



## Defect Listing

|                                              |                                 |                             |                                           |                                       |                              |
|----------------------------------------------|---------------------------------|-----------------------------|-------------------------------------------|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>E13-4_E13-3</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Oak Circle</b> | Material<br><b>Concrete Pipe (non-...</b> | Location C...<br><b>Light High...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>E13-4</b>                  | Total Length<br><b>212.7</b>    | Year Laid                   | Shape<br><b>Circular</b>                  | Location Details<br><b>Street</b>     |                              |
| DS Manhole<br><b>E13-3</b>                   | Length surveyed<br><b>212.7</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>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>20150609</b>                     |
| OPRI<br><b>N/A</b> | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>11:07</b>                        |
|                    | Date Cleaned<br><b>20150609</b>           | End Time<br><b>11:21</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: E13-4 |                      |             |        |     |   |                          |                |    |       |
| 0.0 ft.        | Water Level          |             |        |     | 5 | <input type="checkbox"/> |                |    |       |
| 96.5 ft.       | Tap Factory Made     |             | 6      |     | 0 | <input type="checkbox"/> | 9              |    |       |
| 210.0 ft.      | Water Level          |             |        |     | 5 | <input type="checkbox"/> |                |    |       |
| 212.7 ft.      | Access Point Manhole |             |        |     | 0 | <input type="checkbox"/> |                |    |       |
| Remarks: E13-3 |                      |             |        |     |   |                          |                |    |       |

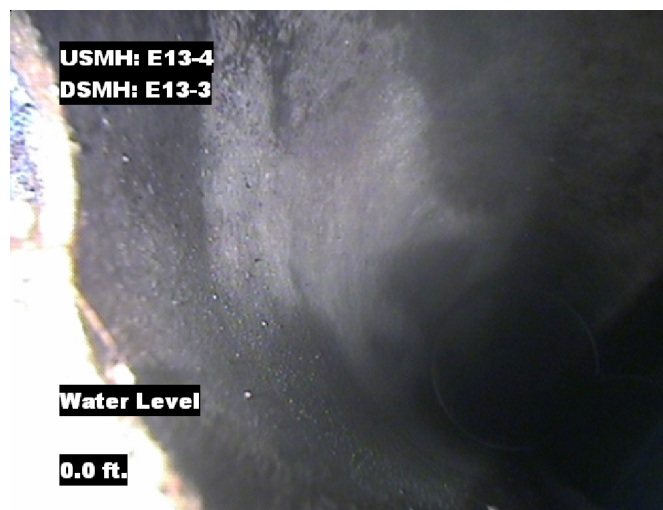


## Image Report 4/Page

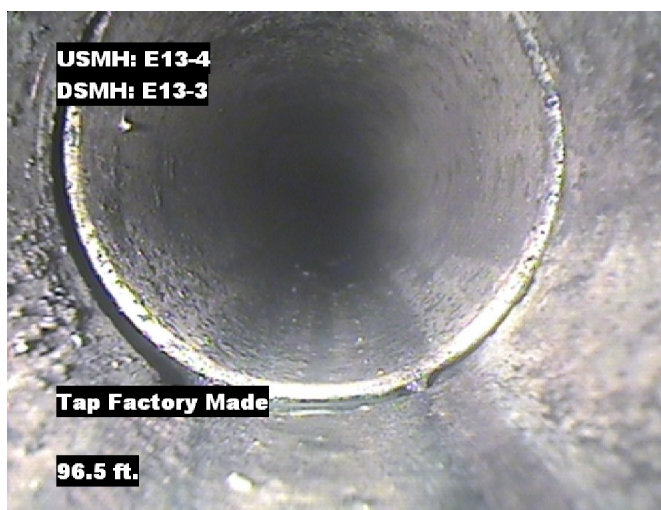
|                                              |                                 |                             |                                           |                   |                                       |                              |
|----------------------------------------------|---------------------------------|-----------------------------|-------------------------------------------|-------------------|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>E13-4_E13-3</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Oak Circle</b> | Material<br><b>Concrete Pipe (non-...</b> |                   | Location C...<br><b>Light High...</b> | Sewer Use<br><b>Sanitary</b> |
| Upstream MH<br><b>E13-4</b>                  | Total Length<br><b>212.7</b>    | Year Laid                   | Shape<br><b>Circular</b>                  |                   | Location Details<br><b>Street</b>     |                              |
| DS Manhole<br><b>E13-3</b>                   | Length surveyed<br><b>212.7</b> | Year Renewed                | Height<br><b>8</b>                        | Width<br><b>8</b> | Pipe Joint...<br><b>4</b>             |                              |



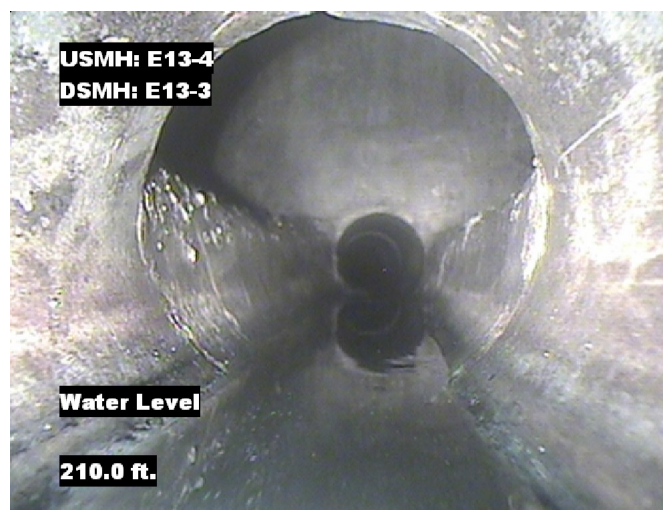
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: E13-4



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



Distance: 96.5 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 210.0 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A

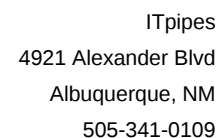


## Image Report 4/Page

| Pipe Segment Refere...             | City                                   | Street            | Material                        | Location C...                     | Sewer Use                 |
|------------------------------------|----------------------------------------|-------------------|---------------------------------|-----------------------------------|---------------------------|
| <b>E13-4_E13-3</b>                 | <b>Oliver Springs</b>                  | <b>Oak Circle</b> | <b>Concrete Pipe (non-...</b>   | <b>Light High...</b>              | <b>Sanitary</b>           |
| <b>Upstream MH</b><br><b>E13-4</b> | Total Length<br><b>212.7</b>           | Year Laid         | <b>Shape</b><br><b>Circular</b> | Location Details<br><b>Street</b> |                           |
| <b>DS Manhole</b><br><b>E13-3</b>  | <b>Length surveyed</b><br><b>212.7</b> | Year Renewed      | <b>Height</b><br><b>8</b>       | Width<br><b>8</b>                 | Pipe Joint...<br><b>4</b> |



Distance: 212.7 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: E13-3



|                                       |                                    |                         |                                    |                                      |                                |                       |
|---------------------------------------|------------------------------------|-------------------------|------------------------------------|--------------------------------------|--------------------------------|-----------------------|
| Pipe Segment Refere...<br>E13-4_E13-3 | City<br>Oliver Springs             | Street<br>Oak Circle    | Material<br>Concrete Pipe (non-... |                                      | Location C...<br>Light High... | Sewer Use<br>Sanitary |
| Upstream MH<br>E13-4                  | Total Length<br>212.7              | Year Laid               | Shape<br>Circular                  |                                      | Location Details<br>Street     |                       |
| DS Manhole<br>E13-3                   | Length surveyed<br>212.7           | Year Renewed            | Height<br>8                        | Width<br>8                           | Pipe Joint...<br>4             |                       |
| 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<br>Pre-Rehabilitation Survey |                                |                       |
| QSR<br>N/A                            | QMR<br>N/A                         |                         |                                    |                                      |                                |                       |
| OPR<br>N/A                            | Surveyed By<br>Barry_Rogers        | Direction<br>Downstream | Date<br>20150609                   |                                      | Media label                    |                       |
| OPRI<br>N/A                           | Certificate Number<br>U-1012-16405 | Pre-Cleaning<br>Jetting | Time<br>11:07                      |                                      | Weather<br>Dry                 |                       |
| Date Cleaned<br>20150609              |                                    | End Time<br>11:21       |                                    | Additional Info                      |                                |                       |

Page #: 4