



## Defect Listing

|  |                                 |                             |                                       |                   |   |                              |
|--|---------------------------------|-----------------------------|---------------------------------------|-------------------|---|------------------------------|
| Pipe Segment Refere...<br><b>D20-3_D20-2</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Airport Rd</b> | Material<br><b>PolyVinyl Chloride</b> |                   | Location C...<br><b>Yard</b>            | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>D20-3</b>                  | Total Length<br><b>333.4</b>    | Year Laid                   | Shape<br><b>Circular</b>              |                   | Location Details<br><b>Side of Road</b> |                              |
| DS Manhole<br><b>D20-2</b>                   | Length surveyed<br><b>333.4</b> | Year Renewed                | Height<br><b>8</b>                    | Width<br><b>8</b> | Pipe Joint...<br><b>13</b>              |                              |

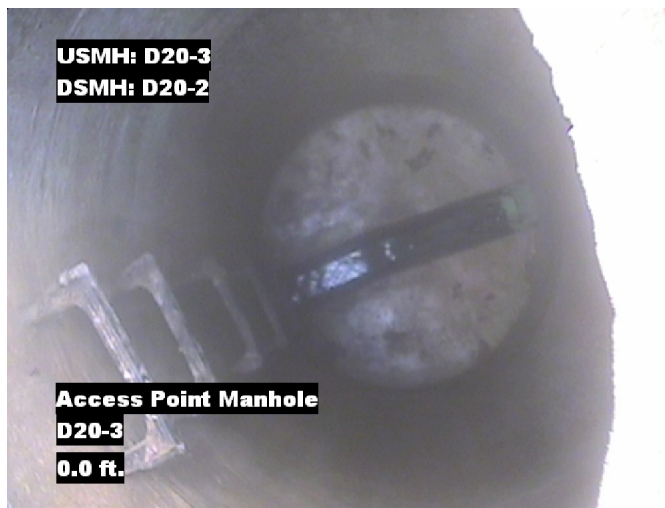
|                                 |   |                                |                          |   |  |
|---------------------------------|---|--------------------------------|--------------------------|---|--|
| SPR<br><b>N/A</b>               | MPR<br><b>N/A</b>                         | PO Number<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>20150603</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>09:24</b>     | Weather<br><b>Dry</b>                       |  |
| Date Cleaned<br><b>20150603</b> |   |                                | End Time<br><b>10:32</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: D20-3 |                      |             |        |     |    |                                     |                |    |       |
| 0.0 ft.        | Water Level          |             |        |     | 10 | <input type="checkbox"/>            |                |    |       |
| 174.2 ft.      | Tap Factory Made     |             | 6      |     | 0  | <input checked="" type="checkbox"/> | 11             |    |       |
| 212.6 ft.      | Tap Saddle           |             | 6      |     | 0  | <input type="checkbox"/>            | 10             |    |       |
| 241.1 ft.      | Tap Factory Made     |             | 6      |     | 0  | <input checked="" type="checkbox"/> | 3              |    |       |
| 330.8 ft.      | Water Level          |             |        |     | 10 | <input type="checkbox"/>            |                |    |       |
| 333.4 ft.      | Access Point Manhole |             |        |     | 0  | <input type="checkbox"/>            |                |    |       |
| Remarks: D20-2 |                      |             |        |     |    |                                     |                |    |       |

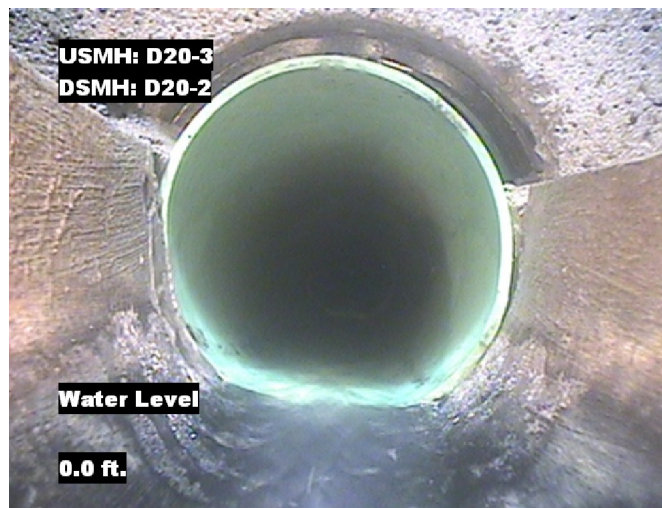


## Image Report 4/Page

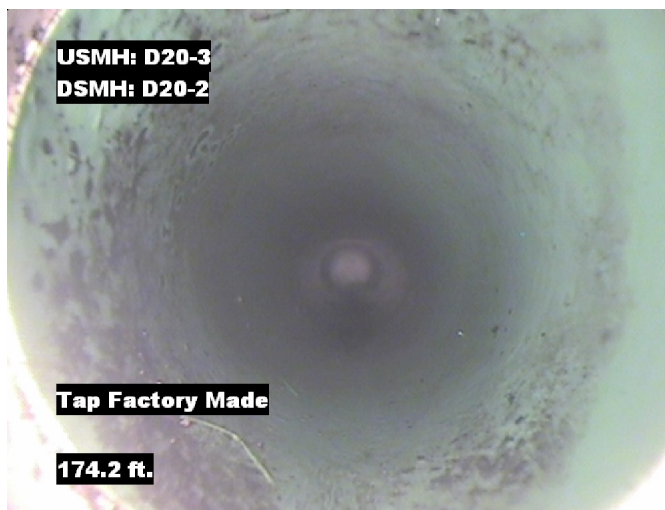
| Pipe Segment Refere... | City            | Street       | Material           | Location C...    | Sewer Use     |
|------------------------|-----------------|--------------|--------------------|------------------|---------------|
| D20-3_D20-2            | Oliver Springs  | Airport Rd   | PolyVinyl Chloride | Yard             | Sanitary      |
| Upstream MH            | Total Length    | Year Laid    | Shape              | Location Details |               |
| D20-3                  | 333.4           |              | Circular           | Side of Road     |               |
| DS Manhole             | Length surveyed | Year Renewed | Height             | Width            | Pipe Joint... |
| D20-2                  | 333.4           |              | 8                  | 8                | 13            |



Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: D20-3



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



Distance: 174.2 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 212.6 ft. Grade: 0  
Condition: Tap Saddle  
Remarks: N/A



## Image Report 4/Page

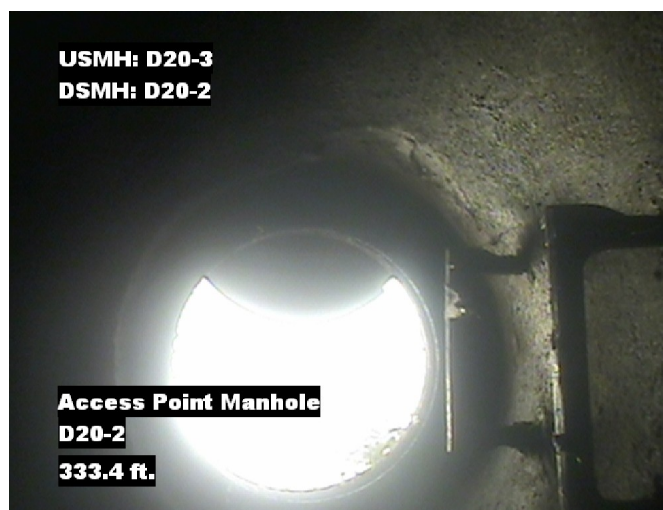
| Pipe Segment Refere... | City                     | Street       | Material           | Location C...                    | Sewer Use           |
|------------------------|--------------------------|--------------|--------------------|----------------------------------|---------------------|
| D20-3_D20-2            | Oliver Springs           | Airport Rd   | PolyVinyl Chloride | Yard                             | Sanitary            |
| Upstream MH<br>D20-3   | Total Length<br>333.4    | Year Laid    | Shape<br>Circular  | Location Details<br>Side of Road |                     |
| DS Manhole<br>D20-2    | Length surveyed<br>333.4 | Year Renewed | Height<br>8        | Width<br>8                       | Pipe Joint...<br>13 |



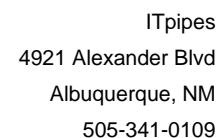
Distance: 241.1 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 330.8 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 333.4 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: D20-2



|                                       |                                    |                         |                                |            |                                  |                       |
|---------------------------------------|------------------------------------|-------------------------|--------------------------------|------------|----------------------------------|-----------------------|
| Pipe Segment Refere...<br>D20-3_D20-2 | City<br>Oliver Springs             | Street<br>Airport Rd    | Material<br>PolyVinyl Chloride |            | Location C...<br>Yard            | Sewer Use<br>Sanitary |
| Upstream MH<br>D20-3                  | Total Length<br>333.4              | Year Laid               | Shape<br>Circular              |            | Location Details<br>Side of Road |                       |
| DS Manhole<br>D20-2                   | Length surveyed<br>333.4           | Year Renewed            | Height<br>8                    | Width<br>8 | Pipe Joint...<br>13              |                       |
| 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>20150603               |            | Media label                      |                       |
| OPRI<br>N/A                           | Certificate Number<br>U-1012-16405 | Pre-Cleaning<br>Jetting | Time<br>09:24                  |            | Weather<br>Dry                   |                       |
| Date Cleaned<br>20150603              |                                    |                         | End Time<br>10:32              |            | Additional Info                  |                       |

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