

Sheet 168      **Surveyor's Name** Brian Kauppenin      **Certificate Number** U-218-070300218      **Date** 20241231  
**System Owner**      **Survey Customer**      **Time** 10:20  
**Drainage Area**      **Locality/City Name** Tulsa  
**P.O. No**      **Location (No. & Name)** 14007 E 21st St  
**Further Location Details**      **Inspection Level** Level 2  
**Outgoing Rim to Invert** 12.0 ft      **Outgoing Grade to Invert** 12.0 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** Parking Lot      **Potential for Runoff**      **Evidence of Surcharge** No  
**Access Point Type** Manhole      **Coordinate System**  
**Northing**      **Easting**      **Elevation**      **Accuracy of GPS**  
**Inspection Status** Remote Inspection  
**Additional Information** Channel is VCP  
**Node Surface Types**

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

**Cover**

**Cover Shape** Circular      **Cover Bearing Surface Diameter Width**  
**Cover Size** 23.5 in      **Cover Bearing Surface Diameter** 23.3 in  
**Civer 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**

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**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 2.0 in

Frame Seal Inflow None

Frame Clear Opening Diameter 22.3 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 (reinforced)

Interior Chimney Coating/Liner None - No Coating

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 0.9 in

**Cone**

Cone Type Conical centered

Cone Depth 2.3 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

**Wall**

Wall Diameter 1 50

Wall Depth 11.3 in

Wall Diameter 2

Interior Wall Coating/Liner Cementitious

Wall Material Brick

Exterior Wall Coating/Liner

**Bench**

Bench Present Y

Bench Material Concrete (non-reinforced)

Bench Coating/Liner Bench Liner

**Channel/Step****Channel**

Channel Material	Other
Channel Type	Other
Channel Exposure	F
Channel Installed	Y

**Step**

# Steps	7
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	12.0	O	VCP	C	8		S	S	GR	Auto Pipe 253B
	Mainline		Comments								
2	12	11.9	I	VCP	C	8		S	S	GR	Auto Pipe 254B
	Mainline		Comments								

**Observations**

Distance	Comp		Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.1 ft		COI	CC							6	10	360-0.0
	Remarks											
1.1 ft		COI	IS							8	10	360-0.0
	Remarks											
1.1 ft		COI	IW							7		360-0.0
	Remarks											
11.4 ft		B	DSF				5			12	12	360-0.0
	Remarks											