

Sheet 338      **Surveyor's Name** Brian Kauppenin      **Certificate Number** U-218-070300218      **Date** 20250124  
**System Owner**      **Survey Customer**      **Time** 09:30  
**Drainage Area**      **Locality/City Name** Tulsa  
**P.O. No**      **Location (No. & Name)** 12185 E 21st Ct  
**Further Location Details**      **Inspection Level** Level 2  
**Outgoing Rim to Invert** 10.2 ft      **Outgoing Grade to Invert** 10.2 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** No chimney  
**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**

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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 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 3.0 in

Cone Material Concrete (non-reinforced)

**Wall**

Wall Diameter 1 52

Wall Diameter 2

Wall Material Brick

Wall Depth 9.7 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 6

Step Material Plastic

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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	10.2	O	VCP	C	12		S	S	GR	Auto Pipe 646B
	Mainline		Comments								
2	9	7.9	I	VCP	C	8		S	D	OU	Auto Pipe 647B
	Mainline		Comments								
3	9	10.0	I	VCP	C	8		S	S	OL	Auto Pipe 648B
	Mainline		Comments								
4	1	8.1	I	VCP	C	12		S	D	OU	Auto Pipe 649B
	Mainline		Comments								
5	1	10.0	I	VCP	C	12		D	S	OL	Auto Pipe 650B
	Mainline		Comments								
6	3	7.5	I	VCP	C	8		S	D	OU	Auto Pipe 651B
	Mainline		Comments								
7	3	10.1	I	VCP	C	8		S	S	OL	Auto Pipe 652B
	Mainline		Comments								

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
4.1 ft	WI	DAR				5			4		360-0.0
	Remarks										
7.3 ft	WI	CM							2	3	360-0.0
	Remarks Pipe seal 6										
7.3 ft	WI	IW							3		360-0.0
	Remarks Pipe seal 6										
7.9 ft	WI	CC							8	9	360-0.0
	Remarks Pipe seal 2										
7.9 ft	WI	IW							9		360-0.0
	Remarks Pipe seal 2										
8.0 ft	WI	CM							11	1	360-0.0
	Remarks Pipe seal 4										
8.0 ft	WI	IW							11	1	360-0.0
	Remarks Pipe seal 4										
9.8 ft	B	DSF				5			12	12	360-0.0
	Remarks Toilet paper and sludge										