

Sheet 1013 **Surveyor's Name** Brian Kauppenin **Certificate Number** U-218-070300218 **Date** 20250731
System Owner **Survey Customer** **Time** 12:12
Drainage Area **Locality/City Name** Tulsa
P.O. No **Location (No. & Name)** 12637 E 31st Pl
Further Location Details **Inspection Level** Level 2
Outgoing Rim to Invert 7.4 ft **Outgoing Grade to Invert** 7.3 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** Yes
Access Point Type Manhole **Coordinate System**
Northing **Easting** **Elevation** **Accuracy of GPS**
Inspection Status Remote Inspection
Additional Information frame has some corrosion
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 Solid

Adjustment Ring Material Cast Iron

Adjustment Ring Height

Adjustment Ring Condition

☒ **Sound** ☐ **Corroded/Pitted/Worn**

☐ **Cracked** ☐ **Leaking**

☐ **Broken** ☐ **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** ☐ **Missing**

☐ **Cracked** ☐ **Corroded/Pitted/Worn**

☐ **Broken** ☐ **Coated**

Frame Seal Condition

☒ **Sound** ☐ **Loose/Not Attached**

☐ **Cracked**

☐ **Broken** ☐ **Offset**

Chimney

Chimney Material 1 Brick

Chimney Material 2

Chimney Clear Opening

Chimney Depth 2.0 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 4.2 in**Cone Material** Brick**Wall**

Wall Diameter 1 49

Wall Diameter 2

Wall Material Brick

Wall Depth 6.8 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 3

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	7.4		O	VCP	C	8		S	S	GR	Auto Pipe 401D
	Mainline			Comments								
2	12	7.3		I	VCP	C	8		S	D	GR	Auto Pipe 402D
	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
1.0 ft	CMI	CM							12	12	360-0.0
	Remarks										
4.8 ft	WI	CC							12	12	360-0.0
	Remarks										
4.8 ft	WI	RFB							12	12	360-0.0
	Remarks										
6.7 ft	WI	IW							12		360-0.0
	Remarks Pipe seal 2, no crack visible										