

| | | | | | | |
|--------------------------|--------------------------------|--------------------------|-----------------------|-----------------|--------|----------|
| Sheet 355 | Surveyor's Name | Brian Kauppenin | Certificate Number | U-218-070300218 | Date | 20250126 |
| System Owner | | | Survey Customer | | Time | 14:08 |
| Drainage Area | | | Locality/City Name | Tulsa | | |
| P.O. No | | | Location (No. & Name) | 11421 E 20th St | | |
| Further Location Details | | | Inspection Level | Level 2 | | |
| Outgoing Rim to Invert | 4.4 ft | Outgoing Grade to Invert | 4.4 ft | Rim to Grade | 0.0 ft | |
| Use of Sewer | Sanitary | Year Laid | Year Rehabilitated | Media Label | | |
| Purpose | Sewer System Evaluation Survey | | Sewer Category | | | |
| Pre-Cleaning | No Pre-Cleaning | Date Cleaned | Weather | | | |
| Location Code | Alley | Potential for Runoff | Evidence of Surcharge | Yes | | |
| Access Point Type | Manhole | Coordinate System | | | | |
| Northing | | Elevation | Accuracy of GPS | | | |
| Eastings | | | | | | |
| Inspection Status | Remote Inspection | | | | | |
| Additional Information | | | | | | |
| Node Surface Types | | | | | | |

| | | | | | | | | | | | |
|-------------------|--------------------------|-----------------|--------------------------|---------|-------------------------------------|--------------|--------------------------|--------|--------------------------|-------|--------------------------|
| Concrete Pavement | <input type="checkbox"/> | Concrete Collar | <input type="checkbox"/> | Asphalt | <input checked="" type="checkbox"/> | Grass / Dirt | <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Other | <input type="checkbox"/> |
|-------------------|--------------------------|-----------------|--------------------------|---------|-------------------------------------|--------------|--------------------------|--------|--------------------------|-------|--------------------------|

Cover

| | | | |
|---|--------------------------------------|--|--|
| Cover Shape | Circular | Cover Bearing Surface Diameter Width | |
| Cover Size | 23.3 in | Cover Bearing Surface Diameter | 23.0 in |
| Cover Size Width | | # Vent Holes | |
| Cover Material | Cast Iron | Vent Hole Diameter | |
| Cover Frame Fit | Good | | |
| Cover Type | | Cover Condition | |
| <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Bolted | <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Vented/Slots | <input type="checkbox"/> Locking | <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted |
| <input type="checkbox"/> Gasketed | <input type="checkbox"/> Lamphole | <input type="checkbox"/> Broken | <input type="checkbox"/> Bolts Missing |
| <input type="checkbox"/> Hatch Single | <input type="checkbox"/> Inner Cover | <input type="checkbox"/> Restraint Missing | |
| <input type="checkbox"/> Hatch Double | | <input type="checkbox"/> Restraint Defective | |

Cover Insert

| | |
|-------------------|------|
| Cover Insert Type | None |
|-------------------|------|

Cover Insert Condition

| | |
|---|--------------------------------------|
| <input type="checkbox"/> Solid | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Poorly Fitting | <input type="checkbox"/> Corroded |
| <input type="checkbox"/> Cracked/Torn/Holes | <input type="checkbox"/> Insert Fell |

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Survey Date 20250126

P.O. No

Location (No. & Name) 11421 E 20th St

Inspection Level Level 2

Locality/City Name Tulsa

Inspection Status Remote Inspection

Adj. Ring

Adjustment Ring Type None

Adjustment Ring Material

Adjustment Ring Height

Adjustment Ring Condition

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Poor Installation |

Frame

Frame Material Cast Iron

Frame Offset Distance 0.0 in

Frame Bearing Surface Width 0.8 in

Frame Depth

Frame Bearing Surface Depth 1.0 in

Frame Seal Inflow None

Frame Clear Opening Diameter 21.8 in

Frame Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Offset |

Chimney

Chimney Material 1 Concrete (non-reinforced)

Interior Chimney Coating/Liner Cementitious

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 1.1 in

Cone

Cone Type Flattop

Cone Depth 1.6 in

Exterior Cone Coating/Liner

Cone Material Concrete (reinforced)

Interior Cone Coating/Liner

Wall

Wall Diameter 1 48

Wall Depth 4.1 in

Wall Diameter 2

Interior Wall Coating/Liner None - No Coating

Wall Material Concrete (non-reinforced)

Exterior Wall Coating/Liner

Bench

Bench Present Y

Bench Material Concrete (non-reinforced)

Bench Coating/Liner Bench Liner

Channel/Step**Channel**

| | |
|-------------------|---------------------------|
| Channel Material | Concrete (non-reinforced) |
| Channel Type | Concrete (non-reinforced) |
| Channel Exposure | F |
| Channel Installed | Y |

Step

| | |
|---------------|-------|
| # Steps | 1 |
| Step Material | Metal |

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Pipe Connections

| Num | Clk Rim to | | Direc | Material | Shape | Diam | Width | Pipe Cond | Seal Cond | Special | |
|-----|------------|--------|----------|----------|---|------|-------|-----------|-----------|-----------|---------------|
| | Pos | Invert | | | | | | | | Condition | PSR |
| 1 | 6 | 4.4 | O | VCP | C | 8 | | S | S | GR | Auto Pipe 43C |
| | Mainline | | Comments | | Pipe appears to be slip lined, rehabbed with PE or plastic pipe, diameter of inner pipe appears smaller than original 8 inch, inner measurement at 6/7 inches | | | | | | |

Observations

| Distance | Comp | Code | CD | Jnt | Stp | % | In1 | In2 | Fr | To | Video Reference |
|----------|---------|------|----|-----|-----|---|-----|-----|----|----|-----------------|
| 1.7 ft | WI | IS | | Y | | | | | 12 | 8 | 360-0.0 |
| | Remarks | | | | | | | | | | |
| 2.5 ft | WI | VC | | | | | | | | | 360-0.0 |
| | Remarks | | | | | | | | | | |