



Defect Listing

| | | | | | |
|---|---------------------------------|------------------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere... E18-2_E-12 | City Oliver Springs | Street 729 Sleepy Hollow | Material Concrete Pipe (non-... | Location C... Light High... | Sewer Use Sanitary |
| Upstream MH E18-2 | Total Length 334.7 | Year Laid | Shape Circular | Location Details Road | |
| DS Manhole E-12 | Length surveyed 334.7 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 |

| | | | |
|--------------------|---|--------------------------------|---|
| SPR N/A | MPR 3 | PO Number 4397-03 | Customer GRW |
| SPRI N/A | MPRI 1.5 | Work Order 4397-02 | Purpose Pre-Rehabilitation Survey |
| QSR N/A | QMR 2111 | | |
| OPR 3 | Surveyed By Barry Rogers | Direction Downstream | Date 20150608 |
| OPRI 1.5 | Certificate Number U-1012-16405 | Pre-Cleaning Jetting | Time 11:08 |
| | Date Cleaned 20150608 | End Time 11:32 | Weather Dry |
| | | | 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: E18-2 | | | | | | | | | |
| 0.0 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 32.9 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 2 | | |
| 36.0 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 11 | | |
| 105.1 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 2 | | |
| 121.9 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 10 | | |
| 155.2 ft. | Water Level Sag | | | | 15 | <input type="checkbox"/> | | | 2 |
| 155.2 ft. | Roots Fine Joint | | | | 0 | <input checked="" type="checkbox"/> | 10 | | 1 |
| 155.2 ft. | Infiltration Stain | | | | 0 | <input checked="" type="checkbox"/> | 9 | 11 | |
| 155.2 ft. | Infiltration Stain | | | | 0 | <input checked="" type="checkbox"/> | 2 | 5 | |
| 163.3 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 191.6 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 2 | | |
| 199.9 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 10 | | |
| 269.8 ft. | Tap Break-In | | 6 | | 0 | <input type="checkbox"/> | 2 | | |
| 298.6 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 10 | | |
| 332.5 ft. | Water Level | | | | 10 | <input type="checkbox"/> | | | |
| 334.7 ft. | Access Point Manhole | | | | 0 | <input type="checkbox"/> | | | |
| Remarks: E-12 | | | | | | | | | |



Image Report 4/Page

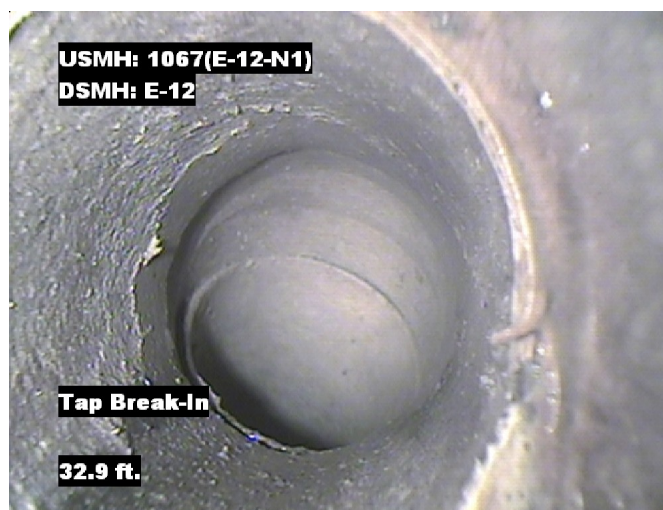
| | | | | | | |
|---|--|---|--|-------------------|--|-------------------------------------|
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| Upstream MH E18-2 | Total Length 334.7 | Year Laid | Shape Circular | | Location Details Road | |
| DS Manhole E-12 | Length surveyed 334.7 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 | |



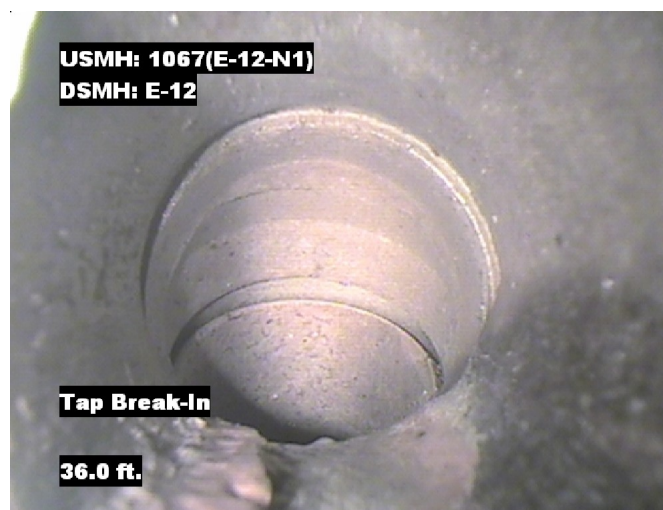
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E18-2



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



Distance: 32.9 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A

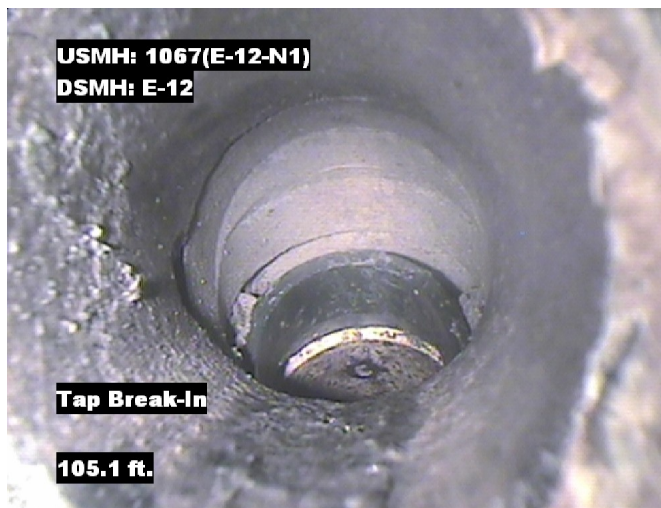


Distance: 36.0 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A

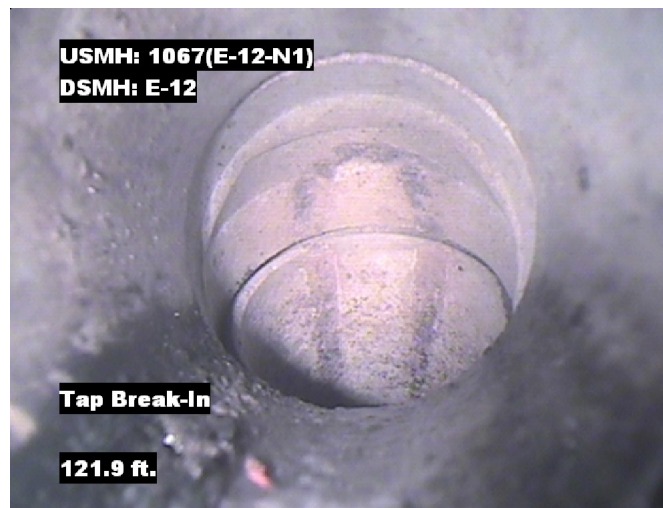


Image Report 4/Page

| Pipe Segment Refere... | City | Street | Material | Location C... | Sewer Use |
|------------------------|--------------------------|-------------------|------------------------|--------------------------|--------------------|
| E18-2_E-12 | Oliver Springs | 729 Sleepy Hollow | Concrete Pipe (non-... | Light High... | Sanitary |
| Upstream MH E18-2 | Total Length 334.7 | Year Laid | Shape Circular | Location Details Road | |
| DS Manhole E-12 | Length surveyed 334.7 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 |



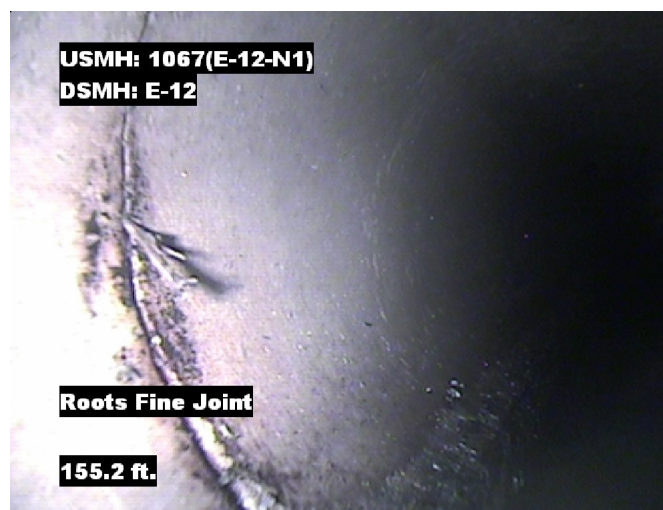
Distance: 105.1 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 121.9 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 155.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

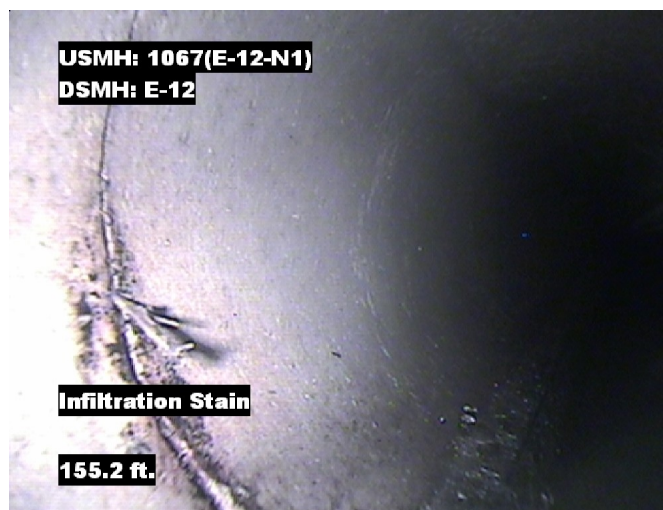


Distance: 155.2 ft. Grade: 1
Condition: Roots Fine Joint
Remarks: N/A

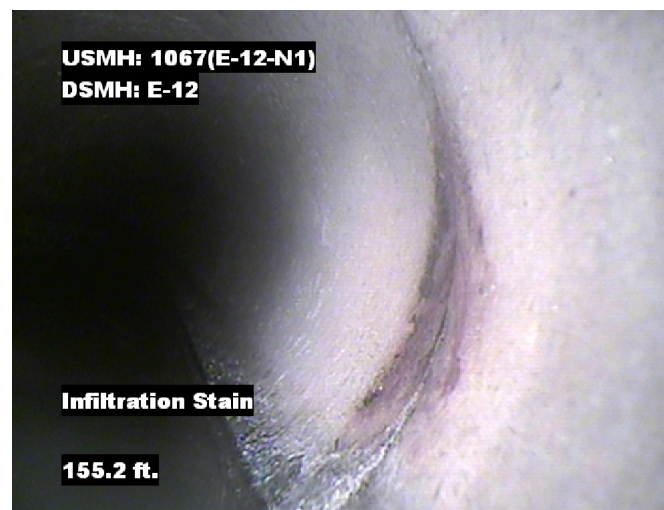


Image Report 4/Page

| | | | | | | |
|---|--|---|--|-------------------|--|-------------------------------------|
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Distance: 155.2 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 155.2 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 163.3 ft. Grade: 0
Condition: Water Level
Remarks: N/A

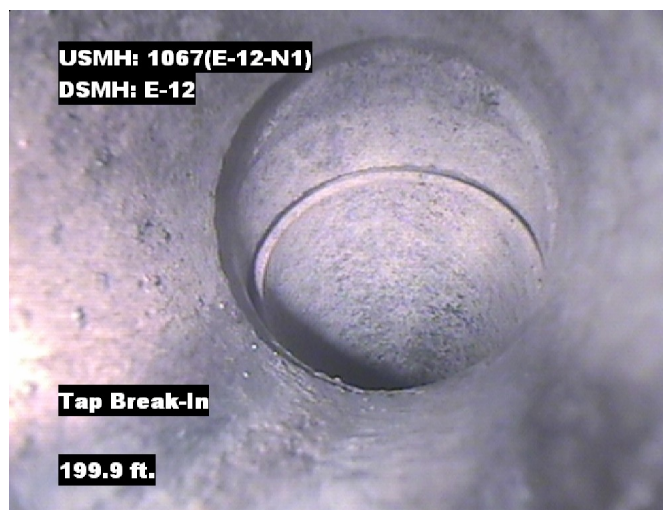


Distance: 191.6 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A

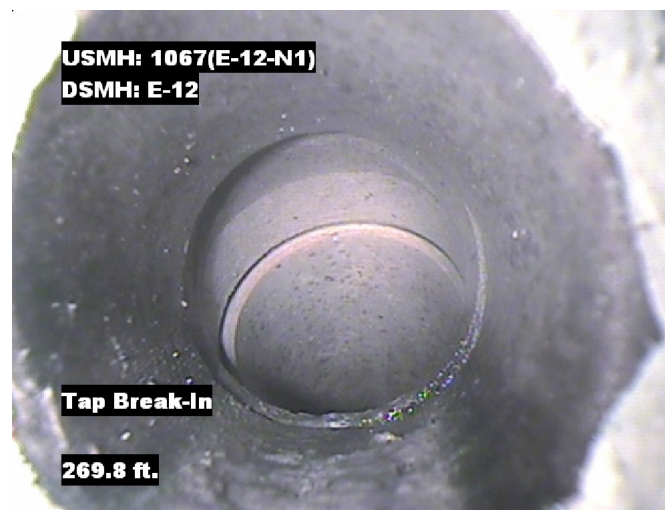


Image Report 4/Page

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|------------------------|-----------------|-------------------|------------------------|------------------|---------------|
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| Upstream MH | Total Length | Year Laid | Shape | Location Details | |
| E18-2 | 334.7 | | Circular | Road | |
| DS Manhole | Length surveyed | Year Renewed | Height | Width | Pipe Joint... |
| E-12 | 334.7 | | 8 | 8 | 4 |



Distance: 199.9 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 269.8 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 298.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 332.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A



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Condition: Access Point Manhole
Remarks: E-12



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| QSR N/A | QMR 2111 | | | | | |
| OPR 3 | Surveyed By Barry_Rogers | Direction Downstream | Date 20150608 | | Media label | |
| OPRI 1.5 | Certificate Number U-1012-16405 | Pre-Cleaning Jetting | Time 11:08 | | Weather Dry | |
| Date Cleaned 20150608 | | | End Time 11:32 | | 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 Code ID Length | | | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 2 | 0 | 0 | 2 | 1 | 2 | 2 | 1 | 2 |
| | | | 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 |
| | | | | | | | | | | | |
| | | | Subtotals | 0 | | Subtotals | 2 | | Subtotals | 2 | |
| SUMMARY | | | Pipe Rating | 0 | | Pipe Rating | 3 | | Overall Pipe Rating | 3 | |
| | | | Structural Index | 0 | | O&M Index | 1.5 | | Overall Index | 1.5 | |
| | | | Str. Quick Rating | 0000 | | O&M Quick Rating | 2111 | | Ovrl. Quick Rating | 2111 | |