

Sheet 817      **Surveyor's Name** Brian Kauppenin      **Certificate Number** U-218-070300218      **Date** 20250331  
**System Owner**      **Survey Customer**      **Time** 10:07  
**Drainage Area**      **Locality/City Name** Tulsa  
**P.O. No**      **Location (No. & Name)** 1618 S 131st E Pl  
**Further Location Details**      **Inspection Level** Level 2  
**Outgoing Rim to Invert** 8.1 ft      **Outgoing Grade to Invert** 8.1 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** 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** ☐      **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 3.7 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 5.7 in

Cone Material Brick

**Wall**

Wall Diameter 1 48

Wall Diameter 2

Wall Material Brick

Wall Depth 7.7 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 Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Condition	PSR
1	6	8.1		O	VCP	C	8		D	S	GR	Auto Pipe 1115C
	Mainline		Comments									
2	1	8.0		I	VCP	C	8		D	S	GR	Auto Pipe 1116C
	Mainline		Comments									

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.1 ft	CMI	LFZ							1		360-0.0
	Remarks Exposed brick										
2.1 ft	CMI	DAE				5			6	11	360-0.0
	Remarks										
2.2 ft	CMI	CM							12	12	360-0.0
	Remarks										
2.2 ft	CMI	IS							12	12	360-0.0
	Remarks										
3.3 ft	CMI	LFZ							12	12	360-0.0
	Remarks Exposed bricks										
3.3 ft	CMI	VC									360-0.0
	Remarks										
5.6 ft	COI	DAE				5			12	12	360-0.0
	Remarks										
6.6 ft	WI	DAE				5			12	12	360-0.0
	Remarks										
7.8 ft	B	DSF				5			12	12	360-0.0
	Remarks										
7.8 ft	B	OBB				5			9		360-0.0
	Remarks										