

Sheet 129 **Surveyor's Name** Brian Kauppenin **Certificate Number** U-218-070300218 **Date** 20241225
System Owner **Survey Customer** **Time** 14:03
Drainage Area **Locality/City Name** Tulsa
P.O. No **Location (No. & Name)** 3612 S 103rd E Ave
Further Location Details **Inspection Level** Level 2
Outgoing Rim to Invert 18.2 ft **Outgoing Grade to Invert** 18.8 ft **Rim to Grade** 0.6 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 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
Cover 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 type="checkbox"/> Solid	<input type="checkbox"/> Missing
<input type="checkbox"/> Cracked	<input checked="" 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

Sheet 129

Survey Date 20241225

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Adj. Ring

Adjustment Ring Type None

Adjustment Ring Material

Adjustment Ring Height

Adjustment Ring Condition☐ Sound☐ Corroded/Pitted/Worn☐ Cracked☐ Leaking☐ Broken☐ Poor Installation**Frame**

Frame Material Cast Iron

Frame Offset Distance 0.0 in

Frame Bearing Surface Width 0.8 in

Frame Depth

Frame Bearing Surface Depth 1.0 in

Frame Seal Inflow None

Frame Clear Opening Diameter 21.8 in

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

Interior Chimney Coating/Liner Cementitious

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 0.0 in

Cone

Cone Type Conical off centered

Cone Depth 5.2 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

Wall

Wall Diameter 1 48

Wall Depth 16.3 in

Wall Diameter 2

Interior Wall Coating/Liner Cementitious

Wall Material Concrete (reinforced)

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 0

Step Material

Sheet 129

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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	18.2	O	RCP	C	42		S	S	GR	Auto Pipe 156B
	Mainline		Comments								
2	9	14.1	I	VCP	C	18		S	S	OU	Auto Pipe 157B
	Mainline		Comments								
3	9	16.1	I	VCP	C	18		S	S	OL	Auto Pipe 158B
	Mainline		Comments								
4	12	18.2	I	RCP	C	42		S	S	GR	Auto Pipe 159B
	Mainline		Comments								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
5.3 ft	WI	SAP	S01						12	12	360-0.0
	Remarks										
9.0 ft	WI	SRV							8	11	360-0.0
	Remarks										
11.3 ft	WI	MSC					48	96			360-0.0
	Remarks Approximate from GIS/point cloud, unable to get exact measurement										
13.1 ft	WI	IS							2	3	360-0.0
	Remarks										
13.2 ft	WI	DAE				10			2	3	360-0.0
	Remarks										
13.2 ft	WI	MGO									360-0.0
	Remarks Possible abandoned pipe										
13.6 ft	WI	RPP							1	4	360-0.0
	Remarks Brick										
16.2 ft	WI	SAP	F01						12	12	360-0.0
	Remarks										