



## Defect Listing

|  |                                 |                         |  |  |                              |
|--|---------------------------------|-------------------------|--|--|------------------------------|
| Pipe Segment Refere...<br><b>C-21_C-20</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Hwy 61</b> | Material<br><b>Fibreglass Reinf...</b> | Location C...<br><b>Main Highw...</b>  | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C-21</b>                 | Total Length<br><b>100.8</b>    | Year Laid               | Shape<br><b>Circular</b>               | Location Details<br><b>Side of Hwy</b> |                              |
| DS Manhole<br><b>C-20</b>                  | Length surveyed<br><b>100.8</b> | Year Renewed            | Height<br><b>8</b>                     | Width<br><b>8</b>                      | Pipe Joint...<br><b>N/A</b>  |

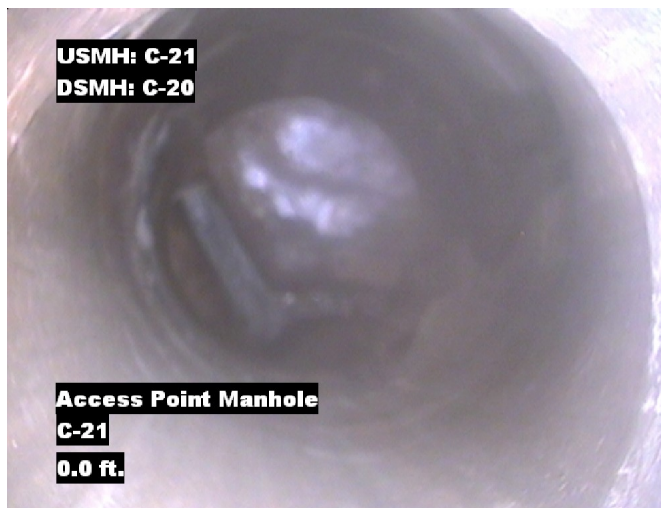
|                                 |   |                                |                          |   |  |
|---------------------------------|---|--------------------------------|--------------------------|---|--|
| SPR<br><b>N/A</b>               | MPR<br><b>N/A</b>                         | PO Number<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>                         |                                |                          |   |  |
| OPR<br><b>N/A</b>               | Surveyed By<br><b>Barry Rogers</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150717</b>  | Media label                                 |  |
| OPRI<br><b>N/A</b>              | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>06:54</b>     | Weather<br><b>Dry</b>                       |  |
| Date Cleaned<br><b>20150717</b> |   |                                | End Time<br><b>07:14</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: C-21 |                         |             |        |     |    |                          |                |    |       |
| 0.0 ft.       | Water Level             |             |        |     | 30 | <input type="checkbox"/> |                |    |       |
| 100.0 ft.     | Tap Factory Made Active |             | 8      |     | 0  | <input type="checkbox"/> | 6              |    |       |
| 100.8 ft.     | Access Point Manhole    |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: C-20 |                         |             |        |     |    |                          |                |    |       |

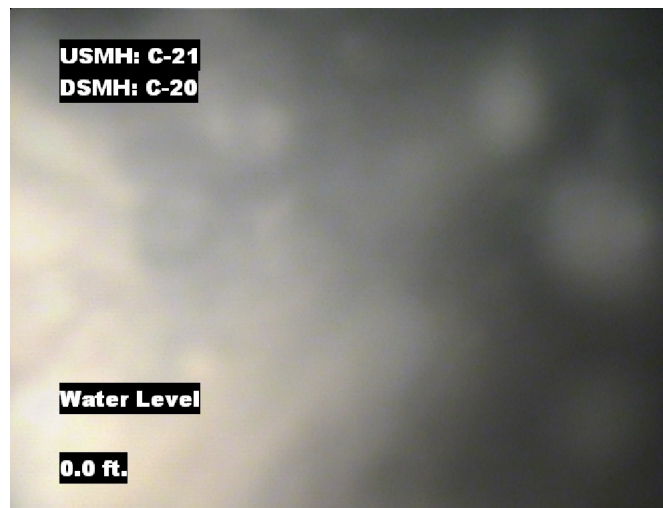


## Image Report 4/Page

|  |                                 |                         |   |  |                              |
|--|---------------------------------|-------------------------|---|--|------------------------------|
| Pipe Segment Refere...<br><b>C-21_C-20</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Hwy 61</b> | Material<br><b>Fibreglass Reinforc...</b> | Location C...<br><b>Main Highw...</b>  | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>C-21</b>                 | Total Length<br><b>100.8</b>    | Year Laid               | Shape<br><b>Circular</b>                  | Location Details<br><b>Side of Hwy</b> |                              |
| DS Manhole<br><b>C-20</b>                  | Length surveyed<br><b>100.8</b> | Year Renewed            | Height<br><b>8</b>                        | Width<br><b>8</b>                      | Pipe Joint...<br><b>N/A</b>  |



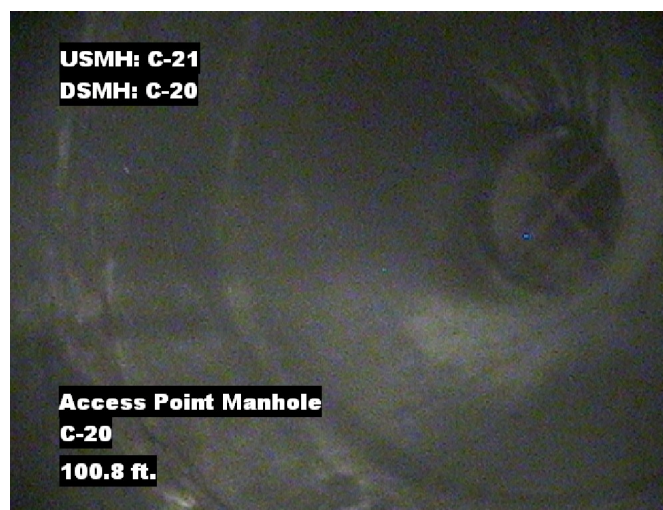
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C-21



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



Distance: 100.0 ft. Grade: 0  
Condition: Tap Factory Made Active  
Remarks: N/A



Distance: 100.8 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: C-20



|                                     |                                    |                         |                                    |            |                                 |                       |
|-------------------------------------|------------------------------------|-------------------------|------------------------------------|------------|---------------------------------|-----------------------|
| Pipe Segment Refere...<br>C-21_C-20 | City<br>Oliver Springs             | Street<br>Hwy 61        | Material<br>Fibreglass Reinforc... |            | Location C...<br>Main Highw...  | Sewer Use<br>Sanitary |
| Upstream MH<br>C-21                 | Total Length<br>100.8              | Year Laid               | Shape<br>Circular                  |            | Location Details<br>Side of Hwy |                       |
| DS Manhole<br>C-20                  | Length surveyed<br>100.8           | Year Renewed            | Height<br>8                        | Width<br>8 | Pipe Joint...<br>N/A            |                       |
| SPR<br>N/A                          | MPR<br>N/A                         | PO Number<br>4397-03    |                                    |            | Customer<br>GRW                 |                       |
| SPRI<br>N/A                         | MPRI<br>N/A                        | Work Order<br>4397-02   |                                    |            | Purpose                         |                       |
| QSR<br>N/A                          | QMR<br>N/A                         |                         |                                    |            | Pre-Rehabilitation Survey       |                       |
| OPR<br>N/A                          | Surveyed By<br>Barry_Rogers        | Direction<br>Downstream | Date<br>20150717                   |            | Media label                     |                       |
| OPRI<br>N/A                         | Certificate Number<br>U-1012-16405 | Pre-Cleaning<br>Jetting | Time<br>06:54                      |            | Weather<br>Dry                  |                       |
| Date Cleaned<br>20150717            |                                    |                         | End Time<br>07:14                  |            | 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  |  |  |                    |            |        |                  |            |        |                     |            |        |
| <div>Continuous Defects</div> <div>CodeIDLength</div> |  |  | 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      |
|   |  |  |                    |            |        |                  |            |        |                     |            |        |
|   |  |  | Subtotals          | 0          |        | Subtotals        | 0          |        | Subtotals           | 0          |        |
| SUMMARY   |  |  | Pipe Rating        | 0          |        | Pipe Rating      | 0          |        | Overall Pipe Rating | 0          |        |
|   |  |  | Structural Index   | 0          |        | O&M Index        | 0          |        | Overall Index       | 0          |        |
|   |  |  | Str. Quick Rating  | 0000       |        | O&M Quick Rating | 0000       |        | Ovrl. Quick Rating  | 0000       |        |