

Sheet 150 **Surveyor's Name** Brian Kauppenin **Certificate Number** U-218-070300218 **Date** 20241230
System Owner **Survey Customer** **Time** 10:50
Drainage Area **Locality/City Name** Tulsa
P.O. No **Location (No. & Name)** 3309 S 116th E Pl
Further Location Details **Inspection Level** Level 2
Outgoing Rim to Invert 10.8 ft **Outgoing Grade to Invert** 10.6 ft **Rim to Grade** 0.2 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 Cover and frame have 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
☒ **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**

Sheet 150

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Location (No. & Name) 3309 S 116th E Pl

Inspection Level Level 2

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Adj. Ring

Adjustment Ring Type None

Adjustment Ring Material

Adjustment Ring Height

Adjustment Ring Condition

- | | |
|----------------------------------|---|
| <input type="checkbox"/> Sound | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Broken | <input type="checkbox"/> 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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted/Worn |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Coated |

Frame Seal Condition

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sound | <input type="checkbox"/> Loose/Not Attached |
| <input type="checkbox"/> Cracked | |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Offset |

Chimney

Chimney Material 1 Brick

Interior Chimney Coating/Liner Cementitious

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 1.5 in

Cone

Cone Type Conical centered

Cone Depth 4.0 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

Wall

Wall Diameter 1 49

Wall Depth 10.2 in

Wall Diameter 2

Interior Wall Coating/Liner Cementitious

Wall Material Brick

Exterior Wall Coating/Liner

Bench

Bench Present N

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	6
Step Material	Metal

Sheet 150

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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	10.8	O	VCP	C	15		D	D	GR	Auto Pipe 211B
	Mainline		Comments								
2	9	10.7	I	VCP	C	15		D	D	GR	Auto Pipe 212B
	Mainline		Comments								
3	3	6.6	I	VCP	C	8		D	D	OU	Auto Pipe 213B
	Mainline		Comments								
4	3	10.2	I	VCP	C	8		S	S	OL	Auto Pipe 214B
	Mainline		Comments								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.0 ft	CMI	LFZ							12	12	360-0.0
	Remarks	Exposed bricks									
6.6 ft	WI	LFZ							3		360-0.0
	Remarks	Exposed brick									
8.0 ft	WI	DAR				5			4	5	360-0.0
	Remarks	On 2 steps									
9.3 ft	WI	FC							12	12	360-0.0
	Remarks	Includes pipe seals 1 and 2									
9.3 ft	WI	IS							5	1	360-0.0
	Remarks										
9.3 ft	WI	IW							1	5	360-0.0
	Remarks										
9.3 ft	WI	RFB							12	12	360-0.0
	Remarks	Includes pipe seals 1 and 2									