



## Defect Listing

|   |                                 |                             |   |                                       |                              |
|---|---------------------------------|-----------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>A43-1_A6-19A</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Highway 61</b> | Material<br><b>Concrete Pipe (non-...</b> | Location C...<br><b>Main Highw...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>A43-1</b>                   | Total Length<br><b>174.4</b>    | Year Laid                   | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>A6-19A</b>                   | Length surveyed<br><b>174.4</b> | Year Renewed                | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>4</b>    |

|                    |   |                                |   |
|--------------------|---|--------------------------------|---|
| SPR<br><b>7</b>    | MPR<br><b>6</b>                             | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>3.5</b> | MPRI<br><b>3</b>                            | Work Order<br><b>4397-02</b>   | Purpose<br><b>Pre-Rehabilitation Survey</b> |
| QSR<br><b>5121</b> | QMR<br><b>4121</b>                          |                                |   |
| OPR<br><b>13</b>   | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Upstream</b>   | Date<br><b>20150901</b>                     |
| OPRI<br><b>3.3</b> | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>10:27</b>                        |
|                    | Date Cleaned<br><b>20150901</b>             | End Time<br><b>10:38</b>       | Weather<br><b>Dry</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: A6-19                    |                      |             |        |     |    |                          |                |    |       |
| 0.0 ft.                           | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 169.3 ft.                         | Water Level Sag      |             |        |     | 10 | <input type="checkbox"/> |                |    | 2     |
| 174.2 ft.                         | Hole Soil Visible    |             |        |     | 0  | <input type="checkbox"/> | 9              | 3  | 5     |
| 174.2 ft.                         | Infiltration Runner  |             |        |     | 0  | <input type="checkbox"/> | 9              | 3  | 4     |
| 174.4 ft.                         | Joint Offset Large   |             |        |     | 0  | <input type="checkbox"/> |                |    | 2     |
| 174.4 ft.                         | Survey Abandoned     |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: cannot pass offset joint |                      |             |        |     |    |                          |                |    |       |

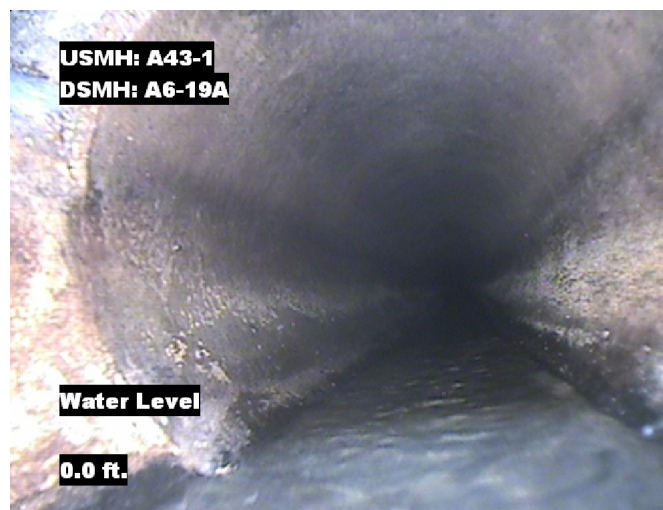


## Image Report 4/Page

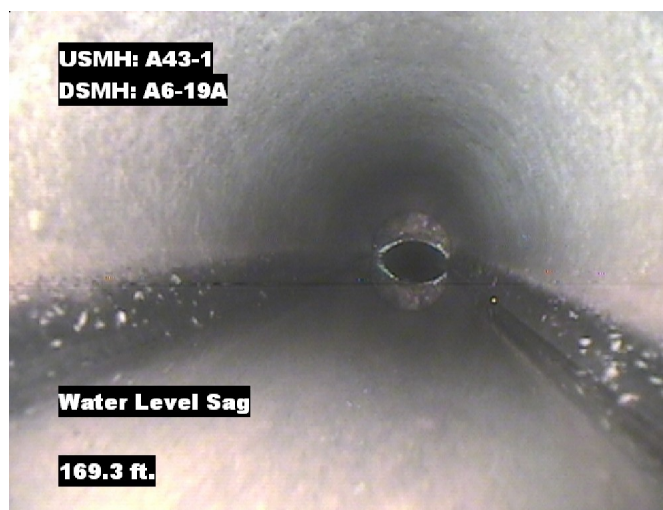
| Pipe Segment Refere... | City                     | Street       | Material               | Location C...    | Sewer Use          |
|------------------------|--------------------------|--------------|------------------------|------------------|--------------------|
| A43-1_A6-19A           | Oliver Springs           | Highway 61   | Concrete Pipe (non-... | Main Highw...    | Sanitary           |
| Upstream MH<br>A43-1   | Total Length<br>174.4    | Year Laid    | Shape<br>Circular      | Location Details |                    |
| DS Manhole<br>A6-19A   | Length surveyed<br>174.4 | Year Renewed | Height<br>8            | Width<br>8       | Pipe Joint...<br>4 |



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: A6-19



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



Distance: 169.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 174.2 ft. Grade: 5  
Condition: Hole Soil Visible  
Remarks: N/A

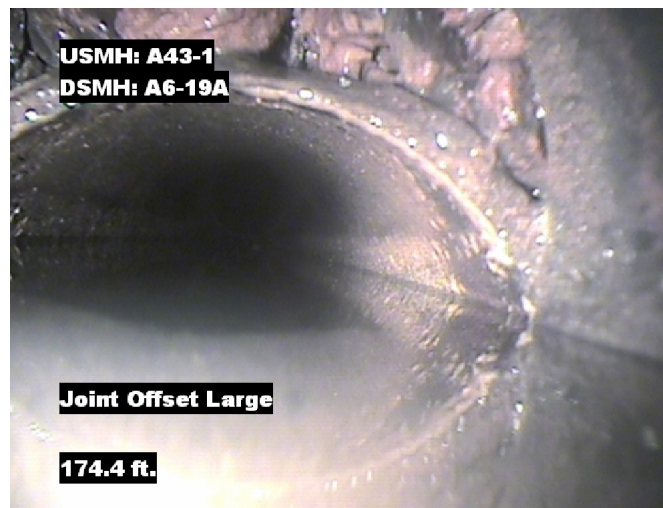


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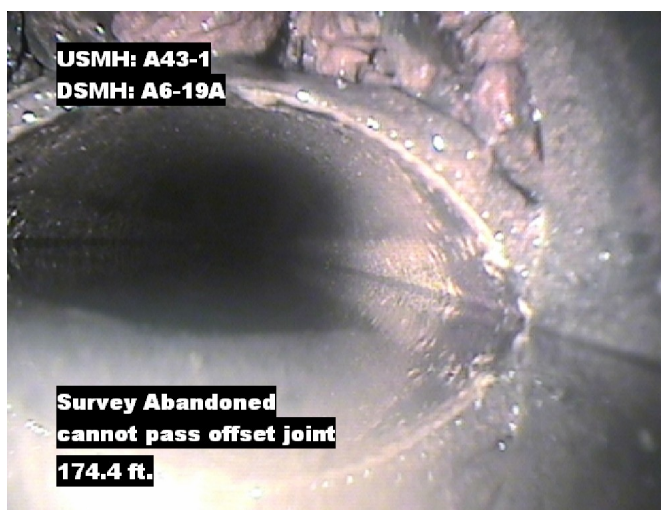
| Pipe Segment Refere... | City                     | Street       | Material               | Location C...    | Sewer Use          |
|------------------------|--------------------------|--------------|------------------------|------------------|--------------------|
| A43-1_A6-19A           | Oliver Springs           | Highway 61   | Concrete Pipe (non-... | Main Highw...    | Sanitary           |
| Upstream MH<br>A43-1   | Total Length<br>174.4    | Year Laid    | Shape<br>Circular      | Location Details |                    |
| DS Manhole<br>A6-19A   | Length surveyed<br>174.4 | Year Renewed | Height<br>8            | Width<br>8       | Pipe Joint...<br>4 |



Distance: 174.2 ft. Grade: 4  
Condition: Infiltration Runner  
Remarks: N/A



Distance: 174.4 ft. Grade: 2  
Condition: Joint Offset Large  
Remarks: N/A



Distance: 174.4 ft. Grade: 0  
Condition: Survey Abandoned  
Remarks: cannot pass offset joint



## PACP Conditions

|   |                                 |                             |   |                                       |                              |
|---|---------------------------------|-----------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>A43-1_A6-19A</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Highway 61</b> | Material<br><b>Concrete Pipe (non-...</b> | Location C...<br><b>Main Highw...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>A43-1</b>                   | Total Length<br><b>174.4</b>    | Year Laid                   | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>A6-19A</b>                   | Length surveyed<br><b>174.4</b> | Year Renewed                | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>4</b>    |

|                    |   |                                |   |
|--------------------|---|--------------------------------|---|
| SPR<br><b>7</b>    | MPR<br><b>6</b>                             | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>3.5</b> | MPRI<br><b>3</b>                            | Work Order<br><b>4397-02</b>   | Purpose<br><b>Pre-Rehabilitation Survey</b> |
| QSR<br><b>5121</b> | QMR<br><b>4121</b>                          |                                |   |
| OPR<br><b>13</b>   | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Upstream</b>   | Date<br><b>20150901</b>                     |
| OPRI<br><b>3.3</b> | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>10:27</b>                        |
|                    | Date Cleaned<br><b>20150901</b>             | End Time<br><b>10:38</b>       | Weather<br><b>Dry</b>                       |
|                    |   | Additional Info                |   |

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