



## Defect Listing

|   |                                 |                             |  |                              |                              |
|---|---------------------------------|-----------------------------|--|------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>C14-1_C-23</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Edmonds Dr</b> | Material<br><b>Fibreglass Reinf...</b> | Location C...<br><b>Yard</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C14-1</b>                 | Total Length<br><b>310.9</b>    | Year Laid                   | Shape<br><b>Circular</b>               | Location Details             |                              |
| DS Manhole<br><b>C-23</b>                   | Length surveyed<br><b>310.9</b> | Year Renewed                | Height<br><b>8</b>                     | Width<br><b>8</b>            | Pipe Joint...<br><b>N/A</b>  |

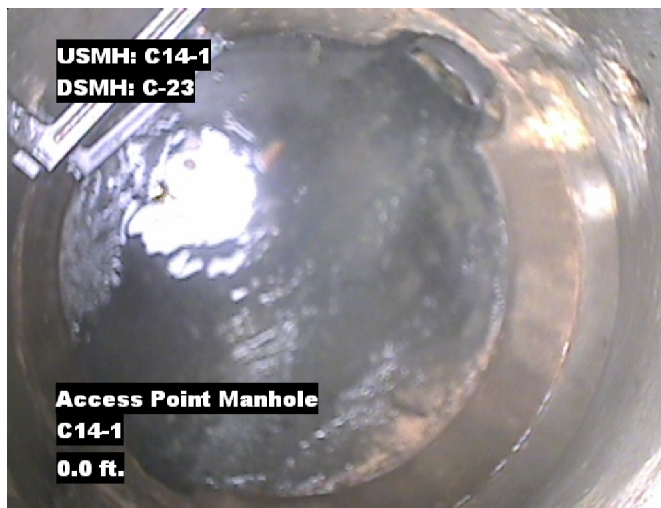
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|--------------------|---|--------------------------------|---|
| SPR<br><b>N/A</b>  | MPR<br><b>N/A</b>                         | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>N/A</b> | MPRI<br><b>N/A</b>                        | Work Order<br><b>4397-02</b>   | Purpose<br><b>Pre-Rehabilitation Survey</b> |
| QSR<br><b>N/A</b>  | QMR<br><b>N/A</b>                         |                                |   |
| OPR<br><b>N/A</b>  | Surveyed By<br><b>Barry Rogers</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150714</b>                     |
| OPRI<br><b>N/A</b> | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>11:26</b>                        |
|                    | Date Cleaned<br><b>20150714</b>           | End Time<br><b>11:46</b>       | Weather<br><b>Light Rain</b>                |
|                    |   |                                | 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: C14-1 |                         |             |        |     |    |                          |                |    |       |
| 0.0 ft.        | Water Level             |             |        |     | 10 | <input type="checkbox"/> |                |    |       |
| 43.9 ft.       | Tap Factory Made Active |             | 6      |     | 0  | <input type="checkbox"/> | 3              |    |       |
| 165.9 ft.      | Tap Factory Made        |             | 6      |     | 0  | <input type="checkbox"/> | 3              |    |       |
| 274.4 ft.      | Tap Factory Made        |             | 6      |     | 0  | <input type="checkbox"/> | 9              |    |       |
| 308.8 ft.      | Water Level             |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 310.9 ft.      | Access Point Manhole    |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: C-23  |                         |             |        |     |    |                          |                |    |       |

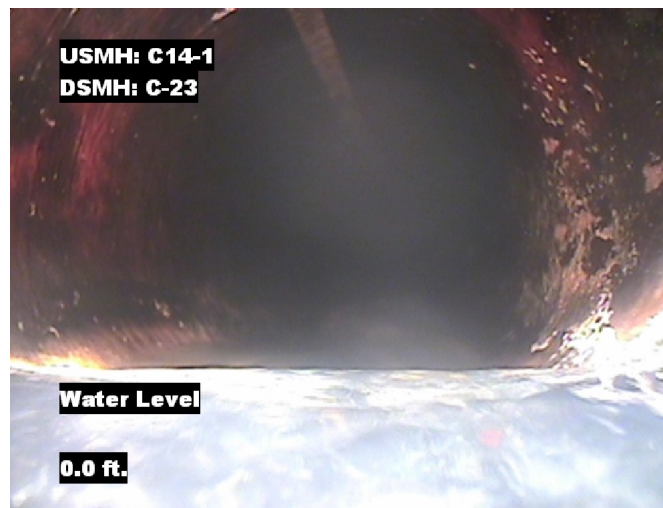


## Image Report 4/Page

|   |                                 |                             |   |                   |                              |                              |
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| Pipe Segment Refere...<br><b>C14-1_C-23</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Edmonds Dr</b> | Material<br><b>Fibreglass Reinforc...</b> |                   | Location C...<br><b>Yard</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C14-1</b>                 | Total Length<br><b>310.9</b>    | Year Laid                   | Shape<br><b>Circular</b>                  |                   | Location Details             |                              |
| DS Manhole<br><b>C-23</b>                   | Length surveyed<br><b>310.9</b> | Year Renewed                | Height<br><b>8</b>                        | Width<br><b>8</b> | Pipe Joint...                |                              |
|   |                                 |                             |   |                   | <b>N/A</b>                   |                              |



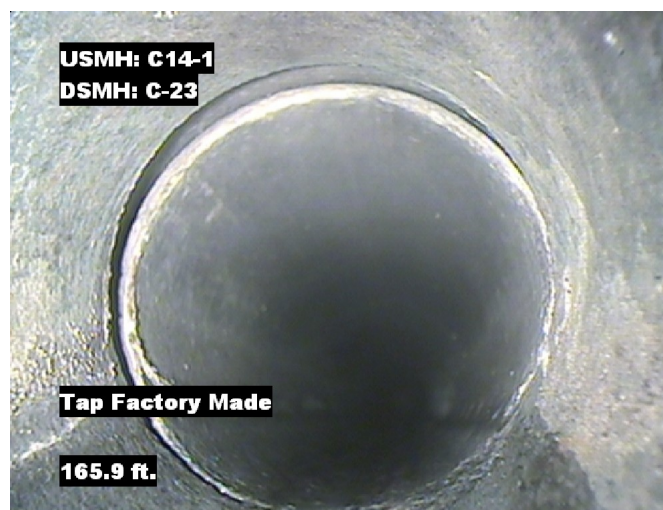
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C14-1



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



Distance: 43.9 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 165.9 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A

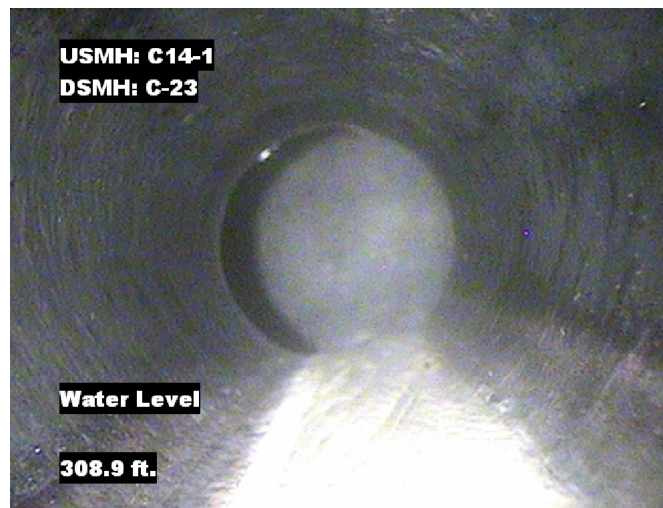


## Image Report 4/Page

| Pipe Segment Refere... | City                     | Street       | Material               | Location C...    | Sewer Use            |
|------------------------|--------------------------|--------------|------------------------|------------------|----------------------|
| C14-1_C-23             | Oliver Springs           | Edmonds Dr   | Fibreglass Reinforc... | Yard             | Sanitary             |
| Upstream MH<br>C14-1   | Total Length<br>310.9    | Year Laid    | Shape<br>Circular      | Location Details |                      |
| DS Manhole<br>C-23     | Length surveyed<br>310.9 | Year Renewed | Height<br>8            | Width<br>8       | Pipe Joint...<br>N/A |



Distance: 274.4 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 308.8 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 310.9 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C-23



## PACP Conditions

|   |   |                                |   |   |                              |
|---|---|--------------------------------|---|---|------------------------------|
| Pipe Segment Refere...<br><b>C14-1_C-23</b> | City<br><b>Oliver Springs</b>             | Street<br><b>Edmonds Dr</b>    | Material<br><b>Fibreglass Reinforc...</b> | Location C...<br><b>Yard</b>                | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C14-1</b>                 | Total Length<br><b>310.9</b>              | Year Laid                      | Shape<br><b>Circular</b>                  | Location Details                            |                              |
| DS Manhole<br><b>C-23</b>                   | Length surveyed<br><b>310.9</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>N/A</b>                         | PO Number<br><b>4397-03</b>    |   | Customer<br><b>GRW</b>                      |                              |
| SPRI<br><b>N/A</b>                          | MPRI<br><b>N/A</b>                        | Work Order<br><b>4397-02</b>   |   | Purpose<br><b>Pre-Rehabilitation Survey</b> |                              |
| QSR<br><b>N/A</b>                           | QMR<br><b>N/A</b>                         | Direction<br><b>Downstream</b> |   | Date<br><b>20150714</b>                     |                              |
| OPR<br><b>N/A</b>                           | Surveyed By<br><b>Barry Rogers</b>        | Pre-Cleaning<br><b>Jetting</b> |   | Media label                                 |                              |
| OPRI<br><b>N/A</b>                          | Certificate Number<br><b>U-1012-16405</b> | Time<br><b>11:26</b>           |   | Weather<br><b>Light Rain</b>                |                              |
| Date Cleaned<br><b>20150714</b>             |   |                                | End Time<br><b>11:46</b>                  |   | Additional Info              |

|                    |    |        | Structural Ratings |            |        | O & M Ratings |            |        | Combined Ratings |            |        |
|--------------------|----|--------|--------------------|------------|--------|---------------|------------|--------|------------------|------------|--------|
|                    |    |        | Grade Rating       | No. Occur. | Rating | Grade Rating  | No. Occur. | Rating | Grade Rating     | No. Occur. | Rating |
| Normal Defects     |    |        |                    |            |        |               |            |        |                  |            |        |
| Continuous Defects |    |        | 1                  | 0          | 0      | 1             | 0          | 0      | 1                | 0          | 0      |
|                    |    |        | 2                  | 0          | 0      | 2             | 0          | 0      | 2                | 0          | 0      |
|                    |    |        | 3                  | 0          | 0      | 3             | 0          | 0      | 3                | 0          | 0      |
|                    |    |        | 4                  | 0          | 0      | 4             | 0          | 0      | 4                | 0          | 0      |
|                    |    |        | 5                  | 0          | 0      | 5             | 0          | 0      | 5                | 0          | 0      |
| Code               | ID | Length |                    |            |        |               |            |        |                  |            |        |
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