



Defect Listing

Pipe Segment Refere... A7-2_A7-1	City Oliver Springs	Street highway 62	Material PolyVinyl Chloride	Location C... Easement/R...	Sewer Use Sanitary
Upstream MH A7-2	Total Length 301.2	Year Laid	Shape Circular	Location Details	
DS Manhole A7-1	Length surveyed 301.2	Year Renewed	Height 8	Width 8	Pipe Joint... 13

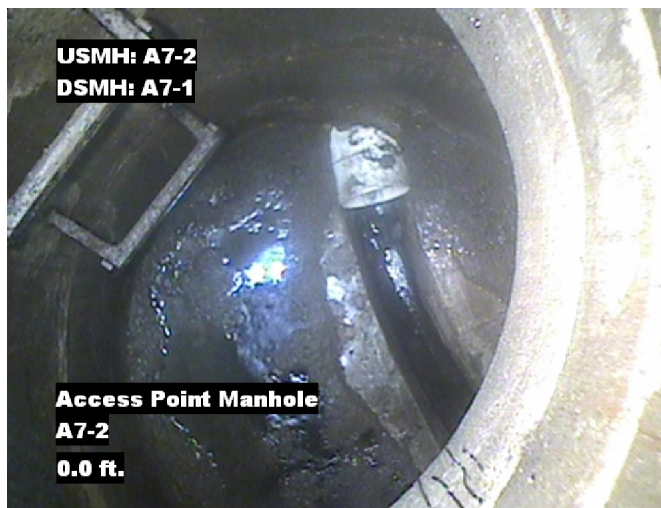
SPR 5	MPR 22	PO Number 4397-03		Customer GRW	
SPRI 5	MPRI 2	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 5100	QMR 2A00				
OPR 27	Surveyed By Charlie Gordon	Direction Downstream	Date 20150831	Media label	
OPRI 2.3	Certificate Number U-615-07000491	Pre-Cleaning Jetting	Time 09:53	Weather Dry	
Date Cleaned 20150831			End Time 10:10	Additional Info	

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A7-2									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
191.9 ft.	Deformed Vertically				20	<input type="checkbox"/>			5
214.0 ft.	Tap Factory Made Active		6		0	<input type="checkbox"/>	9		
218.2 ft.	Water Level Sag	S01			15	<input type="checkbox"/>			2
229.7 ft.	Water Level Sag	F01			15	<input type="checkbox"/>			2
237.2 ft.	Intruding Sealing Ring Broken				10	<input type="checkbox"/>	5	8	2
250.1 ft.	Intruding Sealing Ring Broken				10	<input type="checkbox"/>	5	8	2
254.2 ft.	Water Level Sag	S02			10	<input type="checkbox"/>			2
283.8 ft.	Water Level Sag	F02			10	<input type="checkbox"/>			2
283.8 ft.	Water Level Sag				30	<input type="checkbox"/>			2
298.5 ft.	Water Level				5	<input type="checkbox"/>			
301.2 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A7-1									

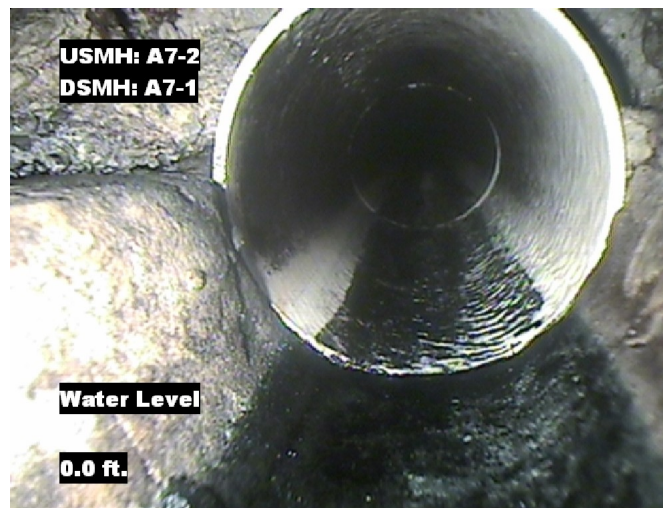


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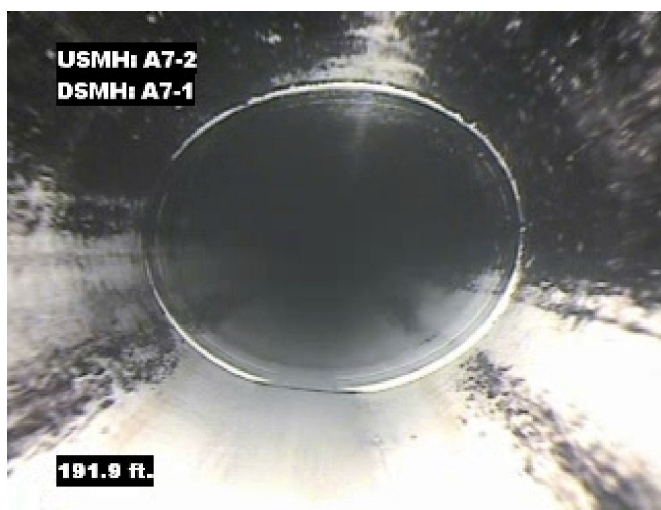
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Upstream MH A7-2	Total Length 301.2	Year Laid	Shape Circular		Location Details	
DS Manhole A7-1	Length surveyed 301.2	Year Renewed	Height 8	Width 8	Pipe Joint...	13



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A7-2



Distance: 0.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 191.9 ft. Grade: 5
Condition: Deformed Vertically
Remarks: N/A



Distance: 214.0 ft. Grade: 0
Condition: Tap Factory Made Active
Remarks: N/A

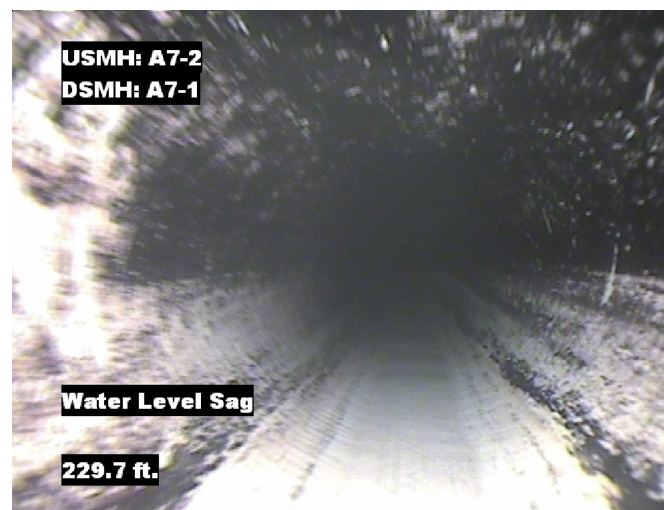


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A7-2_A7-1	Oliver Springs	highway 62	PolyVinyl Chloride	Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A7-2	301.2		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A7-1	301.2		8	8	13



Distance: 218.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 229.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

Distance: 237.2 ft. Grade: 2
Condition: Intruding Sealing Ring Broken
Remarks: N/A

Distance: 250.1 ft. Grade: 2
Condition: Intruding Sealing Ring Broken
Remarks: N/A

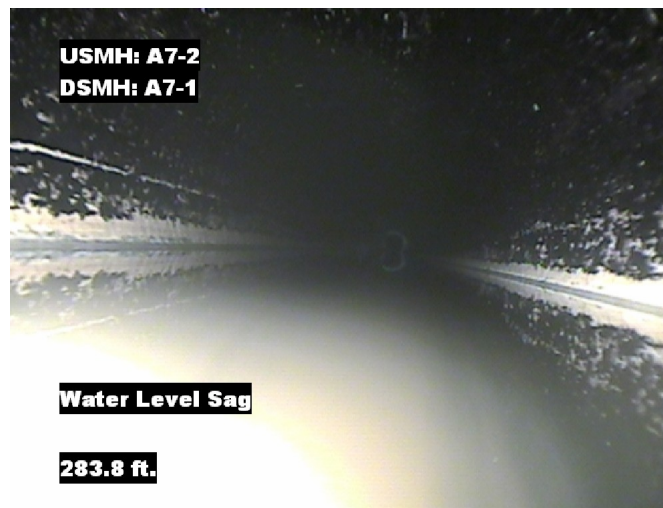


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Upstream MH A7-2	Total Length 301.2	Year Laid	Shape Circular		Location Details	
DS Manhole A7-1	Length surveyed 301.2	Year Renewed	Height 8	Width 8	Pipe Joint...	13



Distance: 254.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 283.8 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

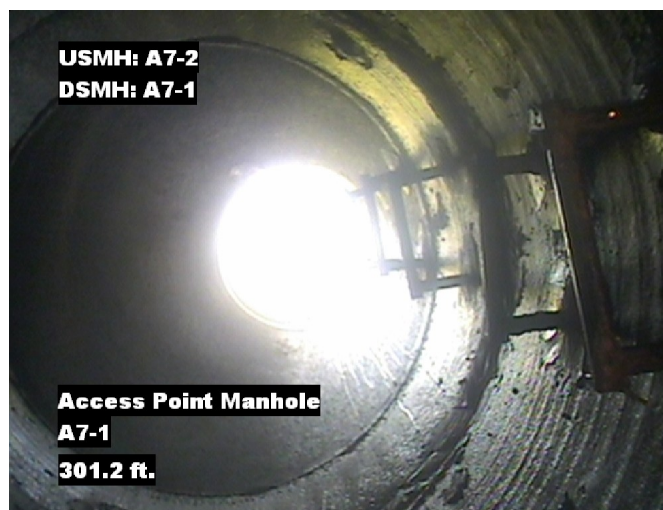
Distance: 283.8 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

Distance: 298.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A

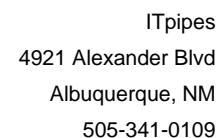


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Distance: 301.2 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A7-1



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SPRI 5	MPRI 2	Work Order		Purpose		
QSR 5100	QMR 2A00	4397-02		Pre-Rehabilitation Survey		
OPR 27	Surveyed By Charlie_Gordon	Direction Downstream	Date 20150831		Media label	
OPRI 2.3	Certificate Number U-615-07000491	Pre-Cleaning Jetting	Time 09:53		Weather Dry	
Date Cleaned 20150831			End Time 10:10		Additional Info	

Normal Defects			Structural Ratings			O & M Ratings			Combined Ratings		
			Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating
Continuous Defects			1	0	0	1	0	0	1	0	0
			2	0	0	2	3	6	2	3	6
			3	0	0	3	0	0	3	0	0
			4	0	0	4	0	0	4	0	0
			5	1	5	5	0	0	5	1	5
Code	ID	Length	0	0	0	2	2	4	2	2	4
MWLS	F01	11.5									
MWLS	F02	29.6									
			Subtotals	1		Subtotals	11		Subtotals	12	
SUMMARY			Pipe Rating		5	Pipe Rating		22	Overall Pipe Rating		27
			Structural Index		5.0	O&M Index		2.0	Overall Index		2.3
			Str. Quick Rating		5100	O&M Quick Rating		2A00	Ovrl. Quick Rating		512A