

Sheet 1411 Surveyor's Name Roy Bass

Certificate Number U-316-07003375

Date 20250926

System Owner

Survey Customer

Time 11:56

Drainage Area

Locality/City Name Tulsa

P.O. No

Location (No. & Name) 11902 E21st St

Further Location Details

Inspection Level Level 2

Outgoing Rim to Invert 11.6 ft

Outgoing Grade to Invert 11.1 ft

Rim to Grade 0.5 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 No

Access Point Type Manhole

Coordinate System

Northing

Easting

Elevation

Accuracy of GPS

Inspection Status Remote Inspection

Additional Information Channel is VCP, Lining material at frame seal cracked, seal is defective

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

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Bolted |
| <input type="checkbox"/> Vented/Slots | <input type="checkbox"/> Locking |
| <input type="checkbox"/> Gasketed | <input type="checkbox"/> Lamphole |
| <input type="checkbox"/> Hatch Single | <input type="checkbox"/> Inner Cover |
| <input type="checkbox"/> Hatch Double | |

Cover Condition

- | | |
|--|--|
| <input checked="" type="checkbox"/> Solid | <input type="checkbox"/> Missing |
| <input type="checkbox"/> Cracked | <input type="checkbox"/> Corroded/Pitted |
| <input type="checkbox"/> Broken | <input type="checkbox"/> Bolts Missing |
| <input type="checkbox"/> Restraint Missing | |
| <input type="checkbox"/> Restraint Defective | |

Cover Insert

Cover Insert Type None

Cover Insert Condition

- | | |
|---|--------------------------------------|
| <input type="checkbox"/> Solid | <input type="checkbox"/> Leaking |
| <input type="checkbox"/> Poorly Fitting | <input type="checkbox"/> Corroded |
| <input type="checkbox"/> Cracked/Torn/Holes | <input type="checkbox"/> Insert Fell |

Sheet 1411

Survey Date 20250926

P.O. No

Location (No. & Name) 11902 E21st 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 1.0 in

Frame Bearing Surface Width 0.8 in

Frame Depth

Frame Bearing Surface Depth 1.0 in

Frame Seal Inflow Infil Stained

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

Chimney

Chimney Material 1 Other

Interior Chimney Coating/Liner None - No Coating

Chimney Material 2

Exterior Chimney Coating/Liner

Chimney Clear Opening

Chimney I/I

Chimney Depth 0.0 in

Cone

Cone Type Conical centered

Cone Depth 3.2 in

Exterior Cone Coating/Liner

Cone Material Brick

Interior Cone Coating/Liner

Wall

Wall Diameter 1 48

Wall Depth 10.8 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	7
Step Material	Metal

Sheet 1411

Survey Date 20250926

P.O. No

Location (No. & Name) 11902 E21st St

Inspection Level Level 2

Locality/City Name Tulsa

Inspection Status Remote Inspection

Pipe Connections

Num	Clk Pos	Rim to Invert	Direc	Material	Shape	Diam	Width	Pipe Cond	Seal Cond	Special Condition	PSR
1	6	11.6	O	DIP	C	12		S	S	GR	Auto Pipe 3006
	Mainline		Comments								
2	12	11.5	I	VCP	C	12		S	S	GR	Auto Pipe 3007
	Mainline		Comments								

Observations

Distance	Comp	Code	CD	Jnt	Stp	%	In1	In2	Fr	To	Video Reference
2.2 ft	COI	SZC							3	5	360-0.0
	Remarks	Plastic coating on steps appears to be corroded, potentially by h2s									
3.9 ft	WI	SZ							8	11	360-0.0
	Remarks	Superficial cracks in lining material									
3.9 ft	WI	SZC							3	4	360-0.0
	Remarks	Plastic coating on steps appears to be corroded, potentially by h2s									
5.9 ft	WI	CC							5	9	360-0.0
	Remarks										
5.9 ft	WI	DNZ				10			5	6	360-0.0
	Remarks	Appears to be mineral deposits									
10.3 ft	WI	MGO									360-0.0
	Remarks	2:00, has the appearance of calcium deposits, unable to verify									