

Sheet 1387      Surveyor's Name Ryan Drake      Certificate Number P0055099-062025      Date 20250811  
System Owner      Survey Customer      Time 19:06  
Drainage Area      Locality/City Name Tulsa  
P.O. No      Location (No. & Name) 14108 E 21st St  
Further Location Details East of Eastgate Metroplex north entrance      Inspection Level Level 2  
Outgoing Rim to Invert 8.7 ft      Outgoing Grade to Invert 8.7 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 Parking Lot      Potential for Runoff      Evidence of Surcharge No  
Access Point Type Manhole      Coordinate System WGS 1984  
Northing 36.1323      Easting -95.8182      Elevation      Accuracy of GPS  
Inspection Status Remote Inspection  
Additional Information 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

Sheet 1387

Survey Date 20250811

P.O. No

Location (No. &amp; Name) 14108 E 21st St

Inspection Level Level 2

Locality/City Name Tulsa

Inspection Status Remote Inspection

**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 Concrete (reinforced)

Interior Chimney Coating/Liner None - No Coating

Chimney Material 2

Exterior Chimney Coating/Liner None - No Coating

Chimney Clear Opening

Chimney I/I

Chimney Depth 1.7 in

**Cone**

Cone Type Conical centered

Cone Depth 4.1 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

**Wall**

Wall Diameter 1 48

Wall Depth 8.2 in

Wall Diameter 2

Interior Wall Coating/Liner None - No Coating

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	Other
Channel Type	Other
Channel Exposure	F
Channel Installed	Y

**Step**

# Steps	4
Step Material	Metal

Sheet 1387

Survey Date 20250811

P.O. No

Location (No. &amp; Name) 14108 E 21st St

Inspection Level Level 2

Locality/City Name Tulsa

Inspection Status Remote Inspection

**Pipe Connections**

Num	Clk	Rim to Pos	Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Condition	PSR
1	6	8.7		O	PE	C	8	8	S	D	GR	082-0391:082-0390
	Mainline		Comments									
2	12	8.6		I	VCP	C	8	8	D	S	GR	082-0392:082-0391
	Mainline		Comments									

**Observations**

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
0.3 ft		CMI	MGO								360-0.0
	Remarks		Echo meter in manhole								
3.0 ft		COI	FC						12	12	360-0.0
	Remarks										
3.1 ft		COI	DAZ			10			12	2	360-0.0
	Remarks										
3.1 ft		COI	LFZ						12	2	360-0.0
	Remarks		Exposed brick								
8.2 ft		B	DAZ			10			12	12	360-0.0
	Remarks										
8.2 ft		B	DSC			15			12	12	360-0.0
	Remarks										
8.6 ft		C	IS						6		360-0.0
	Remarks		Pipe seal								