

Sheet 449 **Surveyor's Name** Brian Kauppenin **Certificate Number** U-218-070300218 **Date** 20250205
System Owner **Survey Customer** **Time** 11:06
Drainage Area **Locality/City Name** Tulsa
P.O. No **Location (No. & Name)** 2508 S 121st E Ave
Further Location Details **Inspection Level** Level 2
Outgoing Rim to Invert 9.0 ft **Outgoing Grade to Invert** 8.6 ft **Rim to Grade** 0.4 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**

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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 Offset Distance 0.0 in

Frame Depth

Frame Seal Inflow None

Frame Condition☒ Sound☐ Cracked☐ Broken☐ Missing☐ Corroded/Pitted/Worn☐ Coated**Frame Seal Condition**☒ Sound☐ Cracked☐ Broken☐ Loose/Not Attached☐ Offset**Chimney**

Chimney Material 1 Brick

Chimney Material 2

Chimney Clear Opening

Chimney Depth 0.9 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 2.8 in

Cone Material Concrete (reinforced)

Wall

Wall Diameter 1 48

Wall Diameter 2

Wall Material Concrete (reinforced)

Wall Depth 8.6 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 (reinforced)

Channel Type Concrete (reinforced)

Channel Exposure F

Channel Installed Y

Step

Steps 5

Step Material Metal

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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	9.0	O	VCP	C	8		D	D	GR	Auto Pipe 256C
	Mainline		Comments								
2	12	9.0	I	DIP	C	8		S	S	GR	Auto Pipe 257C
	Mainline		Comments								
3	3	8.9	I	VCP	C	8		S	D	GR	Auto Pipe 258C
	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								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
0.8 ft	CMI	MMS							5		360-0.0
	Remarks										
0.8 ft	CMI	RFB							5		360-0.0
	Remarks										
7.9 ft	WI	DAE				5			1	3	360-0.0
	Remarks										
8.2 ft	WI	CC							12	12	360-0.0
	Remarks Includes pipe seal 1										
8.2 ft	WI	IS							12	12	360-0.0
	Remarks										
8.2 ft	WI	RFB							7	8	360-0.0
	Remarks										
8.5 ft	WI	CC							3	4	360-0.0
	Remarks Pipe seal 3										
8.5 ft	WI	RFC							3		360-0.0
	Remarks Pipe seal 3										
8.7 ft	B	DSC				5			7	9	360-0.0
	Remarks										