



## Defect Listing

|  |                                 |                               |   |                                       |                              |
|--|---------------------------------|-------------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere...<br><b>E5-2 E5-1</b> | City<br><b>Oliver Springs</b>   | Street<br><b>Ridgeview dr</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>E5-2</b>                 | Total Length<br><b>120.7</b>    | Year Laid                     | Shape<br><b>Circular</b>                  | Location Details<br><b>Street</b>     |                              |
| DS Manhole<br><b>E5-1</b>                  | Length surveyed<br><b>120.7</b> | Year Renewed                  | Height<br><b>8</b>                        | Width<br><b>8</b>                     | Pipe Joint...<br><b>4</b>    |

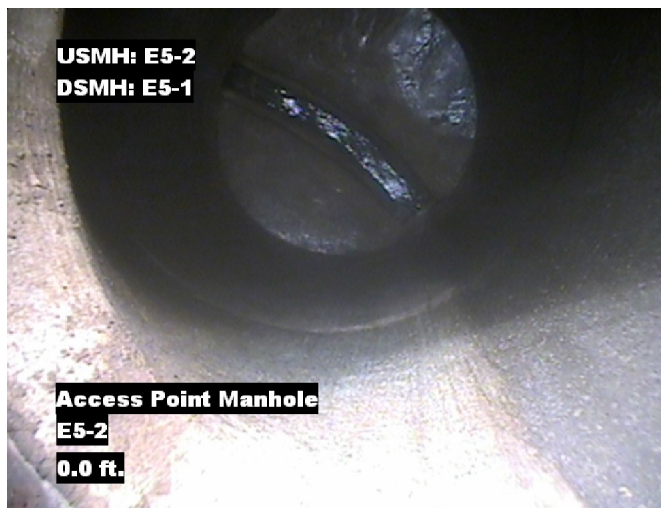
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|--------------------|---|--------------------------------|---|
| SPR<br><b>N/A</b>  | MPR<br><b>4</b>                           | PO Number<br><b>4397-03</b>    | Customer<br><b>GRW</b>                      |
| SPRI<br><b>N/A</b> | MPRI<br><b>2</b>                          | 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>Barry Rogers</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150612</b>                     |
| OPRI<br><b>2</b>   | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>10:23</b>                        |
|                    | Date Cleaned<br><b>20150612</b>           | End Time<br><b>10:31</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: E5-2 |                      |             |        |     |    |                          |                |    |       |
| 0.0 ft.       | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 12.1 ft.      | Water Level Sag      |             |        |     | 20 | <input type="checkbox"/> |                |    | 2     |
| 78.8 ft.      | Water Level Sag      |             |        |     | 15 | <input type="checkbox"/> |                |    | 2     |
| 118.4 ft.     | Water Level          |             |        |     | 5  | <input type="checkbox"/> |                |    |       |
| 120.7 ft.     | Access Point Manhole |             |        |     | 0  | <input type="checkbox"/> |                |    |       |
| Remarks: E5-1 |                      |             |        |     |    |                          |                |    |       |

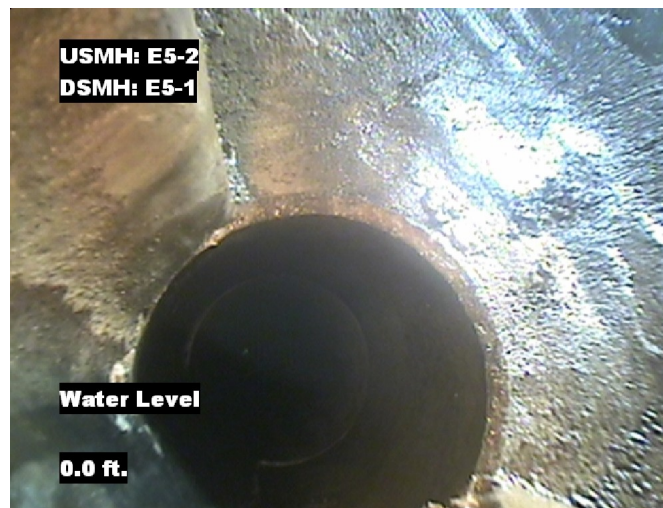


## Image Report 4/Page

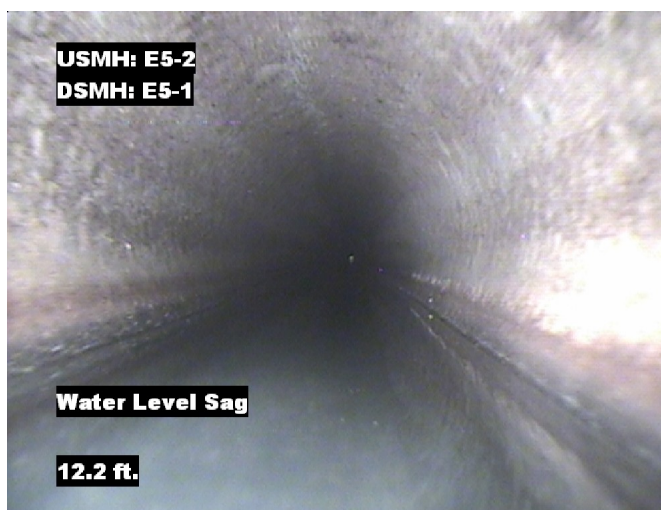
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| Pipe Segment Refere...<br><b>E5-2 E5-1</b> | <b>City</b><br><b>Oliver Springs</b>   | <b>Street</b><br><b>Ridgeview dr</b> | <b>Material</b><br><b>Concrete Pipe (non-...</b> |                   | <b>Location C...</b><br><b>Light High...</b> | <b>Sewer Use</b><br><b>Sanitary</b> |
| <b>Upstream MH</b><br><b>E5-2</b>          | Total Length<br><b>120.7</b>           | Year Laid                            | <b>Shape</b><br><b>Circular</b>                  |                   | Location Details<br><b>Street</b>            |                                     |
| <b>DS Manhole</b><br><b>E5-1</b>           | <b>Length surveyed</b><br><b>120.7</b> | Year Renewed                         | <b>Height</b><br><b>8</b>                        | Width<br><b>8</b> | Pipe Joint...                                | <b>4</b>                            |



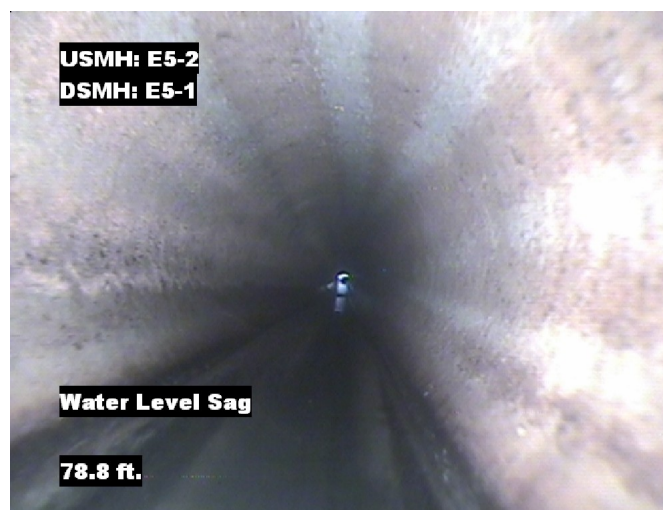
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: E5-2



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



Distance: 12.1 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A

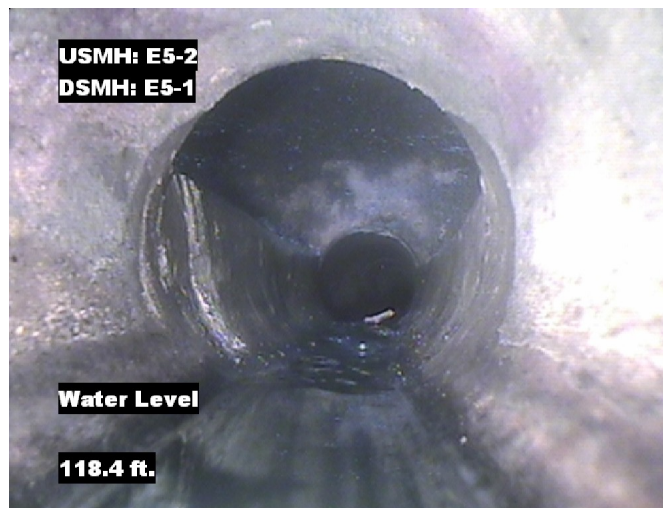


Distance: 78.8 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A

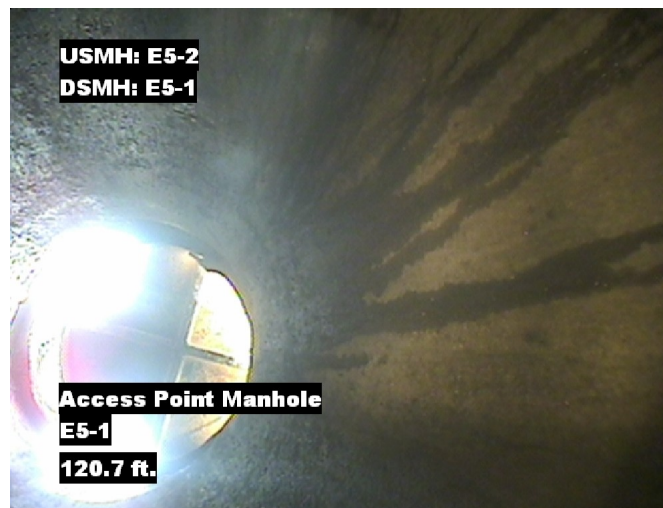


## Image Report 4/Page

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|------------------------|-----------------|--------------|------------------------|------------------|---------------|
| Pipe Segment Refere... | City            | Street       | Material               | Location C...    | Sewer Use     |
| E5-2_E5-1              | Oliver Springs  | Ridgeview dr | Concrete Pipe (non-... | Light High...    | Sanitary      |
| Upstream MH            | Total Length    | Year Laid    | Shape                  | Location Details |               |
| E5-2                   | 120.7           |              | Circular               | Street           |               |
| DS Manhole             | Length surveyed | Year Renewed | Height                 | Width            | Pipe Joint... |
| E5-1                   | 120.7           |              | 8                      | 8                | 4             |



Distance: 118.4 ft.      Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 120.7 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: E5-1



## PACP Conditions

|  |   |                                |   |   |                              |
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| Pipe Segment Refere...<br><b>E5-2 E5-1</b> | City<br><b>Oliver Springs</b>             | Street<br><b>Ridgeview dr</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>E5-2</b>                 | Total Length<br><b>120.7</b>              | Year Laid                      | Shape<br><b>Circular</b>                  | Location Details<br><b>Street</b>           |                              |
| DS Manhole<br><b>E5-1</b>                  | Length surveyed<br><b>120.7</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>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>Barry Rogers</b>        | Direction<br><b>Downstream</b> | Date<br><b>20150612</b>                   | Media label                                 |                              |
| OPRI<br><b>2</b>                           | Certificate Number<br><b>U-1012-16405</b> | Pre-Cleaning<br><b>Jetting</b> | Time<br><b>10:23</b>                      | Weather<br><b>Dry</b>                       |                              |
| Date Cleaned<br><b>20150612</b>            |   |                                | End Time<br><b>10:31</b>                  | Additional Info                             |                              |

|                    |    |        | Structural Ratings |            |        | O & M Ratings |            |        | Combined Ratings |            |        |
|--------------------|----|--------|--------------------|------------|--------|---------------|------------|--------|------------------|------------|--------|
|                    |    |        | Grade Rating       | No. Occur. | Rating | Grade Rating  | No. Occur. | Rating | Grade Rating     | No. Occur. | Rating |
| Normal Defects     |    |        |                    |            |        |               |            |        |                  |            |        |
| Continuous Defects |    |        | 1                  | 0          | 0      | 1             | 0          | 0      | 1                | 0          | 0      |
|                    |    |        | 2                  | 0          | 0      | 2             | 2          | 4      | 2                | 2          | 4      |
|                    |    |        | 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 |                    |            |        |               |            |        |                  |            |        |
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