



## Defect Listing

|  |                                 |                              |   |                                       |                              |
|--|---------------------------------|------------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>B-15_B-14</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Cemetery Rd</b> | Material<br><b>Concrete Pipe (non-...</b> | Location C...<br><b>Easement/R...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>B-15</b>                 | Total Length<br><b>325.4</b>    | Year Laid                    | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>B-14</b>                  | Length surveyed<br><b>325.4</b> | Year Renewed                 | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>4</b>    |

|                    |   |                                |   |
|--------------------|---|--------------------------------|---|
| SPR<br><b>N/A</b>  | MPR<br><b>4</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>2200</b>                          |                                |   |
| OPR<br><b>4</b>    | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150911</b>                     |
| OPRI<br><b>2</b>   | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>08:38</b>                        |
|                    | Date Cleaned<br><b>20150911</b>             | End Time<br><b>08:57</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: B-15 |                      |             |        |     |    |                          |                |    |       |
| 0.0 ft.       | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 276.3 ft.     | Water Level Sag      | S01         |        |     | 10 | <input type="checkbox"/> |                |    | 2     |
| 285.6 ft.     | Water Level Sag      | F01         |        |     | 10 | <input type="checkbox"/> |                |    | 2     |
| 323.4 ft.     | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 325.4 ft.     | Access Point Manhole |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: B-14 |                      |             |        |     |    |                          |                |    |       |

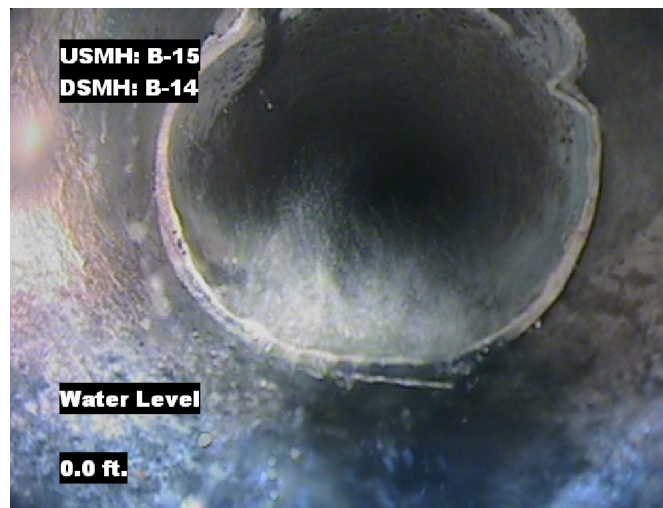


## Image Report 4/Page

|  |  |                                     |  |                   |  |                                     |
|--|--|-------------------------------------|--|-------------------|--|-------------------------------------|
| Pipe Segment Refere...<br><b>B-15_B-14</b> | <b>City</b><br><b>Oliver Springs</b>   | <b>Street</b><br><b>Cemetery Rd</b> | <b>Material</b><br><b>Concrete Pipe (non-...</b> |                   | <b>Location C...</b><br><b>Easement/R...</b> | <b>Sewer Use</b><br><b>Sanitary</b> |
| <b>Upstream MH</b><br><b>B-15</b>          | Total Length<br><b>325.4</b>           | Year Laid                           | <b>Shape</b><br><b>Circular</b>                  |                   | Location Details                             |                                     |
| <b>DS Manhole</b><br><b>B-14</b>           | <b>Length surveyed</b><br><b>325.4</b> | Year Renewed                        | <b>Height</b><br><b>8</b>                        | Width<br><b>8</b> | Pipe Joint...                                | <b>4</b>                            |



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: B-15



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



Distance: 276.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 285.6 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A

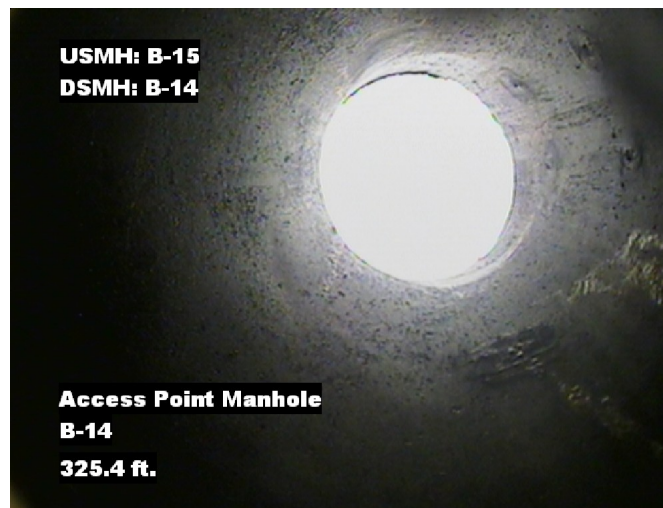


## Image Report 4/Page

|  |  |                                     |  |                   |  |                                     |
|--|--|-------------------------------------|--|-------------------|--|-------------------------------------|
| Pipe Segment Refere...<br><b>B-15_B-14</b> | <b>City</b><br><b>Oliver Springs</b>   | <b>Street</b><br><b>Cemetery Rd</b> | <b>Material</b><br><b>Concrete Pipe (non-...</b> |                   | <b>Location C...</b><br><b>Easement/R...</b> | <b>Sewer Use</b><br><b>Sanitary</b> |
| <b>Upstream MH</b><br><b>B-15</b>          | Total Length<br><b>325.4</b>           | Year Laid                           | <b>Shape</b><br><b>Circular</b>                  |                   | Location Details                             |                                     |
| <b>DS Manhole</b><br><b>B-14</b>           | <b>Length surveyed</b><br><b>325.4</b> | Year Renewed                        | <b>Height</b><br><b>8</b>                        | Width<br><b>8</b> | Pipe Joint...                                | <b>4</b>                            |



Distance: 323.4 ft.      Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 325.4 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: B-14



## PACP Conditions

|  |   |                                |   |   |                              |
|--|---|--------------------------------|---|---|------------------------------|
| Pipe Segment Refere...<br><b>B-15_B-14</b> | City<br><b>Oliver Springs</b>               | Street<br><b>Cemetery Rd</b>   | Material<br><b>Concrete Pipe (non-...</b> | Location C...<br><b>Easement/R...</b>       | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>B-15</b>                 | Total Length<br><b>325.4</b>                | Year Laid                      | Shape<br><b>Circular</b>                  | Location Details                            |                              |
| DS Manhole<br><b>B-14</b>                  | Length surveyed<br><b>325.4</b>             | Year Renewed                   | Height<br><b>8</b>                        | Width<br><b>8</b>                           | Pipe Joint...<br><b>4</b>    |
| SPR <b>N/A</b>                             | MPR <b>4</b>                                | PO Number<br><b>4397-03</b>    |   | Customer<br><b>GRW</b>                      |                              |
| SPRI <b>N/A</b>                            | MPRI <b>2</b>                               | Work Order<br><b>4397-02</b>   |   | Purpose<br><b>Pre-Rehabilitation Survey</b> |                              |
| QSR <b>N/A</b>                             | QMR <b>2200</b>                             |                                |   |   |                              |
| OPR<br><b>4</b>                            | Surveyed By<br><b>Charlie Gordon</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150911</b>                   | Media label                                 |                              |
| OPRI<br><b>2</b>                           | Certificate Number<br><b>U-615-07000491</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>08:38</b>                      | Weather<br><b>Damp</b>                      |                              |
| Date Cleaned<br><b>20150911</b>            |   |                                | End Time<br><b>08:57</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                | 2          | 4      | 2                   | 2          | 4      |
| MWLS               | F01 | 9.3    |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |
|                    |     |        | Subtotals          | 0          |        | Subtotals        | 2          |        | Subtotals           | 2          |        |
| SUMMARY            |     |        | Pipe Rating        |            | 0      | Pipe Rating      |            | 4      | Overall Pipe Rating |            | 4      |
|                    |     |        | Structural Index   |            | 0      | O&M Index        |            | 2.0    | Overall Index       |            | 2.0    |
|                    |     |        | Str. Quick Rating  |            | 0000   | O&M Quick Rating |            | 2200   | Ovrl. Quick Rating  |            | 2200   |
|                    |     |        |                    |            |        |                  |            |        |                     |            |        |