

Sheet 1097      Surveyor's Name Ian McInnis      Certificate Number P0039757-102022      Date 20250306  
System Owner      Survey Customer      Time 10:18  
Drainage Area      Locality/City Name Tulsa  
P.O. No      Location (No. & Name) 11665 E 21st St  
Further Location Details      Inspection Level Level 2  
Outgoing Rim to Invert 6.9 ft      Outgoing Grade to Invert 6.9 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 Easement/Right of Way      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  
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  
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 1.0 in

Frame Seal Inflow None

Frame Clear Opening Diameter 21.8 in

**Frame Condition**

- |                                  |  |
|----------------------------------|--|
| <input type="checkbox"/> Sound   | <input type="checkbox"/> Missing                         |
| <input type="checkbox"/> Cracked | <input checked="" 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 1.6 in

**Cone**

Cone Type Conical centered

Cone Depth 4.0 in

Exterior Cone Coating/Liner

Cone Material Concrete (non-reinforced)

Interior Cone Coating/Liner

**Wall**

Wall Diameter 1 49

Wall Depth 6.7 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**

<b>Channel Material</b>	Concrete (non-reinforced)
<b>Channel Type</b>	Concrete (non-reinforced)
<b>Channel Exposure</b>	F
<b>Channel Installed</b>	Y

**Step**

<b># Steps</b>	3
<b>Step Material</b>	Metal

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**Pipe Connections**

Num	Clk	Rim to Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Condition	PSR
1	6	6.9		O	VCP	C	8		D	S	GR	Auto Pipe 33E
	Mainline		Comments									
2	12	6.8		I	VCP	C	8		D	S	GR	Auto Pipe 34E
	Mainline		Comments									

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.2 ft	CMI	CC							12	12	360-0.0
	Remarks										
1.2 ft	CMI	CC							12	12	360-0.0
	Remarks										
1.2 ft	CMI	IS							8	9	360-0.0
	Remarks										
1.2 ft	CMI	RFB							5	8	360-0.0
	Remarks										
1.9 ft	COI	IS							1	11	360-0.0
	Remarks										
5.2 ft	WI	DAZ				5			10		360-0.0
	Remarks Appears to be mineral deposit										
5.2 ft	WI	LFZ							7	9	360-0.0
	Remarks Lining material appears to be cracked										
5.4 ft	WI	LFZ							6	7	360-0.0
	Remarks Lining material appears to be cracked										
6.7 ft	B	DSZ				5			12	12	360-0.0
	Remarks Appears to be external debris										