



## Defect Listing

|  |                                 |                               |   |                                       |                              |
|--|---------------------------------|-------------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>C8-5_C8-4</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Herimtage Dr</b> | Material<br><b>Fibreglass Reinforc...</b> | Location C...<br><b>Light High...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C8-5</b>                 | Total Length<br><b>221.1</b>    | Year Laid                     | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>C8-4</b>                  | Length surveyed<br><b>221.1</b> | Year Renewed                  | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>N/A</b>  |

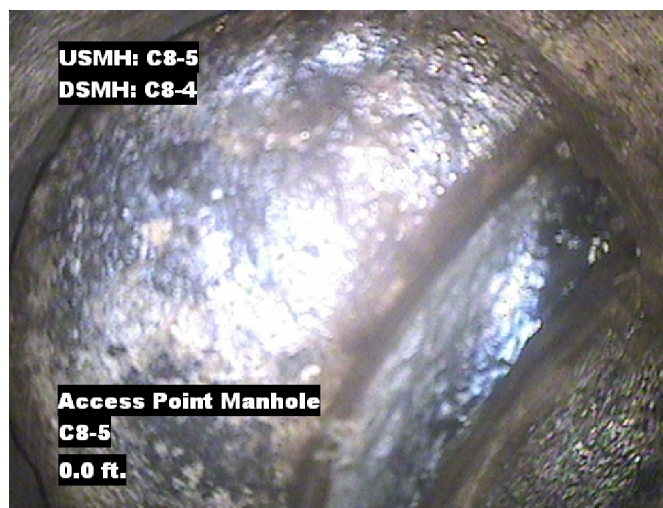
|                    |   |                                |   |
|--------------------|---|--------------------------------|---|
| SPR<br><b>N/A</b>  | MPR<br><b>8</b>                           | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>N/A</b> | MPRI<br><b>2</b>                          | Work Order<br><b>4397-02</b>   | Purpose<br><b>Pre-Rehabilitation Survey</b> |
| QSR<br><b>N/A</b>  | QMR<br><b>2400</b>                        |                                |   |
| OPR<br><b>8</b>    | Surveyed By<br><b>Barry Rogers</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150721</b>                     |
| OPRI<br><b>2</b>   | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>07:31</b>                        |
|                    | Date Cleaned<br><b>20150721</b>           | End Time<br><b>07:47</b>       | Weather<br><b>Damp</b>                      |
|                    |   |                                | Media label                                 |
|                    |   |                                | Additional Info                             |

| Distance      | Condition                | Cont. Dfct. | Values |     |    | Joint                    | Clock Position |    | Grade |
|---------------|--------------------------|-------------|--------|-----|----|--------------------------|----------------|----|-------|
|               |                          |             | 1st    | 2nd | %  |                          | At/From        | To |       |
| 0.0 ft.       | Access Point Manhole     |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: C8-5 |                          |             |        |     |    |                          |                |    |       |
| 0.0 ft.       | Water Level              |             |        |     | 10 | <input type="checkbox"/> |                |    |       |
| 31.3 ft.      | Water Level Sag          |             |        |     | 20 | <input type="checkbox"/> |                |    | 2     |
| 42.0 ft.      | Deposits Attached Grease |             |        |     | 5  | <input type="checkbox"/> | 8              |    | 2     |
| 95.8 ft.      | Deposits Attached Grease |             |        |     | 5  | <input type="checkbox"/> | 9              | 10 | 2     |
| 187.8 ft.     | Water Level Sag          |             |        |     | 15 | <input type="checkbox"/> |                |    | 2     |
| 216.6 ft.     | Water Level              |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 221.1 ft.     | Access Point Manhole     |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: C8-4 |                          |             |        |     |    |                          |                |    |       |

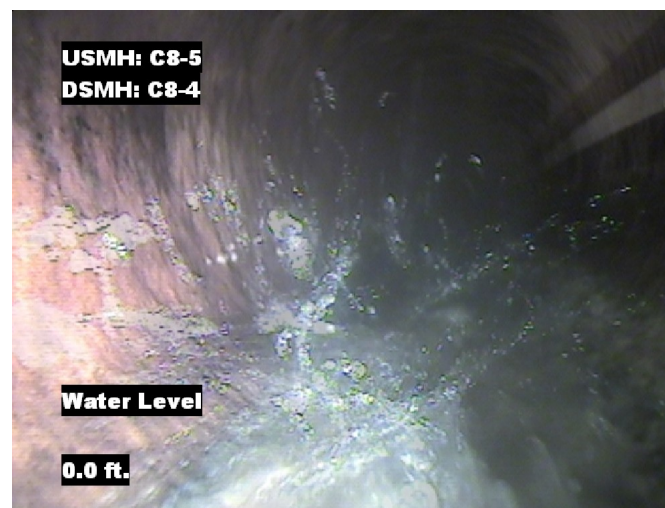


## Image Report 4/Page

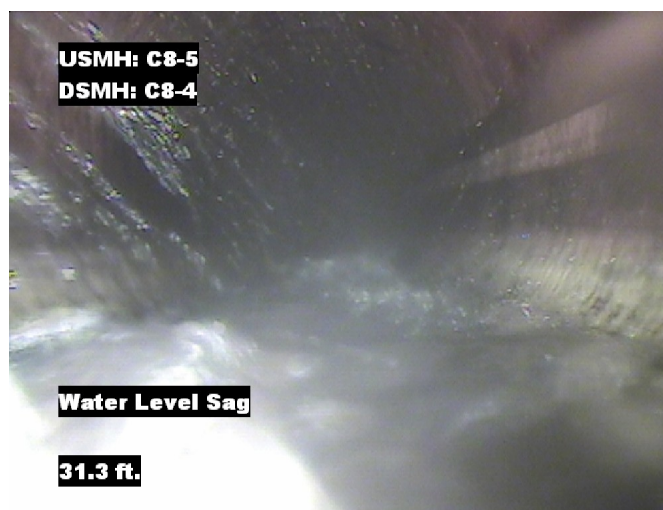
|                        |                 |              |                        |                  |               |
|------------------------|-----------------|--------------|------------------------|------------------|---------------|
| Pipe Segment Refere... | City            | Street       | Material               | Location C...    | Sewer Use     |
| C8-5_C8-4              | Oliver Springs  | Herintage Dr | Fibreglass Reinforc... | Light High...    | Sanitary      |
| Upstream MH            | Total Length    | Year Laid    | Shape                  | Location Details |               |
| C8-5                   | 221.1           |              | Circular               |                  |               |
| DS Manhole             | Length surveyed | Year Renewed | Height                 | Width            | Pipe Joint... |
| C8-4                   | 221.1           |              | 8                      | 8                | N/A           |



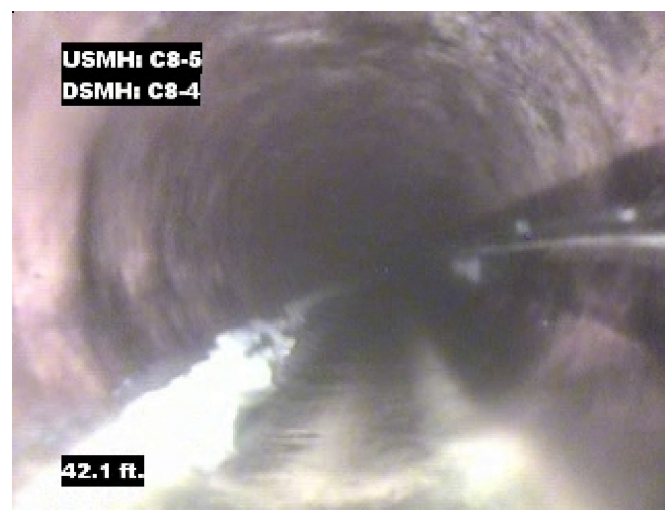
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C8-5



Distance: 0.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 31.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 42.0 ft. Grade: 2  
Condition: Deposits Attached Grease  
Remarks: N/A



## Image Report 4/Page

| Pipe Segment Refere... | City                   | Street              | Material                      | Location C...        | Sewer Use       |
|------------------------|------------------------|---------------------|-------------------------------|----------------------|-----------------|
| <b>C8-5_C8-4</b>       | <b>Oliver Springs</b>  | <b>Herintage Dr</b> | <b>Fibreglass Reinforc...</b> | <b>Light High...</b> | <b>Sanitary</b> |
| <b>Upstream MH</b>     | Total Length           | Year Laid           | <b>Shape</b>                  | Location Details     |                 |
| <b>C8-5</b>            | <b>221.1</b>           |                     | <b>Circular</b>               |                      |                 |
| <b>DS Manhole</b>      | <b>Length surveyed</b> | Year Renewed        | <b>Height</b>                 | Width                | Pipe Joint...   |
| <b>C8-4</b>            | <b>221.1</b>           |                     | <b>8</b>                      | <b>8</b>             | <b>N/A</b>      |



Distance: 95.8 ft. Grade: 2  
Condition: Deposits Attached Grease  
Remarks: N/A



Distance: 187.8 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 216.6 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 221.1 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C8-4





|                                     |                                    |                         |                                    |                           |                                |                       |
|-------------------------------------|------------------------------------|-------------------------|------------------------------------|---------------------------|--------------------------------|-----------------------|
| Pipe Segment Refere...<br>C8-5_C8-4 | City<br>Oliver Springs             | Street<br>Herimtage Dr  | Material<br>Fibreglass Reinforc... |                           | Location C...<br>Light High... | Sewer Use<br>Sanitary |
| Upstream MH<br>C8-5                 | Total Length<br>221.1              | Year Laid               | Shape<br>Circular                  |                           | Location Details               |                       |
| DS Manhole<br>C8-4                  | Length surveyed<br>221.1           | Year Renewed            | Height<br>8                        | Width<br>8                | Pipe Joint...<br>N/A           |                       |
| SPR<br>N/A                          | MPR<br>8                           | PO Number<br>4397-03    |                                    | Customer<br>GRW           |                                |                       |
| SPRI<br>N/A                         | MPRI<br>2                          | Work Order<br>4397-02   |                                    | Purpose                   |                                |                       |
| QSR<br>N/A                          | QMR<br>2400                        |                         |                                    | Pre-Rehabilitation Survey |                                |                       |
| OPR<br>8                            | Surveyed By<br>Barry_Rogers        | Direction<br>Downstream | Date<br>20150721                   |                           | Media label                    |                       |
| OPRI<br>2                           | Certificate Number<br>U-1012-16405 | Pre-Cleaning<br>Jetting | Time<br>07:31                      |                           | Weather<br>Damp                |                       |
| Date Cleaned<br>20150721            |                                    |                         | End Time<br>07:47                  |                           | Additional Info                |                       |

Page #: 4