

Sheet 97	Surveyor's Name	Brian Kauppenin	Certificate Number	U-218-070300218	Date	20241220
System Owner			Survey Customer		Time	14:57
Drainage Area			Locality/City Name	Tulsa		
P.O. No			Location (No. & Name)	14009 E 21st St		
Further Location Details			Inspection Level	Level 2		
Outgoing Rim to Invert	9.2 ft	Outgoing Grade to Invert	9.2 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	Yes		
Access Point Type	Manhole	Coordinate System				
Northing		Elevation	Accuracy of GPS			
Inspection Status	Remote Inspection					
Additional Information						
Node Surface Types						

Concrete Pavement	<input checked="" type="checkbox"/>	Concrete Collar	<input checked="" type="checkbox"/>	Asphalt	<input type="checkbox"/>	Grass / Dirt	<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Other	<input type="checkbox"/>
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**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		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
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**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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Location (No. &amp; Name) 14009 E 21st 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 Infil Weeper

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

**Chimney**

Chimney Material 1 Other

Interior Chimney Coating/Liner None - No Coating

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 0.0 in

**Cone**

Cone Type Flattop

Cone Depth 1.7 in

Exterior Cone Coating/Liner

Cone Material Concrete (reinforced)

Interior Cone Coating/Liner

**Wall**

Wall Diameter 1 47

Wall Depth 8.7 in

Wall Diameter 2

Interior Wall Coating/Liner Cementitious

Wall Material Concrete (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 (reinforced)
Channel Type	Concrete (reinforced)
Channel Exposure	F
Channel Installed	Y

**Step**

# Steps	5
Step Material	Plastic

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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	9.2		O	VCP	C	8		S	S	GR	Auto Pipe 84B
	Mainline		Comments									
2	9	9.2		I	VCP	C	8		S	S	GR	Auto Pipe 85B
	Mainline		Comments									

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.0 ft	COI	CM							10	1	360-0.0
	Remarks										
5.1 ft	WI	MGO									360-0.0
	Remarks Cracks visible through cementitious coating										
7.1 ft	WI	CM							12	12	360-0.0
	Remarks										
7.2 ft	WI	IS							5	9	360-0.0
	Remarks										
8.5 ft	WI	CM							9	1	360-0.0
	Remarks Pipe seal 2										
8.5 ft	WI	IS							9	1	360-0.0
	Remarks Pipe seal 2										
8.6 ft	WI	CM							3	5	360-0.0
	Remarks										
8.6 ft	WI	IS							3	5	360-0.0
	Remarks										