



Defect Listing

| | | | | | |
|---|---------------------------------|----------------------------|---|---------------------------------------|------------------------------|
| Pipe Segment Refere... D21-4_D21-4A | City Oliver Springs | Street Duncan DR | Material Concrete Pipe (non-... | Location C... Light High... | Sewer Use Sanitary |
| Upstream MH D21-4 | Total Length 214.6 | Year Laid | Shape Circular | Location Details | |
| DS Manhole D21-4A | Length surveyed 214.6 | Year Renewed | Height 6 | Width 6 | Pipe Joint... 4 |

| | | | |
|--------------------|---|--------------------------------|---|
| SPR N/A | MPR N/A | PO Number 4397-03 | Customer GRW |
| SPRI N/A | MPRI N/A | Work Order 4397-02 | Purpose Pre-Rehabilitation Survey |
| QSR N/A | QMR N/A | | |
| OPR N/A | Surveyed By Barry Rogers | Direction Downstream | Date 20150625 |
| OPRI N/A | Certificate Number U-1012-16405 | Pre-Cleaning Jetting | Time 07:56 |
| | Date Cleaned 20150625 | End Time 08:25 | 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: D21-4 | | | | | | | | | |
| 0.0 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 45.3 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 3 | | |
| 48.5 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 101.9 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 3 | | |
| 115.6 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 200.6 ft. | Tap Factory Made | | 6 | | 0 | <input type="checkbox"/> | 9 | | |
| 209.5 ft. | Water Level | | | | 5 | <input type="checkbox"/> | | | |
| 214.6 ft. | Access Point Manhole | | | | 0 | <input type="checkbox"/> | | | |
| Remarks: D21-4A | | | | | | | | | |

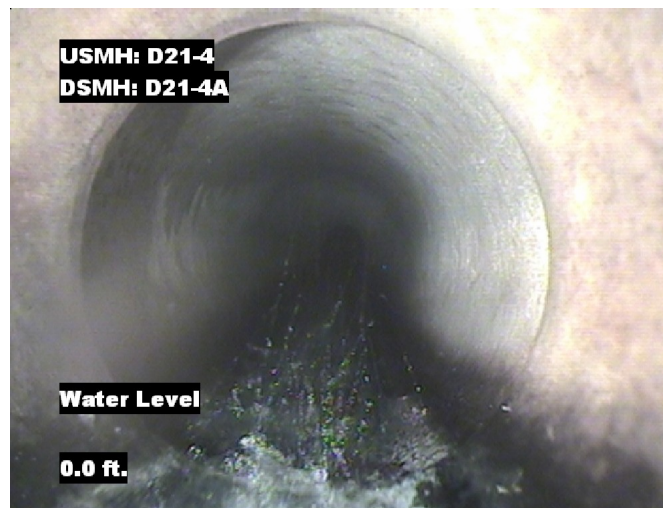


Image Report 4/Page

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|------------------------|--------------------------|--------------|------------------------|------------------|--------------------|
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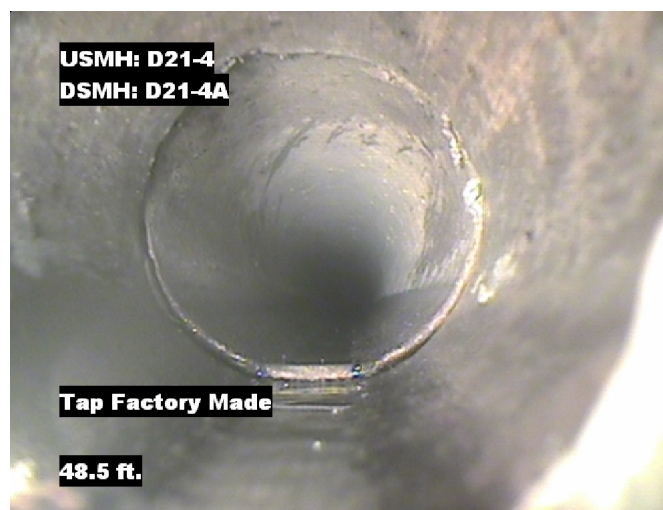
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: D21-4



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



Distance: 45.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

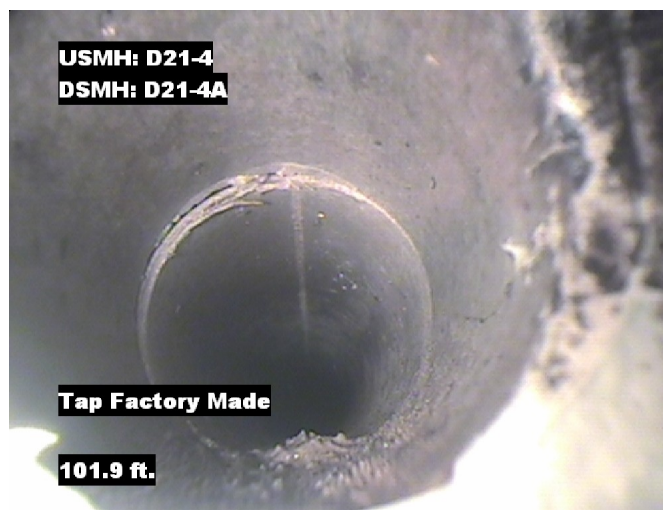


Distance: 48.5 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

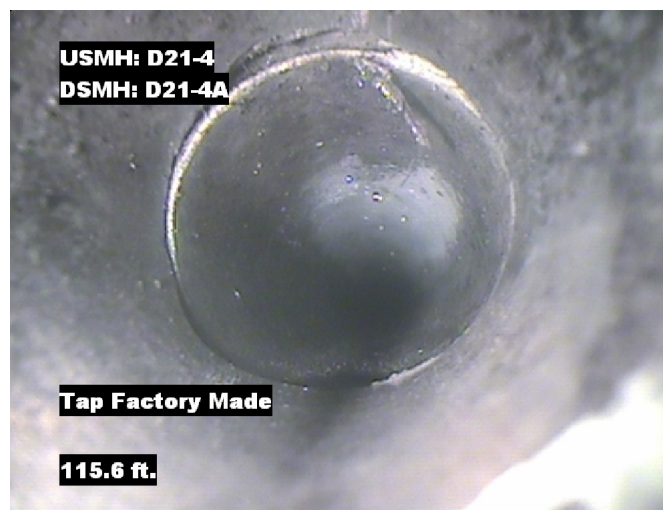


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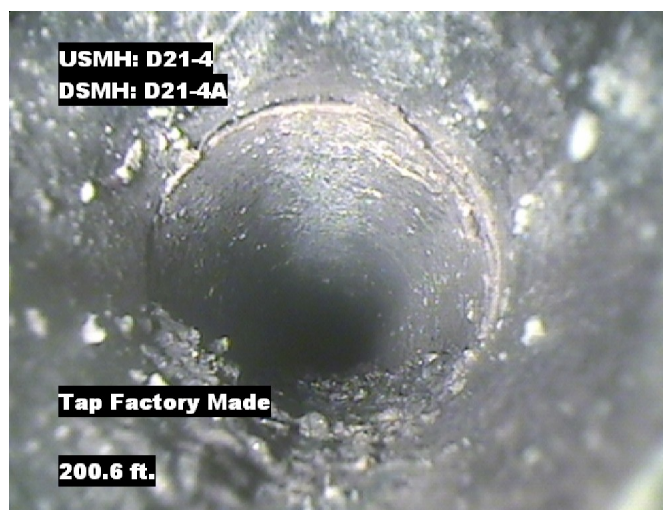
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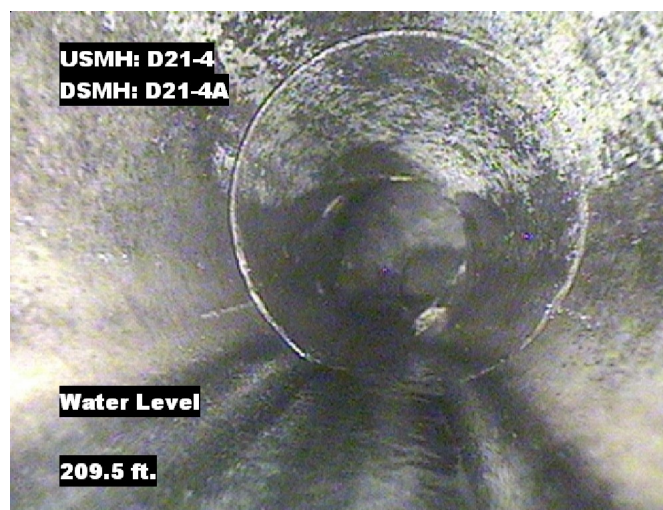
Distance: 101.9 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 115.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 200.6 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 209.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Image Report 4/Page

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| Upstream MH | Total Length | Year Laid | Shape | Location Details | |
| D21-4 | 214.6 | | Circular | | |
| DS Manhole | Length surveyed | Year Renewed | Height | Width | Pipe Joint... |
| D21-4A | 214.6 | | 6 | 6 | 4 |
| SPR | N/A | MPR | N/A | Customer | |
| SPRI | N/A | MPRI | N/A | GRW | |
| QSR | N/A | QMR | N/A | Purpose | |
| OPR | Surveyed By | Direction | Date | Media label | |
| N/A | Barry_Rogers | Downstream | 20150625 | | |
| OPRI | Certificate Number | Pre-Cleaning | Time | Weather | |
| N/A | U-1012-16405 | Jetting | 07:56 | Dry | |
| Date Cleaned | | | End Time | Additional Info | |
| 20150625 | | | 08:25 | | |

| | | | Structural Ratings | | | O & M Ratings | | | Combined Ratings | | |
|---|--|--|--------------------|------------|--------|------------------|------------|--------|---------------------|------------|--------|
| | | | Grade Rating | No. Occur. | Rating | Grade Rating | No. Occur. | Rating | Grade Rating | No. Occur. | Rating |
| Normal Defects | | | | | | | | | | | |
| <div>Continuous Defects</div> <div>CodeIDLength</div> | | | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| | | | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| | | | 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 | 0 | | Subtotals | 0 | |
| SUMMARY | | | Pipe Rating | 0 | | Pipe Rating | 0 | | Overall Pipe Rating | 0 | |
| | | | Structural Index | 0 | | O&M Index | 0 | | Overall Index | 0 | |
| | | | Str. Quick Rating | 0000 | | O&M Quick Rating | 0000 | | Ovrl. Quick Rating | 0000 | |