

Sheet 390      Surveyor's Name Brian Kauppenin      Certificate Number U-218-070300218      Date 20250128  
System Owner      Survey Customer      Time 12:54  
Drainage Area      Locality/City Name Tulsa  
P.O. No      Location (No. & Name) 2209 S 120th E Ave  
Further Location Details      Inspection Level Level 2  
Outgoing Rim to Invert 12.6 ft      Outgoing Grade to Invert 12.5 ft      Rim to Grade 0.1 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 No  
Access Point Type Manhole      Coordinate System  
Northing      Easting      Elevation      Accuracy of GPS  
Inspection Status Remote Inspection  
Additional Information No chimney  
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**☐ 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 Condition**☒ Sound☐ Cracked☐ Broken☐ Missing☐ Corroded/Pitted/Worn☐ Coated

Frame Offset Distance 0.0 in

**Frame Depth**

Frame Seal Inflow None

**Frame Seal Condition**☒ Sound☐ Cracked☐ Broken☐ Loose/Not Attached☐ Offset**Chimney**

Chimney Material 1 Other

Chimney Material 2

Chimney Clear Opening

Chimney Depth 0.0 in

Interior Chimney Coating/Liner None - No Coating

Exterior Chimney Coating/Liner

Chimney I/I

**Cone**

Cone Type Conical centered

Exterior Cone Coating/Liner

Interior Cone Coating/Liner

Cone Depth 3.7 in

Cone Material Brick

**Wall**

Wall Diameter 1 48

Wall Diameter 2

Wall Material Brick

Wall Depth 12.2 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 (non-reinforced)

Channel Type Concrete (non-reinforced)

Channel Exposure F

Channel Installed Y

**Step**

# Steps 8

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	12.6	O	VCP	C	8		S	S	GR	Auto Pipe 120C
	Mainline		<b>Comments</b>		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						
2	12	12.5	I	VCP	C	8		S	S	GR	Auto Pipe 121C
	Mainline		<b>Comments</b>		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						
3	3	12.5	I	VCP	C	8		D	S	GR	Auto Pipe 122C
	Mainline		<b>Comments</b>								

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
3.3 ft	COI	DAE				5			12	2	360-0.0
	<b>Remarks</b>										
12.0 ft	WI	CC							4	5	360-0.0
	<b>Remarks</b>										
12.0 ft	WI	IW							4	5	360-0.0
	<b>Remarks</b>										