

Sheet 1089	Surveyor's Name Ian McInnis	Certificate Number P0039757-102022	Date 20250305
System Owner		Survey Customer	Time 15:04
Drainage Area		Locality/City Name Tulsa	
P.O. No		Location (No. & Name) 1945 S 116th E Ave	
Further Location Details		Inspection Level Level 2	
Outgoing Rim to Invert 9.3 ft	Outgoing Grade to Invert 8.7 ft	Rim to Grade 0.6 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 Yes	
Access Point Type Manhole	Coordinate System		
Northing	Easting	Elevation	Accuracy of GPS
Inspection Status Remote Inspection			
Additional Information			
Node Surface Types			

Concrete Pavement <input type="checkbox"/>	Concrete Collar <input type="checkbox"/>	Asphalt <input type="checkbox"/>	Grass / Dirt <input checked="" 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
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 type="checkbox"/> Solid	<input type="checkbox"/> Missing
<input type="checkbox"/> Vented/Slots	<input type="checkbox"/> Locking	<input type="checkbox"/> Cracked	<input checked="" 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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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 1.5 in

Frame Bearing Surface Width 1.0 in

Frame Depth

Frame Bearing Surface Depth 1.5 in

Frame Seal Inflow Infil Stained

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 checked="" type="checkbox"/> Broken	<input type="checkbox"/> Coated

Frame Seal Condition

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

Chimney

Chimney Material 1 Brick

Interior Chimney Coating/Liner Cementitious

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 3.5 in

Cone

Cone Type Conical centered

Cone Depth 6.0 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

Wall

Wall Diameter 1 48

Wall Depth 8.7 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	Concrete (non-reinforced)
Channel Type	Concrete (non-reinforced)
Channel Exposure	F
Channel Installed	Y

Step

# Steps	4
Step Material	Plastic

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Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Condition	PSR
1	6	9.3	O	VCP	C	12		D	S	GR	Auto Pipe 9E
	Mainline		Comments								
2	9	9.2	I	VCP	C	12		S	S	GR	Auto Pipe 10E
	Mainline		Comments								
3	12	8.4	I	VCP	C	8		D	D	GR	Auto Pipe 11E
	Mainline		Comments								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.3 ft	CMI	IS							3	4	360-0.0
	Remarks										
2.0 ft	CMI	RFB							8		360-0.0
	Remarks										
2.2 ft	CMI	LFZ							12	12	360-0.0
	Remarks Appears to be exposed brick										
3.5 ft	CMI	IS							4		360-0.0
	Remarks										
3.5 ft	CMI	RFB							4		360-0.0
	Remarks										
4.2 ft	COI	DAR				5			7		360-0.0
	Remarks Surcharge evidence										
4.9 ft	COI	LFZ							2	7	360-0.0
	Remarks Appears to be exposed brick										
5.3 ft	COI	SZ							7	8	360-0.0
	Remarks Appears to be cast iron steps broken										
5.8 ft	COI	DAR				5			7		360-0.0
	Remarks Surcharge evidence										
6.9 ft	WI	RFB							11		360-0.0
	Remarks										
7.0 ft	WI	LFZ							1	7	360-0.0
	Remarks Appears to be exposed brick										
7.1 ft	WI	IS							12	1	360-0.0
	Remarks										
7.3 ft	WI	SZ							8		360-0.0
	Remarks Appears to be cast iron step broken										
7.4 ft	WI	IS							7		360-0.0
	Remarks										
7.4 ft	WI	IS							9		360-0.0
	Remarks										

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7.7 ft		WI	IS							3		360-0.0
	Remarks											
7.7 ft		WI	RFB							12		360-0.0
	Remarks		Pipe seal									
7.9 ft		WI	IS							4		360-0.0
	Remarks											
7.9 ft		B	MGO									360-0.0
	Remarks		Bench is uneven									
8.0 ft		WI	IS							12		360-0.0
	Remarks		Pipe seal									