

Sheet 737 Surveyor's Name Brian Kauppenin Certificate Number U-218-070300218 Date 20250317
System Owner Survey Customer Time 17:25
Drainage Area Locality/City Name Tulsa
P.O. No Location (No. & Name) 13140 E 21st St
Further Location Details Inspection Level Level 2
Outgoing Rim to Invert 15.7 ft Outgoing Grade to Invert 15.7 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
Node Surface Types

Concrete Pavement ☒ Concrete Collar ☐ Asphalt ☐ Grass / Dirt ☐ Gravel ☐ Other ☐

Cover

Cover Shape Circular Cover Bearing Surface Diameter Width
Cover Size 23.8 in Cover Bearing Surface Diameter 23.5 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 737

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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 22.5 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 2.5 in

Cone

Cone Type Flattop

Cone Depth 3.2 in

Exterior Cone Coating/Liner

Cone Material Concrete (reinforced)

Interior Cone Coating/Liner

Wall

Wall Diameter 1 48

Wall Depth 15.3 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 Concrete (non-reinforced)

Channel Type Concrete (non-reinforced)

Channel Exposure F

Channel Installed Y

Step

Steps 15

Step Material Plastic

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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	15.7		O	VCP	C	10		S	S	GR	Auto Pipe 928C
	Mainline		Comments									
2	12	11.9		I	VCP	C	10		D	D	OU	Auto Pipe 929C
	Mainline		Comments									
3	12	15.4		I	VCP	C	10		S	S	OL	Auto Pipe 930C
	Mainline		Comments									

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
3.3 ft	WI	IS		Y					10	12	360-0.0
	Remarks										
3.5 ft	WI	VZ					1				360-0.0
	Remarks Slug										
7.0 ft	WI	LFZ	S01						3	12	360-0.0
	Remarks Exposed bricks										
9.6 ft	WI	DAE	S02			5			6	7	360-0.0
	Remarks										
9.6 ft	WI	DAE	S03			5			12	3	360-0.0
	Remarks										
9.6 ft	WI	IW							6		360-0.0
	Remarks										
9.7 ft	WI	IW							12		360-0.0
	Remarks										
11.8 ft	WI	CC							11	12	360-0.0
	Remarks Pipe seal 2										
11.8 ft	WI	IW							11	12	360-0.0
	Remarks Pipe seal 2										
13.0 ft	WI	DAE	F02			5			6	7	360-0.0
	Remarks										
14.6 ft	WI	DAE	F03			5			12	3	360-0.0
	Remarks										
14.8 ft	WI	LFZ	F01						3	12	360-0.0
	Remarks Exposed bricks										
15.4 ft	B	DSZ				5			12	12	360-0.0
	Remarks Toilet paper and sludge										