



## Defect Listing

|   |                                 |                             |   |                                       |                              |
|---|---------------------------------|-----------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>A20-10_A20-9</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Highway 62</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>A20-10</b>                  | Total Length<br><b>309.3</b>    | Year Laid                   | Shape<br><b>Circular</b>                  | Location Details                      |                              |
| DS Manhole<br><b>A20-9</b>                    | Length surveyed<br><b>309.3</b> | Year Renewed                | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>4</b>    |

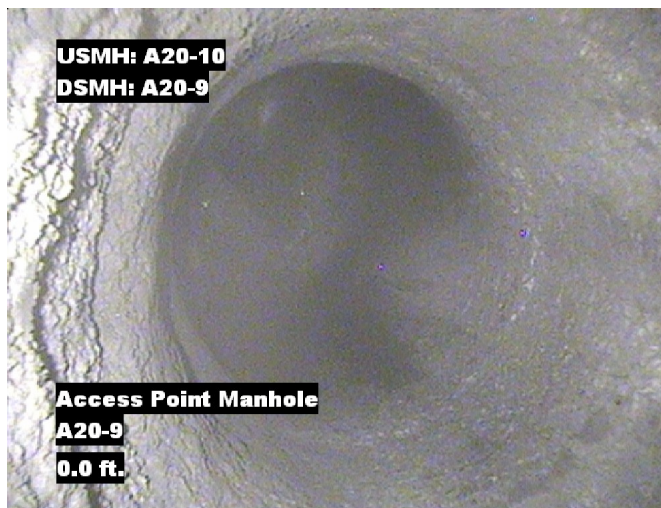
|                    |   |                                |   |
|--------------------|---|--------------------------------|---|
| SPR<br><b>N/A</b>  | MPR<br><b>12</b>                          | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>N/A</b> | MPRI<br><b>4</b>                          | Work Order<br><b>4397-02</b>   | Purpose<br><b>Pre-Rehabilitation Survey</b> |
| QSR<br><b>N/A</b>  | QMR<br><b>4300</b>                        |                                |   |
| OPR<br><b>12</b>   | Surveyed By<br><b>Barry Rogers</b>        | Direction<br><b>Upstream</b>   | Date<br><b>20150804</b>                     |
| OPRI<br><b>4</b>   | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>04:40</b>                        |
|                    | Date Cleaned<br><b>20150804</b>           | End Time<br><b>04:57</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: A20-9  |                      |             |        |     |    |                          |                |    |       |
| 0.0 ft.         | Water Level          |             |        |     | 20 | <input type="checkbox"/> |                |    |       |
| 271.1 ft.       | Water Level Sag      |             |        |     | 55 | <input type="checkbox"/> |                |    | 4     |
| 271.8 ft.       | Camera Underwater    |             |        |     | 0  | <input type="checkbox"/> |                |    | 4     |
| 287.7 ft.       | Camera Underwater    |             |        |     | 0  | <input type="checkbox"/> |                |    | 4     |
| 307.2 ft.       | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 309.3 ft.       | Access Point Manhole |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: A20-10 |                      |             |        |     |    |                          |                |    |       |



## Image Report 4/Page

| Pipe Segment Refere... | City                     | Street       | Material               | Location C...    | Sewer Use          |
|------------------------|--------------------------|--------------|------------------------|------------------|--------------------|
| A20-10_A20-9           | Oliver Springs           | Highway 62   | Concrete Pipe (non-... | Main Highw...    | Sanitary           |
| Upstream MH<br>A20-10  | Total Length<br>309.3    | Year Laid    | Shape<br>Circular      | Location Details |                    |
| DS Manhole<br>A20-9    | Length surveyed<br>309.3 | Year Renewed | Height<br>8            | Width<br>8       | Pipe Joint...<br>4 |



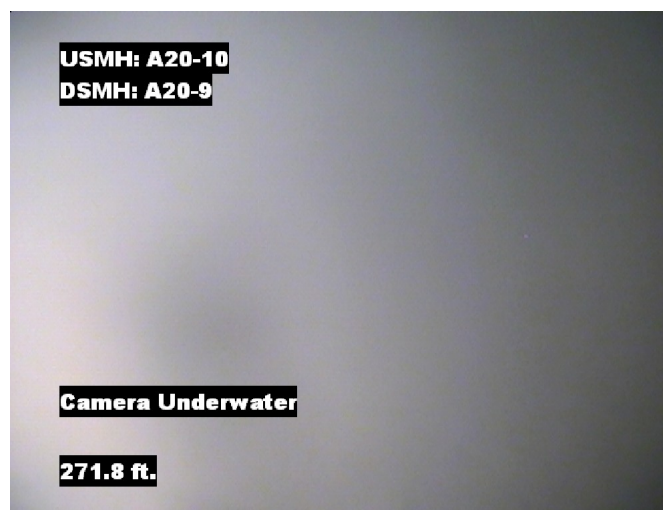
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: A20-9



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



Distance: 271.1 ft. Grade: 4  
Condition: Water Level Sag  
Remarks: N/A



Distance: 271.8 ft. Grade: 4  
Condition: Camera Underwater  
Remarks: N/A

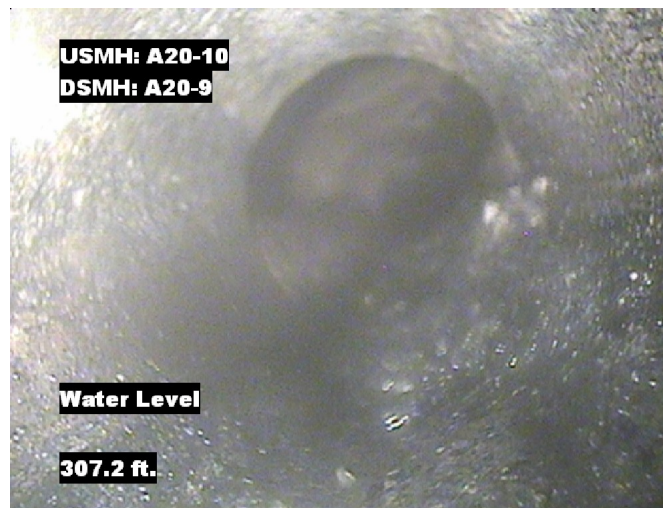


## Image Report 4/Page

| Pipe Segment Refere... | City                  | Street            | Material                      | Location C...        | Sewer Use       |
|------------------------|-----------------------|-------------------|-------------------------------|----------------------|-----------------|
| <b>A20-10_A20-9</b>    | <b>Oliver Springs</b> | <b>Highway 62</b> | <b>Concrete Pipe (non-...</b> | <b>Main Highw...</b> | <b>Sanitary</b> |
| <b>Upstream MH</b>     | Total Length          | Year Laid         | <b>Shape</b>                  | Location Details     |                 |
| <b>A20-10</b>          | <b>309.3</b>          |                   | <b>Circular</b>               |                      |                 |
| <b>DS Manhole</b>      | Length surveyed       | Year Renewed      | <b>Height</b>                 | Width                | Pipe Joint...   |
| <b>A20-9</b>           | <b>309.3</b>          |                   | <b>8</b>                      | <b>8</b>             | <b>4</b>        |



Distance: 287.7 ft. Grade: 4  
Condition: Camera Underwater  
Remarks: N/A



Distance: 307.2 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 309.3 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: A20-10



## PACP Conditions

|  |                                    |                         |                                    |                                      |                                |                       |
|--|------------------------------------|-------------------------|------------------------------------|--------------------------------------|--------------------------------|-----------------------|
| Pipe Segment Refere...<br>A20-10_A20-9 | City<br>Oliver Springs             | Street<br>Highway 62    | Material<br>Concrete Pipe (non-... |                                      | Location C...<br>Main Highw... | Sewer Use<br>Sanitary |
| Upstream MH<br>A20-10                  | Total Length<br>309.3              | Year Laid               | Shape<br>Circular                  |                                      | Location Details               |                       |
| DS Manhole<br>A20-9                    | Length surveyed<br>309.3           | Year Renewed            | Height<br>8                        | Width<br>8                           | Pipe Joint...<br>4             |                       |
| SPR<br>N/A                             | MPR<br>12                          | PO Number<br>4397-03    |                                    | Customer<br>GRW                      |                                |                       |
| SPRI<br>N/A                            | MPRI<br>4                          | Work Order<br>4397-02   |                                    | Purpose<br>Pre-Rehabilitation Survey |                                |                       |
| QSR<br>N/A                             | QMR<br>4300                        |                         |                                    |                                      |                                |                       |
| OPR<br>12                              | Surveyed By<br>Barry_Rogers        | Direction<br>Upstream   | Date<br>20150804                   |                                      | Media label                    |                       |
| OPRI<br>4                              | Certificate Number<br>U-1012-16405 | Pre-Cleaning<br>Jetting | Time<br>04:40                      |                                      | Weather<br>Dry                 |                       |
| Date Cleaned<br>20150804               |                                    |                         | End Time<br>04:57                  |                                      | Additional Info                |                       |

[illegible]