

Sheet 337 Surveyor's Name Brian Kauppenin Certificate Number U-218-070300218 Date 20250124
System Owner Survey Customer Time 08:59
Drainage Area Locality/City Name Tulsa
P.O. No Location (No. & Name) 12173 E 21st Ct
Further Location Details Inspection Level Level 2
Outgoing Rim to Invert 9.3 ft Outgoing Grade to Invert 9.3 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 Light Highway 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 frame has some corrosion, channel is VCP
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

- | | |
|----------------------------------|---|
| <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 1.1 in

Cone

Cone Type Conical centered

Cone Depth 2.8 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

Wall

Wall Diameter 1 51

Wall Depth 8.6 in

Wall Diameter 2

Interior Wall Coating/Liner Cementitious

Wall Material Brick

Exterior Wall Coating/Liner

Bench

Bench Present Y

Bench Material Concrete (non-reinforced)

Bench Coating/Liner Bench Liner

Channel/Step**Channel**

Channel Material	Other
Channel Type	Other
Channel Exposure	F
Channel Installed	Y

Step

# Steps	4
Step Material	Metal

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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	9.3	O	VCP	C	12		S	S	GR	Auto Pipe 644B
	Mainline		Comments								
2	12	9.2	I	VCP	C	12		S	S	GR	Auto Pipe 645B
	Mainline		Comments								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
1.6 ft	COI	CM							7	10	360-0.0
	Remarks										
1.6 ft	COI	RFB							7	10	360-0.0
	Remarks										
1.7 ft	COI	IS							11	4	360-0.0
	Remarks										
1.7 ft	COI	MMS							11	4	360-0.0
	Remarks										
2.0 ft	COI	MLC									360-0.0
	Remarks From NC to C										
3.3 ft	WI	DAR				5			3		360-0.0
	Remarks										