



## Defect Listing

|  |                                 |                               |   |                                       |                              |
|--|---------------------------------|-------------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>A-29_A-28</b> | City<br><b>OLiver Springs</b>   | Street<br><b>Old harriman</b> | Material<br><b>Fibreglass Reinforc...</b> | Location C...<br><b>Easement/R...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>A-29</b>                 | Total Length<br><b>351.6</b>    | Year Laid                     | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>A-28</b>                  | Length surveyed<br><b>351.6</b> | Year Renewed                  | Height<br><b>15</b>                       | Width<br><b>15</b>                    | Pipe Joint...<br><b>N/A</b>  |

|                    |   |  |   |
|--------------------|---|--|---|
| SPR<br><b>N/A</b>  | MPR<br><b>38</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>2B00</b>                          |  |   |
| OPR<br><b>38</b>   | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Upstream</b>           | Date<br><b>20151014</b>                     |
| OPRI<br><b>2</b>   | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>No Pre-Cleaning</b> | Time<br><b>12:38</b>                        |
|                    | Date Cleaned                                | End Time<br><b>12:54</b>               | Weather<br><b>Damp</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: A-28 |                      |             |        |     |    |                          |                |    |       |
| 0.0 ft.       | Water Level          |             |        |     | 10 | <input type="checkbox"/> |                |    |       |
| 223.6 ft.     | Water Level Sag      | S01         |        |     | 20 | <input type="checkbox"/> |                |    | 2     |
| 319.3 ft.     | Water Level Sag      | F01         |        |     | 20 | <input type="checkbox"/> |                |    | 2     |
| 349.5 ft.     | Water Level          |             |        |     | 10 | <input type="checkbox"/> |                |    |       |
| 351.6 ft.     | Access Point Manhole |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: A-29 |                      |             |        |     |    |                          |                |    |       |



## Image Report 4/Page

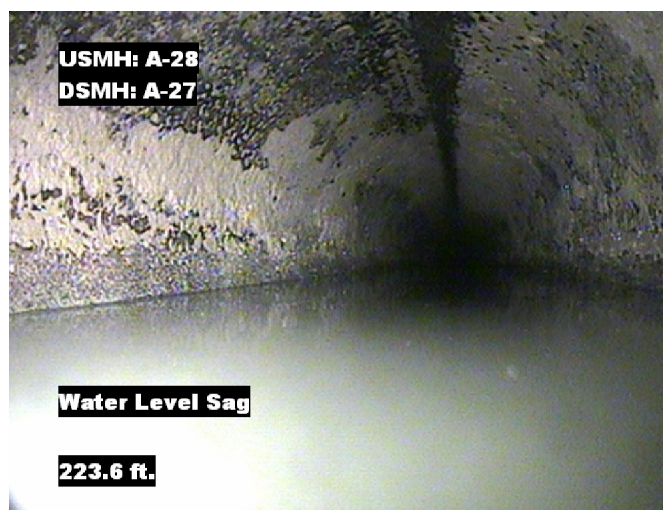
| Pipe Segment Refere... | City            | Street       | Material               | Location C...    | Sewer Use     |
|------------------------|-----------------|--------------|------------------------|------------------|---------------|
| A-29_A-28              | OLiver Springs  | Old harriman | Fibreglass Reinforc... | Easement/R...    | Sanitary      |
| Upstream MH            | Total Length    | Year Laid    | Shape                  | Location Details |               |
| A-29                   | 351.6           |              | Circular               |                  |               |
| DS Manhole             | Length surveyed | Year Renewed | Height                 | Width            | Pipe Joint... |
| A-28                   | 351.6           |              | 15                     | 15               | N/A           |



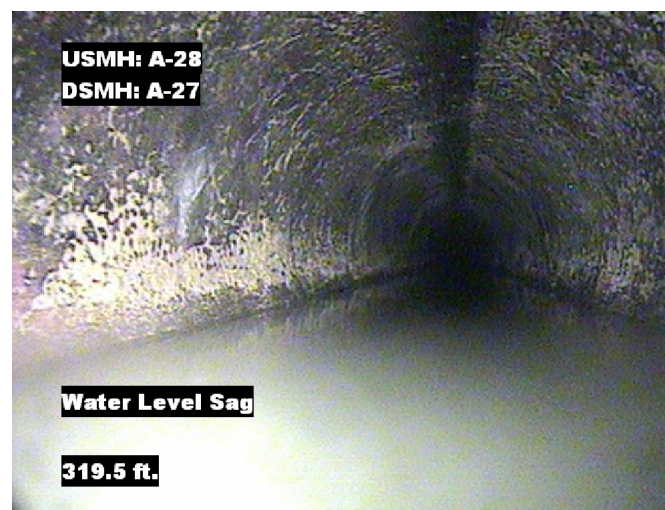
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: A-28



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



Distance: 223.6 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A

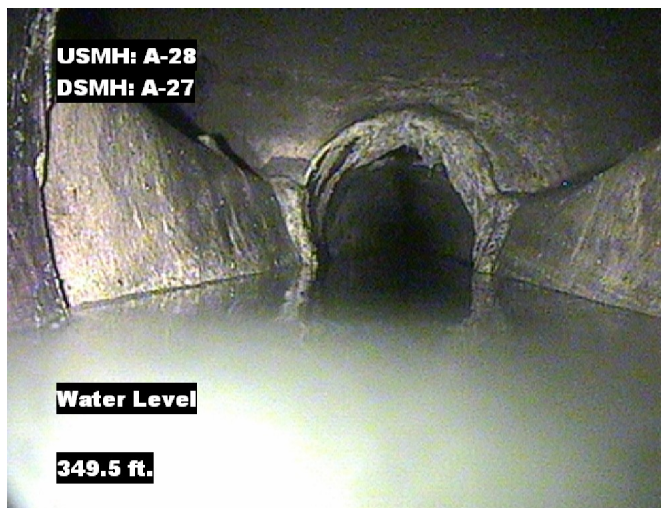


Distance: 319.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



## Image Report 4/Page

|                        |                 |              |                        |                  |               |
|------------------------|-----------------|--------------|------------------------|------------------|---------------|
| Pipe Segment Refere... | City            | Street       | Material               | Location C...    | Sewer Use     |
| A-29_A-28              | OLiver Springs  | Old harriman | Fibreglass Reinforc... | Easement/R...    | Sanitary      |
| Upstream MH            | Total Length    | Year Laid    | Shape                  | Location Details |               |
| A-29                   | 351.6           |              | Circular               |                  |               |
| DS Manhole             | Length surveyed | Year Renewed | Height                 | Width            | Pipe Joint... |
| A-28                   | 351.6           |              | 15                     | 15               | N/A           |



Distance: 349.5 ft.      Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 351.6 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: A-29



## PACP Conditions

|  |   |  |   |   |                              |
|--|---|--|---|---|------------------------------|
| Pipe Segment Refere...<br><b>A-29_A-28</b> | City<br><b>OLiver Springs</b>               | Street<br><b>Old harriman</b>          | Material<br><b>Fibreglass Reinforc...</b> | Location C...<br><b>Easement/R...</b>       | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>A-29</b>                 | Total Length<br><b>351.6</b>                | Year Laid                              | Shape<br><b>Circular</b>                  | Location Details                            |                              |
| DS Manhole<br><b>A-28</b>                  | Length surveyed<br><b>351.6</b>             | Year Renewed                           | Height<br><b>15</b>                       | Width<br><b>15</b>                          | Pipe Joint...<br><b>N/A</b>  |
| SPR<br><b>N/A</b>                          | MPR<br><b>38</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>2B00</b>                          |  |   |   |                              |
| OPR<br><b>38</b>                           | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Upstream</b>           | Date<br><b>20151014</b>                   | Media label                                 |                              |
| OPRI<br><b>2</b>                           | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>No Pre-Cleaning</b> | Time<br><b>12:38</b>                      | Weather<br><b>Damp</b>                      |                              |
| Date Cleaned                               |   |  | End Time<br><b>12:54</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                  | 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 | 0                  | 0          | 0      | 2                | 19         | 38     | 2                   | 19         | 38     |
| MWLS               | F01 | 95.7   |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        | Subtotals          | 0          |        | Subtotals        | 19         |        | Subtotals           | 19         |        |
| SUMMARY            |     |        | Pipe Rating        |            | 0      | Pipe Rating      |            | 38     | Overall Pipe Rating |            | 38     |
|                    |     |        | Structural Index   |            | 0      | O&M Index        |            | 2.0    | Overall Index       |            | 2.0    |
|                    |     |        | Str. Quick Rating  |            | 0000   | O&M Quick Rating |            | 2B00   | Ovrl. Quick Rating  |            | 2B00   |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |