



Defect Listing

| | | | | | |
|--|---------------------------------|----------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere... E4-2_E4-1 | City Oliver Springs | Street Midway Dr | Material Concrete Pipe (non-... | Location C... Light High... | Sewer Use Sanitary |
| Upstream MH E4-2 | Total Length 243.3 | Year Laid | Shape Circular | Location Details Street | |
| DS Manhole E4-1 | Length surveyed 243.3 | Year Renewed | Height 8 | Width 8 | Pipe Joint... 4 |

| | | | |
|--------------------|---|--------------------------------|---|
| SPR N/A | MPR 9 | PO Number 4397-03 | Customer GRW |
| SPRI N/A | MPRI 3 | Work Order 4397-02 | Purpose Pre-Rehabilitation Survey |
| QSR N/A | QMR 4131 | | |
| OPR 9 | Surveyed By Barry Rogers | Direction Downstream | Date 20150619 |
| OPRI 3 | Certificate Number U-1012-16405 | Pre-Cleaning Jetting | Time 10:05 |
| | Date Cleaned 20150619 | End Time 10:17 | Weather Damp |
| | | | Media label |
| | | | 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: E4-2 | | | | | | | | | |
| 0.0 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 21.8 ft. | Water Level Sag | | | | 15 | <input type="checkbox"/> | | | 2 |
| 101.2 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 143.2 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 225.6 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 233.7 ft. | Water Level Sag | | | | 50 | <input type="checkbox"/> | | | 3 |
| 238.3 ft. | Camera Underwater | | | | 0 | <input type="checkbox"/> | | | 4 |
| 243.3 ft. | Water Level | | | | 15 | <input type="checkbox"/> | | | |
| 243.3 ft. | Access Point Manhole | | | | 0 | <input type="checkbox"/> | | | |
| Remarks: E4-1 | | | | | | | | | |

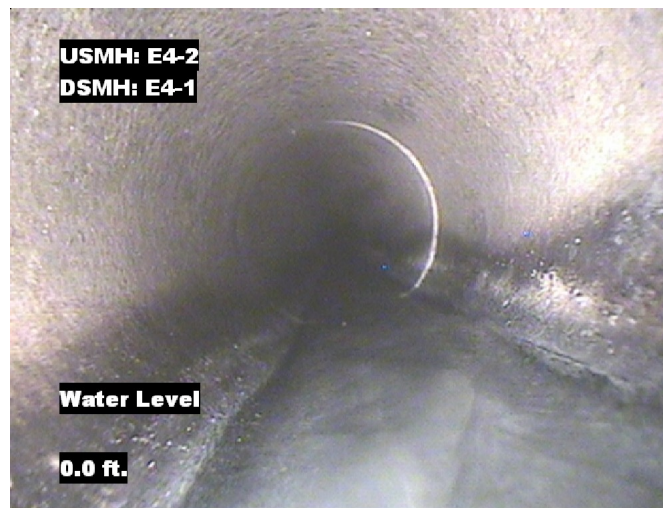


Image Report 4/Page

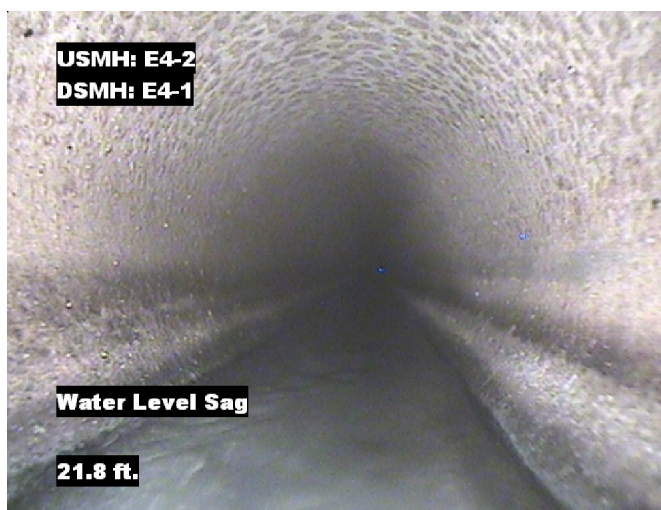
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Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E4-2



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



Distance: 21.8 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

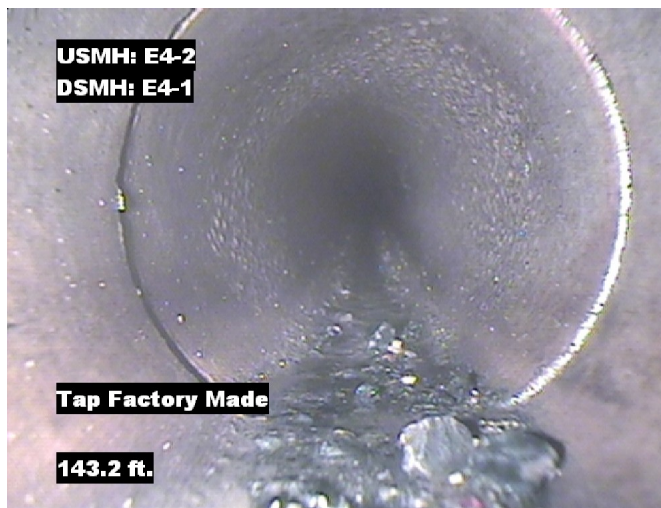


Distance: 101.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

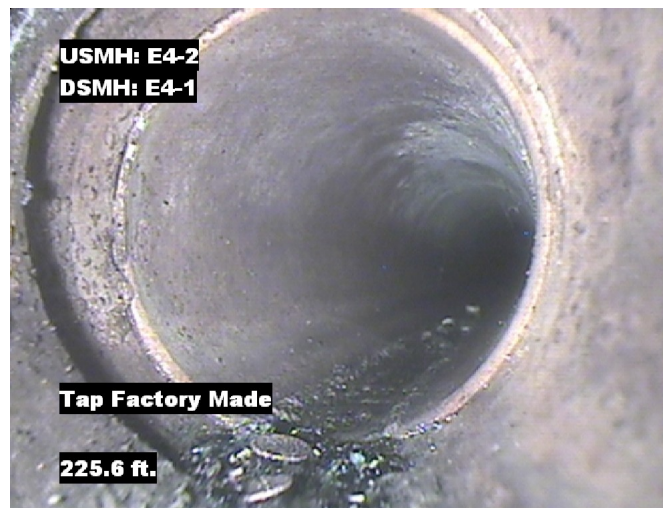


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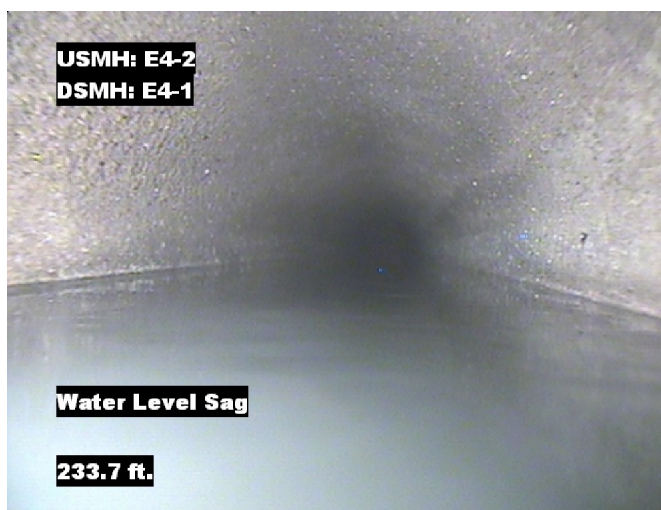
| Pipe Segment Refere... | City | Street | Material | Location C... | Sewer Use |
|------------------------|-----------------|--------------|------------------------|------------------|---------------|
| E4-2 E4-1 | Oliver Springs | Midway Dr | Concrete Pipe (non-... | Light High... | Sanitary |
| Upstream MH | Total Length | Year Laid | Shape | Location Details | |
| E4-2 | 243.3 | | Circular | Street | |
| DS Manhole | Length surveyed | Year Renewed | Height | Width | Pipe Joint... |
| E4-1 | 243.3 | | 8 | 8 | 4 |



Distance: 143.2 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 225.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 233.7 ft. Grade: 3
Condition: Water Level Sag
Remarks: N/A

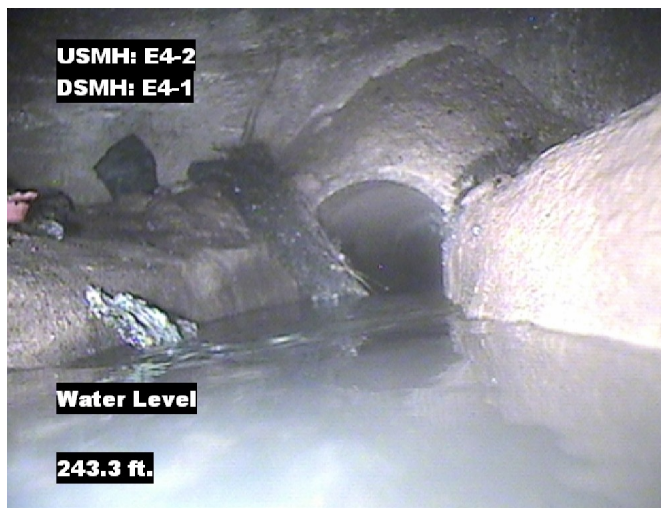


Distance: 238.3 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A

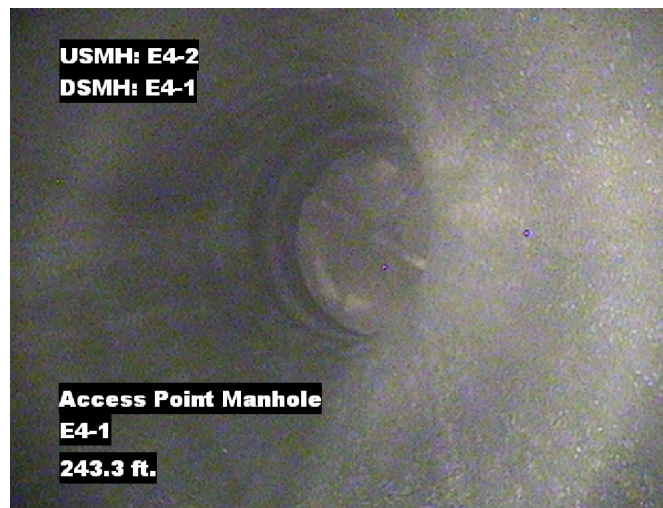


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Distance: 243.3 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 243.3 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E4-1



| | | | | | | |
|-------------------------------------|------------------------------------|-------------------------|------------------------------------|---------------------------|--------------------------------|-----------------------|
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| Date Cleaned 20150619 | | | End Time 10:17 | | Additional Info | |

[illegible]