

Sheet 450      **Surveyor's Name** Brian Kauppenin      **Certificate Number** U-218-070300218      **Date** 20250205  
**System Owner**      **Survey Customer**      **Time** 11:48  
**Drainage Area**      **Locality/City Name** Tulsa  
**P.O. No**      **Location (No. & Name)** 2530 S 121st E Ave  
**Further Location Details**      **Inspection Level** Level 2  
**Outgoing Rim to Invert** 7.9 ft      **Outgoing Grade to Invert** 7.9 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** Yard      **Potential for Runoff**      **Evidence of Surcharge** Yes  
**Access Point Type** Manhole      **Coordinate System**  
**Northing**      **Easting**      **Elevation**      **Accuracy of GPS**  
**Inspection Status** Remote Inspection  
**Additional Information**  
**Node Surface Types**

**Concrete Pavement** ☐      **Concrete Collar** ☐      **Asphalt** ☐      **Grass / Dirt** ☒      **Gravel** ☐      **Other** ☐

**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**  
☒ **Solid**      ☐ **Bolted**  
☐ **Vented/Slots**      ☐ **Locking**  
☐ **Gasketed**      ☐ **Lamphole**  
☐ **Hatch Single**      ☐ **Inner Cover**  
☐ **Hatch Double**  
**Cover Condition**  
☒ **Solid**      ☐ **Missing**  
☐ **Cracked**      ☐ **Corroded/Pitted**  
☐ **Broken**      ☐ **Bolts Missing**  
☐ **Restraint Missing**  
☐ **Restraint Defective**

**Cover Insert**

**Cover Insert Type** None      **Cover Insert Condition**  
☐ **Solid**      ☐ **Leaking**  
☐ **Poorly Fitting**      ☐ **Corroded**  
☐ **Cracked/Torn/Holes**      ☐ **Insert Fell**

Sheet 450

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**Adj. Ring**

Adjustment Ring Type None

Adjustment Ring Material

Adjustment Ring Height

**Adjustment Ring Condition**☐ Sound☐ Cracked☐ Broken☐ Corroded/Pitted/Worn☐ Leaking☐ Poor Installation**Frame**

Frame Material Cast Iron

Frame Bearing Surface Width 0.8 in

Frame Bearing Surface Depth 1.0 in

Frame Clear Opening Diameter 21.8 in

**Frame Condition**☒ Sound☐ Cracked☐ Broken☐ Missing☐ Corroded/Pitted/Worn☐ Coated

Frame Offset Distance 0.0 in

**Frame Depth**

Frame Seal Inflow Infil Stained

**Frame Seal Condition**☐ Sound☒ Cracked☐ Broken☐ Loose/Not Attached☐ Offset**Chimney**

Chimney Material 1 Brick

Chimney Material 2

Chimney Clear Opening

Chimney Depth 1.1 in

Interior Chimney Coating/Liner Cementitious

Exterior Chimney Coating/Liner

Chimney I/I

**Cone**

Cone Type Conical centered

Exterior Cone Coating/Liner

Interior Cone Coating/Liner

Cone Depth 3.3 in

Cone Material Concrete (non-reinforced)

**Wall**

Wall Diameter 1 48

Wall Diameter 2

Wall Material Concrete (non-reinforced)

Wall Depth 6.4 in

Interior Wall Coating/Liner Cementitious

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 3

Step Material Plastic

Sheet 450

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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          | 7.9    | O        | VCP      | C   | 8    |       | S         | S         | GR        | Auto Pipe 259C |
|     | 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 |      |       |           |           |           |                |
| 2   | 12         | 7.8    | I        | VCP      | C   | 8    |       | D         | S         | GR        | Auto Pipe 260C |
|     | Mainline   |        | Comments |          |   |      |       |           |           |           |                |

**Observations**

| Distance | Comp    | Code | CD | Jnt | Stp | % | In1 | In2 | Fr | To | Video Reference |
|----------|---------|------|----|-----|-----|---|-----|-----|----|----|-----------------|
| 6.5 ft   | B       | DSC  |    |     |     | 5 |     |     | 12 | 12 | 360-0.0         |
|          | Remarks |      |    |     |     |   |     |     |    |    |                 |