00:16, 0.53 m  
Settled deposits, hard or compacted, 5% cross-sectional area loss, STONES UNABLE TO JET



23X\_a6fa35dc-f304-4b1b-a927-afd43327ad87\_20240220\_130737\_782.jpg, 00:00:16, 0.53 m  
Settled deposits, hard or compacted, 5% cross-sectional area loss, STONES UNABLE TO JET



23X\_02178932-7984-4a5b-b4ee-d4d9c6864987\_20240220\_130752\_169.jpg, 00:00:40, 6.64 m  
Settled deposits, hard or compacted, 5% cross-sectional area loss, STONES

## Section Inspection - 19/02/2024 - 24X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>24       | Insp. No.<br>30 | Date<br>19/02/24         | Time<br>15:22 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>No             | PLR<br>24X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 24      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 1.13 m         | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 1.13 m         | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                                   |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 24                            | 00:00:00 |       |       |
|        |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:00 |       |       |
|        |      | 0.34         | LD   | Line deviates down                                                | 00:00:01 |       |       |
|        |      | 1.13         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:13 |       |       |

| 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 - 19/02/2024 - 25X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>25       | Insp. No.<br>31 | Date<br>19/02/24         | Time<br>15:22 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>25X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 25      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.71 m         | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 0.71 m         | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo                              | Grade |
|--------|------|--------------|------|-------------------------------------------------------------------|----------|------------------------------------|-------|
|        |      |              |      |                                                                   |          |                                    |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 25                            | 00:00:01 |                                    |       |
|        |      | 0.01         | WL   | Water level, 0% of the vertical dimension                         | 00:00:01 |                                    |       |
|        |      | 0.30         | DER  | Settled deposits, coarse, 5% cross-sectional area loss            | 00:00:02 | 25X_7717<br>47d0-0e43<br>-4179-86a | 3     |
|        |      | 0.71         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 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       | 1                                  | 2.0      | 2.8      | 2.0       | 4.0       |

## Section Pictures - 19/02/2024 - 25X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 25       | Downstream           | 25X | DK ADANA         | NRC WWS LTD          |



25X\_771747d0-0e43-4179-86a4-d82d3fb5ba30\_20240220\_1  
30837\_022.jpg, 00:00:02, 0.30 m

Settled deposits, coarse, 5% cross-sectional area loss

## Section Inspection - 19/02/2024 - 26X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>26       | Insp. No.<br>32 | Date<br>19/02/24         | Time<br>15:27 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>26X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 26      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 3.95 m         | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 3.95 m         | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

Comments:  
Recommendations:

| Scale:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------|------|-------|-------|
| <div> <div>Depth: m</div> <div>26</div> <div> <div>0.00</div> <div>0.00</div> <div>1.72</div> <div>3.58</div> <div>3.95</div> </div> <div> <div>RE</div> <div>WL</div> <div>JN</div> <div>LL</div> <div>BRF</div> </div> <div> <div>Start node, rodding eye, reference: 26</div> <div>Water level, 0% of the vertical dimension</div> <div>Junction at 9 o'clock, 100mm dia</div> <div>Line deviates left</div> <div>Finish node, major connection without manhole, reference: CARRIER</div> </div> <div> <div>00:00:00</div> <div>00:00:01</div> <div>00:00:09</div> <div>00:00:15</div> <div>00:00:18</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       |

**WEB PROJECT**  
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## Section Inspection - 19/02/2024 - 29X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>28       | Insp. No.<br>33 | Date<br>19/02/24         | Time<br>15:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>29X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |          |
|---------------------|-----------------------|-----------------------|----------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 29       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 5.16 m         | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 5.16 m         | Downstream Node:       | IFWMH3.0 |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |          |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |          |

Comments:

Recommendations:

| Scale: | 1:50 | Position [m] | Code | Observation                                    | MPEG     | Photo | Grade |
|--------|------|--------------|------|------------------------------------------------|----------|-------|-------|
|        |      |              |      |                                                |          |       |       |
|        |      | 0.00         | RE   | Start node, rodding eye, reference: 29: POP UP | 00:00:01 |       |       |
|        |      | 0.00         | WL   | Water level, 5% of the vertical dimension      | 00:00:07 |       |       |
|        |      | 0.32         | LD   | Line deviates down                             | 00:00:09 |       |       |
|        |      | 4.51         | LL   | Line deviates left                             | 00:00:23 |       |       |
|        |      | 5.16         | MHF  | Finish node, manhole, reference: IFWMH3.0      | 00:00:25 |       |       |

## Construction Features

## Miscellaneous Features

## Structural Defects

## Service &amp; 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 - 19/02/2024 - 30X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>29       | Insp. No.<br>34 | Date<br>19/02/24         | Time<br>15:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>30X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |          |
|---------------------|-----------------------|-----------------------|----------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 30       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 3.38 m         | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 3.38 m         | Downstream Node:       | IFWMH3.0 |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |          |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |          |

Comments:  
Recommendations:

| Scale:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1:50 | Position [m] | Code | Observation | MPEG | Photo | Grade |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|-------------|------|-------|-------|
| <div> <div> <div>Depth: m</div> <div>30</div> </div> <div> <div>0.00</div> <div>RE</div> <div>Start node, rodding eye, reference: 30</div> <div>00:00:01</div> </div> <div> <div>0.00</div> <div>WL</div> <div>Water level, 5% of the vertical dimension</div> <div>00:00:01</div> </div> <div> <div>2.81</div> <div>LL</div> <div>Line deviates left</div> <div>00:00:12</div> </div> <div> <div>3.38</div> <div>MHF</div> <div>Finish node, manhole, reference: IFWMH3.0</div> <div>00:00:15</div> </div> <div> <div>IFWMH3.0</div> <div>Depth: m</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       |

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - 32X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>31       | Insp. No.<br>38 | Date<br>19/02/24         | Time<br>15:43 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>32X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 32      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 0.85 m         | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 0.85 m         | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

Comments:

Recommendations:

| Scale:                                                                        | 1:50 | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|-------------------------------------------------------------------------------|------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
| <div> <div>                     Depth: m<br/>32                 </div> </div> |      |              |      |                                                                   |          |       |       |
|                                                                               |      | 0.00         | RE   | Start node, rodding eye, reference: 32: POP UP                    | 00:00:00 |       |       |
|                                                                               |      | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:01 |       |       |
|                                                                               |      | 0.85         | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:00:07 |       |       |

| 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       |

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - 34X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>33       | Insp. No.<br>36 | Date<br>19/02/24         | Time<br>15:43 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>34X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |          |
|---------------------|-----------------------|-----------------------|----------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 34       |
| Road:               | Hathersgate Rd        | Inspected Length:     | 8.94 m         | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 8.94 m         | Downstream Node:       | IFWMH3.0 |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |          |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |          |

Comments:

Recommendations:

| Scale:                                                                                                                                                                                                              | 1:78 | Position [m] | Code | Observation                                  | MPEG     | Photo | Grade |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|------|----------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>34</div> <div> <div>0.00</div> <div>0.00</div> <div>1.33</div> <div>6.92</div> <div>7.26</div> <div>7.85</div> <div>8.94</div> </div> <div>IFWMH3.0</div> <div>Depth: m</div> </div> |      |              |      |                                              |          |       |       |
|                                                                                                                                                                                                                     |      | 0.00         | RE   | Start node, rodding eye, reference: 34       | 00:00:00 |       |       |
|                                                                                                                                                                                                                     |      | 0.00         | WL   | Water level, 5% of the vertical dimension    | 00:00:00 |       |       |
|                                                                                                                                                                                                                     |      | 1.33         | LL   | Line deviates left                           | 00:00:07 |       |       |
|                                                                                                                                                                                                                     |      | 6.92         | WL   | Water level, 10% of the vertical dimension   | 00:00:27 |       |       |
|                                                                                                                                                                                                                     |      | 7.26         | JN   | Junction at 11 o'clock, 100mm dia: 33 POP UP | 00:00:30 |       |       |
|                                                                                                                                                                                                                     |      | 7.85         | JN   | Junction at 12 o'clock, 100mm dia: 32 POP UP | 00:00:36 |       |       |
|                                                                                                                                                                                                                     |      | 8.94         | MHF  | Finish node, manhole, reference: IFWMH3.0    | 00:00:42 |       |       |

Construction Features

Miscellaneous Features

Structural Defects

Service &amp; 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 - 19/02/2024 - 35X



|                             |                        |                                 |                      |                                     |                                       |                                      |                            |
|-----------------------------|------------------------|---------------------------------|----------------------|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------|
| <b>Item No.</b><br>34       | <b>Insp. No.</b><br>44 | <b>Date</b><br>19/02/24         | <b>Time</b><br>16:34 | <b>Client`s Job Ref</b><br>DK ADANA | <b>Weather</b><br>No Rain Or Snow     | <b>Pre Cleaned</b><br>Yes            | <b>PLR</b><br>35X          |
| <b>Operator</b><br>K.Graham |                        | <b>Vehicle</b><br>Not Specified |                      | <b>Camera</b><br>Solo Pro           | <b>Preset Length</b><br>Not Specified | <b>Legal Status</b><br>Not Specified | <b>Alternative ID</b><br>1 |

|                            |                       |                              |                |                               |         |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|---------|
| <b>Town or Village:</b>    | Manchester            | <b>Inspection Direction:</b> | Upstream       | <b>Upstream Node:</b>         | 35      |
| <b>Road:</b>               | Hathersgate Rd        | <b>Inspected Length:</b>     | 8.78 m         | <b>Upstream Pipe Depth:</b>   |         |
| <b>Location:</b>           | Property or buildings | <b>Total Length:</b>         | 8.78 m         | <b>Downstream Node:</b>       | MHFW1   |
| <b>Surface Type:</b>       |                       | <b>Joint Length:</b>         |                | <b>Downstream Pipe Depth:</b> | 1.100 m |
| <b>Use:</b>                | Foul                  | <b>Pipe Shape:</b>           | Circular       |                               |         |
| <b>Type of Pipe:</b>       | Gravity drain/sewer   | <b>Dia/Height:</b>           | 100 mm         |                               |         |
| <b>Flow Control:</b>       |                       | <b>Pipe Material:</b>        | Vitrified clay |                               |         |
| <b>Year Constructed:</b>   | Not Specified         | <b>Lining Type:</b>          | No Lining      |                               |         |
| <b>Inspection Purpose:</b> | Routine inspection    | <b>Lining Material:</b>      | No Lining      |                               |         |

Comments:

### Recommendations:

| Scale:                                                                           | 1:77 | Position [m] | Code | Observation                                                  | MPEG     | Photo | Grade |
|----------------------------------------------------------------------------------|------|--------------|------|--------------------------------------------------------------|----------|-------|-------|
| <div> <div> <div>Depth: 1.10 m</div> <div>MHFW1</div> <div> </div> </div> </div> |      |              |      |                                                              |          |       |       |
|                                                                                  |      | 0.00         | MH   | Start node, manhole, reference: MHFW1                        | 00:00:00 |       |       |
|                                                                                  |      | <u>0.00</u>  | WL   | Water level, 5% of the vertical dimension                    | 00:00:00 |       |       |
|                                                                                  |      | <u>0.33</u>  | SC   | Pipe size changes, new size(s), 100mm high                   | 00:00:07 |       |       |
|                                                                                  |      | <u>8.36</u>  | LU   | Line deviates up                                             | 00:00:21 |       |       |
|                                                                                  |      | <u>8.78</u>  | OCF  | Finish node, other special chamber, reference: 35: IN POP UP | 00:00:25 |       |       |

| 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       |

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - 37X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>36       | Insp. No.<br>28 | Date<br>19/02/24         | Time<br>13:31 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>37X          |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | 37      |
| Road:               | Hathersgate Rd        | Inspected Length:     | 17.70 m        | Upstream Pipe Depth:   |         |
| Location:           | Property or buildings | Total Length:         | 17.70 m        | Downstream Node:       | CARRIER |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 300 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

Comments:  
Recommendations:

| Scale: 1:154                                                                                                                                            | Position [m] | Code | Observation                                                       | MPEG     | Photo | Grade |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|-------------------------------------------------------------------|----------|-------|-------|
| <div> <div>Depth: m</div> <div>37</div> <div>0.00</div> <div>0.00</div> <div>14.96</div> <div>17.70</div> <div>CARRIER</div> <div>Depth: m</div> </div> |              |      |                                                                   |          |       |       |
|                                                                                                                                                         | 0.00         | RE   | Start node, rodding eye, reference: 37                            | 00:00:01 |       |       |
|                                                                                                                                                         | 0.00         | WL   | Water level, 0% of the vertical dimension                         | 00:00:02 |       |       |
|                                                                                                                                                         | 14.96        | LR   | Line deviates right                                               | 00:00:52 |       |       |
|                                                                                                                                                         | 17.70        | BRF  | Finish node, major connection without manhole, reference: CARRIER | 00:01:01 |       |       |

| 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 - 19/02/2024 - 38X



|                             |                        |                                 |                      |                                     |                                       |                                      |                            |
|-----------------------------|------------------------|---------------------------------|----------------------|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------|
| <b>Item No.</b><br>37       | <b>Insp. No.</b><br>39 | <b>Date</b><br>19/02/24         | <b>Time</b><br>15:52 | <b>Client`s Job Ref</b><br>DK ADANA | <b>Weather</b><br>No Rain Or Snow     | <b>Pre Cleaned</b><br>Yes            | <b>PLR</b><br>38X          |
| <b>Operator</b><br>K.Graham |                        | <b>Vehicle</b><br>Not Specified |                      | <b>Camera</b><br>Solo Pro           | <b>Preset Length</b><br>Not Specified | <b>Legal Status</b><br>Not Specified | <b>Alternative ID</b><br>1 |

|                            |                       |                              |                |                               |          |
|----------------------------|-----------------------|------------------------------|----------------|-------------------------------|----------|
| <b>Town or Village:</b>    | Manchester            | <b>Inspection Direction:</b> | Downstream     | <b>Upstream Node:</b>         | 38       |
| <b>Road:</b>               | Hathersgate Rd        | <b>Inspected Length:</b>     | 10.76 m        | <b>Upstream Pipe Depth:</b>   |          |
| <b>Location:</b>           | Property or buildings | <b>Total Length:</b>         | 10.76 m        | <b>Downstream Node:</b>       | ATT TANK |
| <b>Surface Type:</b>       |                       | <b>Joint Length:</b>         |                | <b>Downstream Pipe Depth:</b> |          |
| <b>Use:</b>                | Foul                  | <b>Pipe Shape:</b>           | Circular       |                               |          |
| <b>Type of Pipe:</b>       | Gravity drain/sewer   | <b>Dia/Height:</b>           | 300 mm         |                               |          |
| <b>Flow Control:</b>       |                       | <b>Pipe Material:</b>        | Vitrified clay |                               |          |
| <b>Year Constructed:</b>   | Not Specified         | <b>Lining Type:</b>          | No Lining      |                               |          |
| <b>Inspection Purpose:</b> | Routine inspection    | <b>Lining Material:</b>      | No Lining      |                               |          |

Comments:

### Recommendations:

| Scale:                                                                                                  | 1:94  | Position [m] | Code                                                                           | Observation | MPEG                                 | Photo | Grade |
|---------------------------------------------------------------------------------------------------------|-------|--------------|--------------------------------------------------------------------------------|-------------|--------------------------------------|-------|-------|
| <div><div><div>Depth: m</div><div>38</div></div><div><div>ATT TANK</div><div>Depth: m</div></div></div> |       |              |                                                                                |             |                                      |       |       |
|                                                                                                         | 0.00  | RE           | Start node, rodding eye, reference: 38                                         | 00:00:01    |                                      |       |       |
|                                                                                                         | 0.00  | WL           | Water level, 0% of the vertical dimension                                      | 00:00:01    |                                      |       |       |
|                                                                                                         | 2.04  | DER          | Settled deposits, coarse, 5% cross-sectional area loss                         | 00:00:07    | 38X_a4c8f<br>b9b-916e-<br>4ed0-ba2d  | 3     |       |
|                                                                                                         | 2.61  | JN           | Junction at 3 o'clock, 300mm dia: 37 POP UP                                    | 00:00:14    |                                      |       |       |
|                                                                                                         | 5.91  | JDM          | Joint displaced, medium                                                        | 00:00:26    | 38X_a709<br>27c2-bff9-<br>48aa-8fd6- | 1 / 3 |       |
|                                                                                                         | 6.20  | MCPE         | Pipe material changes to polyethylene at this point                            | 00:00:28    |                                      |       |       |
|                                                                                                         | 8.29  | DER          | Settled deposits, coarse, 5% cross-sectional area loss                         | 00:00:36    | 38X_7fd96<br>89b-7494-<br>4b8b-9ffd- | 3     |       |
|                                                                                                         | 10.76 | BRF          | Finish node, major connection without manhole, reference: ATT TANK: JOINS TANK | 00:00:51    |                                      |       |       |

| 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 |
| 1                     | 1.0      | 0.1      | 1.0       | 1.0       | 3                                  | 2.0      | 0.6      | 6.0       | 3.0       |

## Section Pictures - 19/02/2024 - 38X

| Item No. | Inspection Direction | PLR | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----|------------------|----------------------|
| 37       | Downstream           | 38X | DK ADANA         | NRC WWS LTD          |



38X\_a4c8fb9b-916e-4ed0-ba2d-8d6210d3afb6\_20240220\_1312\_229.jpg, 00:00:07, 2.04 m  
Settled deposits, coarse, 5% cross-sectional area loss



38X\_a70927c2-bff9-48aa-8fd6-2b3f1407405a\_20240220\_131215\_332.jpg, 00:00:26, 5.91 m  
Joint displaced, medium



38X\_7fd9689b-7494-4b8b-9ffd-75b43d27888f\_20240220\_131350\_953.jpg, 00:00:36, 8.29 m  
Settled deposits, coarse, 5% cross-sectional area loss

## Section Inspection - 19/02/2024 - 39X



| Item No. | Insp. No. | Date          | Time  | Client's Job Ref | Weather         | Pre Cleaned   | PLR            |
|----------|-----------|---------------|-------|------------------|-----------------|---------------|----------------|
| 38       | 9         | 19/02/24      | 11:55 | DK ADANA         | No Rain Or Snow | Yes           | 39X            |
| Operator |           | Vehicle       |       | Camera           | Preset Length   | Legal Status  | Alternative ID |
| K.Graham |           | Not Specified |       | Solo Pro         | Not Specified   | Not Specified | 1              |

|                            |                       |                              |                    |                               |          |
|----------------------------|-----------------------|------------------------------|--------------------|-------------------------------|----------|
| <b>Town or Village:</b>    | Manchester            | <b>Inspection Direction:</b> | Downstream         | <b>Upstream Node:</b>         | 39       |
| <b>Road:</b>               | Hathersgate Rd        | <b>Inspected Length:</b>     | 4.72 m             | <b>Upstream Pipe Depth:</b>   |          |
| <b>Location:</b>           | Property or buildings | <b>Total Length:</b>         | 4.72 m             | <b>Downstream Node:</b>       | IFWMH1.1 |
| <b>Surface Type:</b>       |                       | <b>Joint Length:</b>         |                    | <b>Downstream Pipe Depth:</b> | 1.200 m  |
| <b>Use:</b>                | Foul                  | <b>Pipe Shape:</b>           | Circular           |                               |          |
| <b>Type of Pipe:</b>       | Gravity drain/sewer   | <b>Dia/Height:</b>           | 100 mm             |                               |          |
| <b>Flow Control:</b>       |                       | <b>Pipe Material:</b>        | Polyvinyl chloride |                               |          |
| <b>Year Constructed:</b>   | Not Specified         | <b>Lining Type:</b>          | No Lining          |                               |          |
| <b>Inspection Purpose:</b> | Routine inspection    | <b>Lining Material:</b>      | No Lining          |                               |          |

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

Scale: 1:50    Position [m]    Code    Observation    MPEG    Photo    Grade

 Depth: m  
39


0.00

RE

Start node, rodding eye, reference: 39: POP UP

00:00:00

0.00

WL

Water level, 0% of the vertical dimension

00:00:01

0.45

LL

Line deviates left

00:00:04

0.79

BRF

Finish node, major connection without manhole, reference: IFWMH1.1: JOINS CARRIER TO MH

00:00:06

4.72

MHF

Finish node, manhole, reference: IFWMH1.1

00:00:15

IFWMH1.1

Depth: 1.20 m

Construction Features

Miscellaneous Features

Structural Defects

Service &amp; 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 - 19/02/2024 - FWMH2X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>39       | Insp. No.<br>40 | Date<br>19/02/24         | Time<br>16:19 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>FWMH2X       |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |         |
|---------------------|-----------------------|-----------------------|----------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream     | Upstream Node:         | FWMH2   |
| Road:               | Hathersgate Rd        | Inspected Length:     | 19.55 m        | Upstream Pipe Depth:   | 1.200 m |
| Location:           | Property or buildings | Total Length:         | 19.55 m        | Downstream Node:       | 27      |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm         |                        |         |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |         |

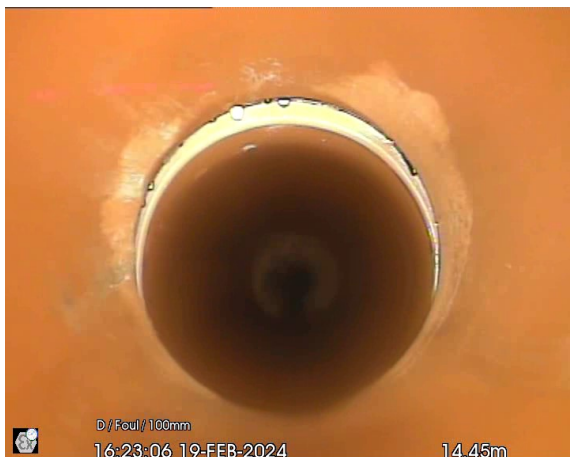
Comments:  
Recommendations:

| Scale: 1:170           | Position [m] | Code | Observation                                                     | MPEG     | Photo                      | Grade |
|------------------------|--------------|------|-----------------------------------------------------------------|----------|----------------------------|-------|
| Depth: 1.20 m<br>FWMH2 |              |      |                                                                 |          |                            |       |
|                        |              |      |                                                                 |          |                            |       |
|                        | 0.00         | MH   | Start node, manhole, reference: FWMH2                           | 00:00:00 |                            |       |
|                        | 0.00         | WL   | Water level, 5% of the vertical dimension                       | 00:00:01 |                            |       |
|                        | 0.10         | SC   | Pipe size changes, new size(s), 100mm high, 100mm wide          | 00:00:08 |                            |       |
|                        | 14.55        | JDM  | Joint displaced, medium                                         | 00:00:44 | FWMH2X_8c1af0ea-f610-4d69- | 1 / 3 |
|                        | 17.58        | JN   | Junction at 2 o'clock, 100mm dia                                | 00:01:22 |                            |       |
|                        | 19.55        | LU   | Line deviates up: IN REST                                       | 00:01:38 |                            |       |
|                        | 19.55        | OCF  | Finish node, other special chamber, reference: 27: IN REST BEND | 00:01:39 |                            |       |

| Construction Features |          |          |           |           | Miscellaneous Features             |          |          |           |           |
|-----------------------|----------|----------|-----------|-----------|------------------------------------|----------|----------|-----------|-----------|
| Structural Defects    |          |          |           |           | Service & Operational Observations |          |          |           |           |
| STR No. Def           | STR Peak | STR Mean | STR Total | STR Grade | SER No. Def                        | SER Peak | SER Mean | SER Total | SER Grade |
| 1                     | 1.0      | 0.1      | 1.0       | 1.0       | 1                                  | 2.0      | 0.1      | 2.0       | 3.0       |

## Section Pictures - 19/02/2024 - FWMH2X

| Item No. | Inspection Direction | PLR    | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|--------|------------------|----------------------|
| 39       | Downstream           | FWMH2X | DK ADANA         | NRC WWS LTD          |



FWMH2X\_8c1af0ea-f610-4d69-abc1-e5237699f7e9\_20240220\_131509\_849.jpg, 00:00:44, 14.55 m  
Joint displaced, medium

**WEB PROJECT**  
CLICK TO OPEN THIS SECTION

## Section Inspection - 19/02/2024 - IFWMH1.2X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>41       | Insp. No.<br>14 | Date<br>19/02/24         | Time<br>12:19 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>IFWMH1.2X    |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | IFWMH1.2 |
| Road:               | Hathersgate Rd        | Inspected Length:     | 23.06 m            | Upstream Pipe Depth:   | 1.250 m  |
| Location:           | Property or buildings | Total Length:         | 23.06 m            | Downstream Node:       | EX FWMH  |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale: 1:200              | Position [m] | Code | Observation                                                                      | MPEG     | Photo                               | Grade |
|---------------------------|--------------|------|----------------------------------------------------------------------------------|----------|-------------------------------------|-------|
| Depth: 1.25 m<br>IFWMH1.2 |              |      |                                                                                  |          |                                     |       |
|                           | 0.00         | MH   | Start node, manhole, reference: IFWMH1.2                                         | 00:00:00 |                                     |       |
|                           | 0.00         | WL   | Water level, 5% of the vertical dimension                                        | 00:00:01 |                                     |       |
|                           | 0.41         | LL   | Line deviates left                                                               | 00:00:04 |                                     |       |
|                           | 3.22         | BRF  | Finish node, major connection without manhole, reference: carrier: joins carrier | 00:00:23 |                                     |       |
|                           | 20.13        | WL   | Water level, 15% of the vertical dimension                                       | 00:01:13 |                                     |       |
|                           | 22.36        | JDM  | Joint displaced, medium                                                          | 00:01:24 | IFWMH1.2<br>X_146a26f<br>1-f6ec-4d7 | 1 / 3 |
|                           | 23.06        | MHF  | Finish node, manhole, reference: EX FWMH                                         | 00:01:29 |                                     |       |
| EX FWMH<br>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 |
| 1                     | 1.0      | 0.0      | 1.0       | 1.0       | 1                                  | 2.0      | 0.1      | 2.0       | 3.0       |

## Section Pictures - 19/02/2024 - IFWMH1.2X

| Item No. | Inspection Direction | PLR       | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----------|------------------|----------------------|
| 41       | Downstream           | IFWMH1.2X | DK ADANA         | NRC WWS LTD          |



IFWMH1.2X\_146a26f1-f6ec-4d74-aa87-7f4b7a251f0d\_20240  
220\_131732\_303.jpg, 00:01:24, 22.36 m  
Joint displaced, medium

## Section Inspection - 19/02/2024 - IFWMH2.0X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>42       | Insp. No.<br>27 | Date<br>19/02/24         | Time<br>13:26 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>IFWMH2.0X    |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |          |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | IFWMH2.0 |
| Road:               | Hathersgate Rd        | Inspected Length:     | 7.37 m             | Upstream Pipe Depth:   | 1.350 m  |
| Location:           | Property or buildings | Total Length:         | 7.37 m             | Downstream Node:       | EX FWMH  |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |          |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |          |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |          |

Comments:  
Recommendations:

| Scale:                    | 1:64 | Position [m] | Code | Observation                                      | MPEG     | Photo | Grade |
|---------------------------|------|--------------|------|--------------------------------------------------|----------|-------|-------|
| Depth: 1.35 m<br>IFWMH2.0 |      |              |      |                                                  |          |       |       |
|                           |      | 0.00         | MH   | Start node, manhole, reference: IFWMH2.0         | 00:00:00 |       |       |
|                           |      | 0.00         | WL   | Water level, 5% of the vertical dimension        | 00:00:00 |       |       |
|                           |      | 2.57         | JN   | Junction at 12 o'clock, 100mm dia: 22 GULLY      | 00:00:16 |       |       |
|                           |      | 6.66         | LL   | Line deviates left                               | 00:00:28 |       |       |
|                           |      | 7.37         | MHF  | Finish node, manhole, reference: EX FWMH: BURIED | 00:00:31 |       |       |
| EX FWMH<br>Depth: m       |      |              |      |                                                  |          |       |       |

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

## Section Inspection - 19/02/2024 - IFWMH3.0X



|                      |                 |                          |               |                              |                                |                               |                     |
|----------------------|-----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>43       | Insp. No.<br>42 | Date<br>19/02/24         | Time<br>16:19 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>IFWMH3.0X    |
| Operator<br>K.Graham |                 | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                |                        |          |
|---------------------|-----------------------|-----------------------|----------------|------------------------|----------|
| Town or Village:    | Manchester            | Inspection Direction: | Upstream       | Upstream Node:         | IFWMH3.0 |
| Road:               | Hathersgate Rd        | Inspected Length:     | 20.19 m        | Upstream Pipe Depth:   |          |
| Location:           | Property or buildings | Total Length:         | 20.19 m        | Downstream Node:       | MHFW2    |
| Surface Type:       |                       | Joint Length:         |                | Downstream Pipe Depth: | 1.250 m  |
| Use:                | Foul                  | Pipe Shape:           | Circular       |                        |          |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 150 mm         |                        |          |
| Flow Control:       |                       | Pipe Material:        | Vitrified clay |                        |          |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining      |                        |          |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining      |                        |          |

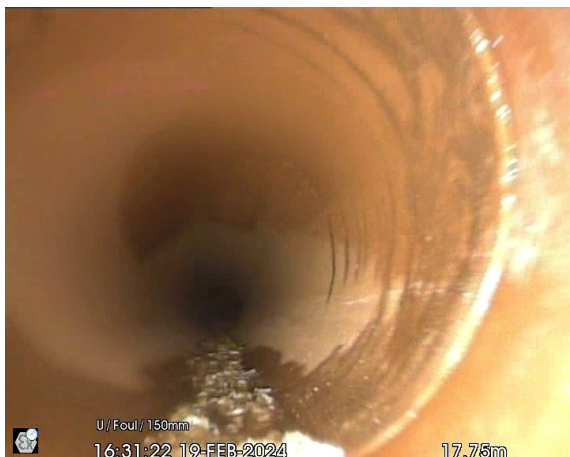
Comments:  
Recommendations:

| Scale: 1:175           | Position [m] | Code | Observation                                                    | MPEG     | Photo                             | Grade |
|------------------------|--------------|------|----------------------------------------------------------------|----------|-----------------------------------|-------|
| Depth: 1.25 m<br>MHFW2 |              |      |                                                                |          |                                   |       |
|                        |              |      |                                                                |          |                                   |       |
| 0.00                   | MH           |      | Start node, manhole, reference: MHFW2                          | 00:00:00 |                                   |       |
| 0.00                   | WL           |      | Water level, 5% of the vertical dimension                      | 00:00:00 |                                   |       |
| 17.70                  | S01          | DER  | Settled deposits, coarse, 5% cross-sectional area loss, start  | 00:00:40 | IFWMH3.0<br>X_ee7692<br>70-ee18-4 |       |
| 20.03                  | F01          | DER  | Settled deposits, coarse, 5% cross-sectional area loss, finish | 00:00:45 |                                   | 3     |
| 20.19                  | MHF          |      | Finish node, manhole, reference: IFWMH3.0                      | 00:00:48 |                                   |       |
| IFWMH3.0<br>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                                  | 2.0      | 0.3      | 6.0       | 3.0       |

## Section Pictures - 19/02/2024 - IFWMH3.0X

| Item No. | Inspection Direction | PLR       | Client's Job Ref | Contractor's Job Ref |
|----------|----------------------|-----------|------------------|----------------------|
| 43       | Upstream             | IFWMH3.0X | DK ADANA         | NRC WWS LTD          |



IFWMH3.0X\_ee769270-ee18-4794-84a9-1b85726d17e2\_202  
40220\_131839\_359.jpg, 00:00:40, 17.70 m

Settled deposits, coarse, 5% cross-sectional area loss, start

## Section Inspection - 19/02/2024 - IFWMH11X



|                      |                |                          |               |                              |                                |                               |                     |
|----------------------|----------------|--------------------------|---------------|------------------------------|--------------------------------|-------------------------------|---------------------|
| Item No.<br>44       | Insp. No.<br>8 | Date<br>19/02/24         | Time<br>11:39 | Client's Job Ref<br>DK ADANA | Weather<br>No Rain Or Snow     | Pre Cleaned<br>Yes            | PLR<br>IFWMH11X     |
| Operator<br>K.Graham |                | Vehicle<br>Not Specified |               | Camera<br>Solo Pro           | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                       |                       |                    |                        |         |
|---------------------|-----------------------|-----------------------|--------------------|------------------------|---------|
| Town or Village:    | Manchester            | Inspection Direction: | Downstream         | Upstream Node:         | IFWMH11 |
| Road:               | Hathersgate Rd        | Inspected Length:     | 4.63 m             | Upstream Pipe Depth:   | 1.200 m |
| Location:           | Property or buildings | Total Length:         | 4.63 m             | Downstream Node:       | IFWMH12 |
| Surface Type:       |                       | Joint Length:         |                    | Downstream Pipe Depth: |         |
| Use:                | Foul                  | Pipe Shape:           | Circular           |                        |         |
| Type of Pipe:       | Gravity drain/sewer   | Dia/Height:           | 100 mm             |                        |         |
| Flow Control:       |                       | Pipe Material:        | Polyvinyl chloride |                        |         |
| Year Constructed:   | Not Specified         | Lining Type:          | No Lining          |                        |         |
| Inspection Purpose: | Routine inspection    | Lining Material:      | No Lining          |                        |         |

Comments:

Recommendations:

| Scale:                   | 1:50 | Position [m] | Code | Observation                               | MPEG     | Photo | Grade |
|--------------------------|------|--------------|------|-------------------------------------------|----------|-------|-------|
| Depth: 1.20 m<br>IFWMH11 |      |              |      |                                           |          |       |       |
|                          |      | 0.00         | MH   | Start node, manhole, reference: IFWMH11   | 00:00:00 |       |       |
|                          |      | 0.00         | WL   | Water level, 5% of the vertical dimension | 00:00:04 |       |       |
|                          |      |              |      |                                           |          |       |       |
|                          |      | 4.63         | MHF  | Finish node, manhole, reference: IFWMH12  | 00:00:15 |       |       |
| IFWMH12<br>Depth: m      |      |              |      |                                           |          |       |       |

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