

Sheet 179      **Surveyor's Name** Brian Kauppenin      **Certificate Number** U-218-070300218      **Date** 20241231  
**System Owner**      **Survey Customer**      **Time** 16:16  
**Drainage Area**      **Locality/City Name** Tulsa  
**P.O. No**      **Location (No. & Name)** 3325 S 118th E Ave  
**Further Location Details**      **Inspection Level** Level 2  
**Outgoing Rim to Invert** 7.0 ft      **Outgoing Grade to Invert** 7.0 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** 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** No chimney, 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  
**Civer Size Width**      **# Vent Holes**  
**Cover Material** Cast Iron      **Vent Hole Diameter**  
**Cover Frame Fit** Good  
**Cover Type**  

<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> Bolted
<input type="checkbox"/> Vented/Slots	<input type="checkbox"/> Locking
<input type="checkbox"/> Gasketed	<input type="checkbox"/> Lamphole
<input type="checkbox"/> Hatch Single	<input type="checkbox"/> Inner Cover
<input type="checkbox"/> Hatch Double	

**Cover Condition**  

<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> Missing
<input type="checkbox"/> Cracked	<input type="checkbox"/> Corroded/Pitted
<input type="checkbox"/> Broken	<input type="checkbox"/> Bolts Missing
<input type="checkbox"/> Restraint Missing	
<input type="checkbox"/> Restraint Defective	

**Cover Insert**

**Cover Insert Type** None

**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** 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** 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** 3.1 in**Cone Material** Brick**Wall**

**Wall Diameter 1** 49  
**Wall Diameter 2**  
**Wall Material** Brick

**Wall Depth** 6.7 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** 4  
**Step Material** Metal

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**Pipe Connections**

Num	Clk Rim to		Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special	
	Pos	Invert								Condition	PSR
1	6	7.0	O	VCP	C	8		S	S	GR	Auto Pipe 275B
	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	6.9	I	VCP	C	8		S	S	GR	Auto Pipe 276B
	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						

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
6.5 ft	WI	FC							12	12	360-0.0
	<b>Remarks</b>										
6.5 ft	WI	IS							12	12	360-0.0
	<b>Remarks</b>										