

## Project

**Project Name:** HMG PAINTS  
**Project Description:** WinCan Import in Miraculix WRc4 Standard  
**Project Date:** 21/04/2021



## Project Information

**Project Name**  
HMG PAINTS**Project Number****Project Date**  
21/04/2021

### Client

**Company:** HMG Paints Ltd  
**Description:** Paint Factory  
**Contact:** Ashley Wallen  
**Department:** Site Contact  
**Street:** Collyhurst Road  
**Town or City:** Manchester  
**County:** Greater Manchester  
**Post Code:** M40 7RU  
**Phone:** 0161 205 7631  
**Email:** awallen@hmgpaints.com

### Site

**Company:** HMG Paints Ltd  
**Description:** Paint Factory  
**Contact:** Ashley Wallen  
**Department:** Site Contact  
**Street:** Collyhurst Road  
**Town or City:** Manchester  
**County:** Greater Manchester  
**Post Code:** M40 7RU  
**Phone:** 0161 205 7631  
**Email:** awallen@hmgpaints.com

### Contractor

**Company:** Team Drainage UK Ltd  
**Description:** Contractor  
**Contact:** Ben Pearce  
**Department:** Operations  
**Street:** 2nd Floor Peel House Peel Road  
**Town or City:** Skelmersdale  
**County:** Lancashire  
**Post Code:** WN8 9PT  
**Phone:** 01695 768 714  
**Mobile:** 07530 029 367  
**Email:** ben.pearce@teamdrainageuk.com



## Section Inspection - 21/04/2021 - A/P 1X

|                       |                 |                          |               |                         |                                |                               |                     |
|-----------------------|-----------------|--------------------------|---------------|-------------------------|--------------------------------|-------------------------------|---------------------|
| Section<br>1          | Inspection<br>1 | Date<br>21/04/21         | Time<br>10:12 | Client's Job Ref<br>01  | Weather<br>No Rain Or Snow     | Pre Cleaned<br>No             | PLR<br>A/P 1X       |
| Operator<br>L ROBERTS |                 | Vehicle<br>Not Specified |               | Camera<br>Not Specified | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                                            |                       |                           |                        |          |
|---------------------|--------------------------------------------|-----------------------|---------------------------|------------------------|----------|
| Town or Village:    | Manchester                                 | Inspection Direction: | Downstream                | Upstream Node:         | A/P 1    |
| Road:               | Collyhurst Road                            | Inspected Length:     | 73.48 m                   | Upstream Pipe Depth:   | 2.870 m  |
| Location:           | Property with buildings                    | Total Length:         | 73.48 m                   | Downstream Node:       | OUTFALL  |
| Surface Type:       |                                            | Joint Length:         | 0.00 m                    | Downstream Pipe Depth: |          |
| Use:                | Surface water                              | Pipe Shape:           | Arched (with flat bottom) |                        |          |
| Type of Pipe:       | Gravity drain/sewer                        | Dia/Height:           | 1,800 mm                  | Width:                 | 4,000 mm |
| Year Constructed:   |                                            | Pipe Material:        | Brick                     |                        |          |
| Flow Control:       | No flow control                            | Lining Type:          | No Lining                 |                        |          |
| Inspection Purpose: | Sample survey to determine asset condition | Lining Material:      | No Lining                 |                        |          |

## Comments:

## Recommendations:

| Scale: 1:558           | Position [m] | Code | Observation                                                              | MPEG     | Photo               | Grade |
|------------------------|--------------|------|--------------------------------------------------------------------------|----------|---------------------|-------|
|                        |              |      |                                                                          |          |                     |       |
| Depth: 2.87 m<br>A/P 1 | 0.00         | MH   | Start node type, manhole, reference number: A/P 1                        | 00:00:03 | 1_0-02m_111310.jpg  |       |
|                        | 0.00         | WL   | Water level, 20% of the vertical dimension                               | 00:00:05 |                     |       |
|                        | 7.04         | DER  | Settled deposits, coarse, 15% cross-sectional area loss                  | 00:00:52 | 1_7-04m_111421.jpg  | 3     |
|                        | 16.05        | LL   | Line deviates left                                                       | 00:02:06 | 1_16-05m_111540.jpg |       |
|                        | 22.53        | MB   | Missing bricks from 9 o'clock to 10 o'clock                              | 00:02:49 | 1_22-53m_111641.jpg | 4     |
|                        | 30.00        | SC   | Size changes, new size(s), 3600mm high, 5200mm wide                      | 00:00:03 |                     |       |
|                        | 30.00        | MCCO | Material changes to concrete: brick walls concrete roof                  | 00:02:06 |                     |       |
|                        | 30.78        | DER  | Settled deposits, coarse, 20% cross-sectional area loss                  | 00:03:47 | 1_30-78m_111827.jpg | 3     |
|                        | 48.36        | MB   | Missing bricks from 3 o'clock to 4 o'clock                               | 00:06:04 | 1_48-36m_112216.jpg | 4     |
|                        | 59.74        | REM  | General remark: ACCESS POINT                                             | 00:07:13 | 1_59-74m_112337.jpg |       |
|                        | 61.00        | SC   | Size changes, new size(s), 1800mm high, 4000mm wide                      | 00:08:39 |                     |       |
|                        | 61.00        | MCCR | Material changes to brick                                                | 00:08:39 |                     |       |
|                        | 62.90        | MB   | Missing bricks from 12 o'clock to 1 o'clock                              | 00:08:20 | 1_62-90m_112454.jpg | 4     |
|                        | 64.04        | CN   | Connection other than junction at 2 o'clock, diameter: 225mm: CAPPED OFF | 00:08:39 |                     |       |
|                        | 64.05        | CN   | Connection other than junction at 11 o'clock, diameter: 150mm            | 00:08:51 | 1_64-05m_112701.jpg |       |



TEAM  
DRAINAGE UK

**Team Drainage UK Ltd**

2nd Floor Peel House Peel Road, Skelmersdale

Tel. 01695 768 714

ben.pearce@teamdrainageuk.com

## Section Inspection - 21/04/2021 - A/P 1X

|                       |                 |                          |               |                         |                                |                               |                     |
|-----------------------|-----------------|--------------------------|---------------|-------------------------|--------------------------------|-------------------------------|---------------------|
| Section<br>1          | Inspection<br>1 | Date<br>21/04/21         | Time<br>10:12 | Client's Job Ref<br>01  | Weather<br>No Rain Or Snow     | Pre Cleaned<br>No             | PLR<br>A/P 1X       |
| Operator<br>L ROBERTS |                 | Vehicle<br>Not Specified |               | Camera<br>Not Specified | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

Scale:

1:

<

## Section Pictures - 21/04/2021 - A/P 1X

| Section<br>1 | Inspection Direction<br>Downstream | PLR<br>A/P 1X | Client's Job Ref<br>01 | Contractor's Job Ref |
|--------------|------------------------------------|---------------|------------------------|----------------------|
|--------------|------------------------------------|---------------|------------------------|----------------------|



1\_0-02m\_111310.jpg, 00:00:03, 0.00 m  
 Start node type, manhole, reference number: A/P 1



1\_7-04m\_111421.jpg, 00:00:52, 7.04 m  
 Settled deposits, coarse, 15% cross-sectional area loss



1\_16-05m\_111540.jpg, 00:02:06, 16.05 m  
 Line deviates left



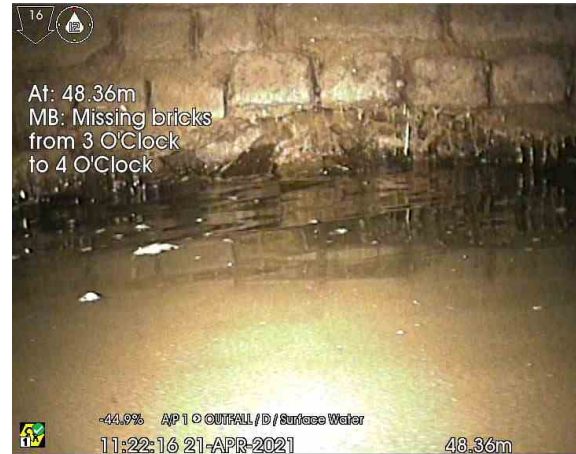
1\_22-53m\_111641.jpg, 00:02:49, 22.53 m  
 Missing bricks from 9 o'clock to 10 o'clock

## Section Pictures - 21/04/2021 - A/P 1X

| Section<br>1 | Inspection Direction<br>Downstream | PLR<br>A/P 1X | Client's Job Ref<br>01 | Contractor's Job Ref |
|--------------|------------------------------------|---------------|------------------------|----------------------|
|--------------|------------------------------------|---------------|------------------------|----------------------|



1\_30-78m\_111827.jpg, 00:03:47, 30.78 m  
 Settled deposits, coarse, 20% cross-sectional area loss



1\_48-36m\_112216.jpg, 00:06:04, 48.36 m  
 Missing bricks from 3 o'clock to 4 o'clock



1\_59-74m\_112337.jpg, 00:07:13, 59.74 m  
 General remark, ACCESS POINT



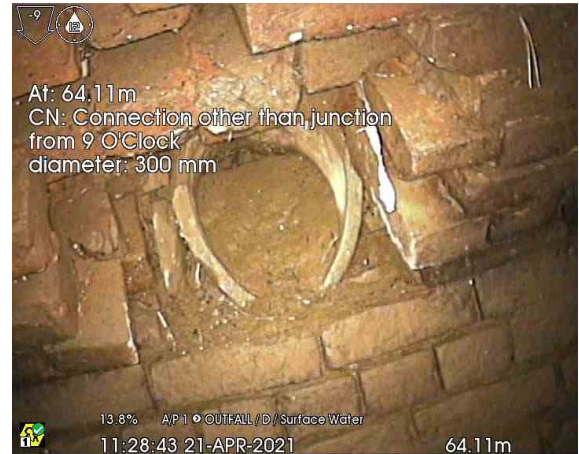
1\_62-90m\_112454.jpg, 00:08:20, 62.90 m  
 Missing bricks from 12 o'clock to 1 o'clock

## Section Pictures - 21/04/2021 - A/P 1X

| Section<br>1 | Inspection Direction<br>Downstream | PLR<br>A/P 1X | Client's Job Ref<br>01 | Contractor's Job Ref |
|--------------|------------------------------------|---------------|------------------------|----------------------|
|--------------|------------------------------------|---------------|------------------------|----------------------|



1\_64-05m\_112701.jpg, 00:08:51, 64.05 m  
 Connection other than junction at 11 o'clock, diameter: 150mm



1\_64-11m\_112843.jpg, 00:09:21, 64.11 m  
 Connection other than junction at 9 o'clock, diameter: 300mm



1\_73-48m\_112943.jpg, 00:10:12, 73.48 m  
 Finish node type, outfall, reference number: OUTFALL



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2nd Floor Peel House Peel Road, Skelmersdale

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## Section Inspection - 21/04/2021 - INFALLX

|                       |                 |                          |               |                         |                                |                               |                     |
|-----------------------|-----------------|--------------------------|---------------|-------------------------|--------------------------------|-------------------------------|---------------------|
| Section<br>2          | Inspection<br>2 | Date<br>21/04/21         | Time<br>11:30 | Client's Job Ref<br>01  | Weather<br>No Rain Or Snow     | Pre Cleaned<br>No             | PLR<br>INFALLX      |
| Operator<br>L ROBERTS |                 | Vehicle<br>Not Specified |               | Camera<br>Not Specified | Preset Length<br>Not Specified | Legal Status<br>Not Specified | Alternative ID<br>1 |

|                     |                                            |                       |                           |                        |          |
|---------------------|--------------------------------------------|-----------------------|---------------------------|------------------------|----------|
| Town or Village:    | Manchester                                 | Inspection Direction: | Upstream                  | Upstream Node:         | INFALL   |
| Road:               | Collyhurst Road                            | Inspected Length:     | 37.27 m                   | Upstream Pipe Depth:   |          |
| Location:           | Property with buildings                    | Total Length:         | 37.27 m                   | Downstream Node:       | A/P 1    |
| Surface Type:       |                                            | Joint Length:         | 0.00 m                    | Downstream Pipe Depth: | 2.870 m  |
| Use:                | Surface water                              | Pipe Shape:           | Arched (with flat bottom) |                        |          |
| Type of Pipe:       | Gravity drain/sewer                        | Dia/Height:           | 1,800 mm                  | Width:                 | 4,000 mm |
| Year Constructed:   |                                            | Pipe Material:        | Brick                     |                        |          |
| Flow Control:       | No flow control                            | Lining Type:          | No Lining                 |                        |          |
| Inspection Purpose: | Sample survey to determine asset condition | Lining Material:      | No Lining                 |                        |          |

Comments:

Recommendations:

| Scale: 1:325 | Position [m] | Code | Observation                                                   | MPEG     | Photo               | Grade |
|--------------|--------------|------|---------------------------------------------------------------|----------|---------------------|-------|
|              |              |      |                                                               |          |                     |       |
|              | 0.00         | MH   | Start node type, manhole, reference number: A/P 1             | 00:00:01 | 2_0-00m_113724.jpg  |       |
|              | 0.00         | WL   | Water level, 20% of the vertical dimension                    | 00:00:04 |                     |       |
|              | 2.88         | MB   | Missing bricks from 12 o'clock to 1 o'clock                   | 00:00:40 | 2_2-88m_113823.jpg  | 4     |
|              | 3.44         | MB   | Missing bricks from 9 o'clock to 10 o'clock                   | 00:00:53 | 2_3-44m_113851.jpg  | 4     |
|              | 6.26         | MB   | Missing bricks from 12 o'clock to 1 o'clock                   | 00:01:35 |                     | 4     |
|              | 6.50         | CN   | Connection other than junction at 12 o'clock, diameter: 150mm | 00:02:18 | 2_6-50m_114043.jpg  |       |
|              | 6.50         | LL   | Line deviates left                                            | 00:02:26 | 2_6-50m_114056.jpg  |       |
|              | 6.60         | CN   | Connection other than junction at 3 o'clock, diameter: 300mm  | 00:04:21 | 2_6-60m_114302.jpg  |       |
|              | 8.89         | DER  | Settled deposits, coarse, 20% cross-sectional area loss       | 00:04:42 | 2_8-89m_114337.jpg  | 3     |
|              | 29.87        | CN   | Connection other than junction at 2 o'clock, diameter: 150mm  | 00:06:07 | 2_29-87m_114511.jpg |       |
|              | 29.87        | CN   | Connection other than junction at 12 o'clock, diameter: 150mm | 00:07:01 | 2_29-87m_114616.jpg |       |
|              | 37.27        | SA   | Survey abandoned: OUT OF SURVEY BOUNDARY                      | 00:09:34 | 2_37-27m_114921.jpg |       |

## Construction Features

## Structural Defects

## Miscellaneous Features

## 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 |
|-------------|----------|----------|-----------|-----------|-------------|----------|----------|-----------|-----------|
| 3           | 120.0    | 9.7      | 360.0     | 4.0       | 1           | 2.0      | 0.1      | 2.0       | 3.0       |

## Section Pictures - 21/04/2021 - INFALLX

| Section | Inspection Direction | PLR     | Client's Job Ref | Contractor's Job Ref |
|---------|----------------------|---------|------------------|----------------------|
| 2       | Upstream             | INFALLX | 01               |                      |



2\_0-00m\_113724.jpg, 00:00:01, 0.00 m  
 Start node type, manhole, reference number: A/P 1



2\_2-88m\_113823.jpg, 00:00:40, 2.88 m  
 Missing bricks from 12 o'clock to 1 o'clock



2\_3-44m\_113851.jpg, 00:00:53, 3.44 m  
 Missing bricks from 9 o'clock to 10 o'clock



2\_6-50m\_114043.jpg, 00:02:18, 6.50 m  
 Connection other than junction at 12 o'clock, diameter: 150mm

## Section Pictures - 21/04/2021 - INFALLX

| Section | Inspection Direction | PLR     | Client's Job Ref | Contractor's Job Ref |
|---------|----------------------|---------|------------------|----------------------|
| 2       | Upstream             | INFALLX | 01               |                      |



2\_6-50m\_114056.jpg, 00:02:26, 6.50 m  
 Line deviates left



2\_6-60m\_114302.jpg, 00:04:21, 6.60 m  
 Connection other than junction at 3 o'clock, diameter: 300mm



2\_8-89m\_114337.jpg, 00:04:42, 8.89 m  
 Settled deposits, coarse, 20% cross-sectional area loss



2\_29-87m\_114511.jpg, 00:06:07, 29.87 m  
 Connection other than junction at 2 o'clock, diameter: 150mm

## Section Pictures - 21/04/2021 - INFALLX

| Section | Inspection Direction | PLR     | Client's Job Ref | Contractor's Job Ref |
|---------|----------------------|---------|------------------|----------------------|
| 2       | Upstream             | INFALLX | 01               |                      |



2\_29-87m\_114616.jpg, 00:07:01, 29.87 m  
 Connection other than junction at 12 o'clock, diameter: 150mm



2\_37-27m\_114921.jpg, 00:09:34, 37.27 m  
 Survey abandoned, OUT OF SURVEY BOUNDRY