



Defect Listing

Pipe Segment Refere... A8-1_A-46	City Oliver Springs	Street Central	Material Fibreglass Reinforc...	Location C... Creek	Sewer Use Sanitary
Upstream MH A8-1	Total Length 81.3	Year Laid	Shape Circular	Location Details	
DS Manhole A-46	Length surveyed 81.3	Year Renewed	Height 8	Width 8	Pipe Joint... N/A

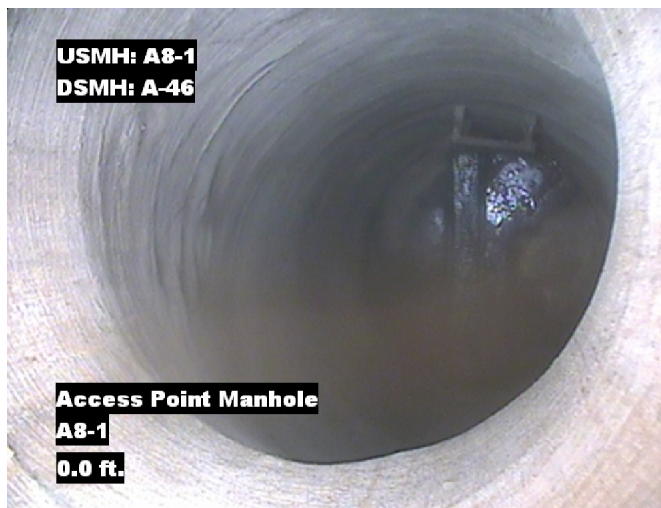
SPR N/A	MPR 10	PO Number 4397-03	Customer GRW
SPRI N/A	MPRI 3.3	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR N/A	QMR 4132		
OPR 10	Surveyed By Charlie Gordon	Direction Downstream	Date 20150902
OPRI 3.3	Certificate Number U-615-07000491	Pre-Cleaning No Pre-Cleaning	Time 07:25
	Date Cleaned	End Time 07:38	Weather Dry
		Additional Info CAMERA CAN NOT CONT...	

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: A8-1									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
29.0 ft.	Buckling Inverse Curvature				5	<input type="checkbox"/>	4	5	
31.5 ft.	Buckling Inverse Curvature				5	<input type="checkbox"/>	4	5	
Remarks: BUCKLING IN LINING									
36.0 ft.	Buckling Inverse Curvature				5	<input type="checkbox"/>	4	5	
Remarks: BUCKLING IN LINING									
44.9 ft.	Buckling Inverse Curvature				5	<input type="checkbox"/>	4	5	
Remarks: BUCKLING IN LINING									
72.8 ft.	Water Level Sag	S01			40	<input type="checkbox"/>			3
76.5 ft.	Camera Underwater				0	<input type="checkbox"/>			4
81.3 ft.	Water Level Sag	F01			40	<input type="checkbox"/>			3
81.3 ft.	Survey Abandoned				0	<input type="checkbox"/>			
Remarks: DEPOSITS UNDERWATER									

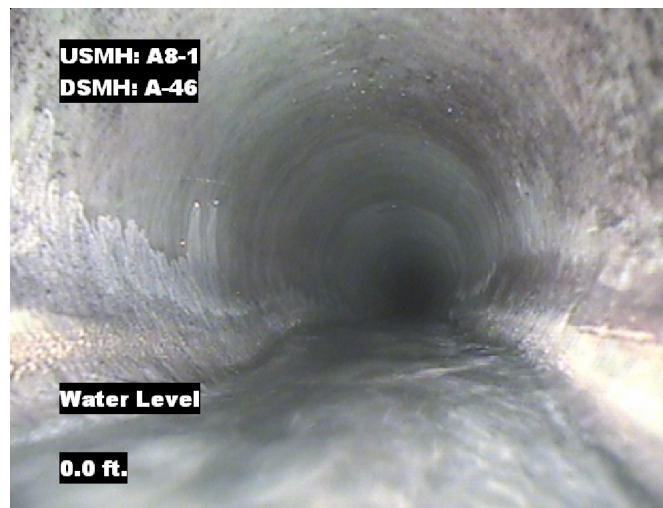


Image Report 4/Page

Pipe Segment Refere... A8-1_A-46	City Oliver Springs	Street Central	Material Fibreglass Reinforc...		Location C... Creek	Sewer Use Sanitary
Upstream MH A8-1	Total Length 81.3	Year Laid	Shape Circular		Location Details	
DS Manhole A-46	Length surveyed 81.3	Year Renewed	Height 8	Width 8	Pipe Joint...	
					N/A	



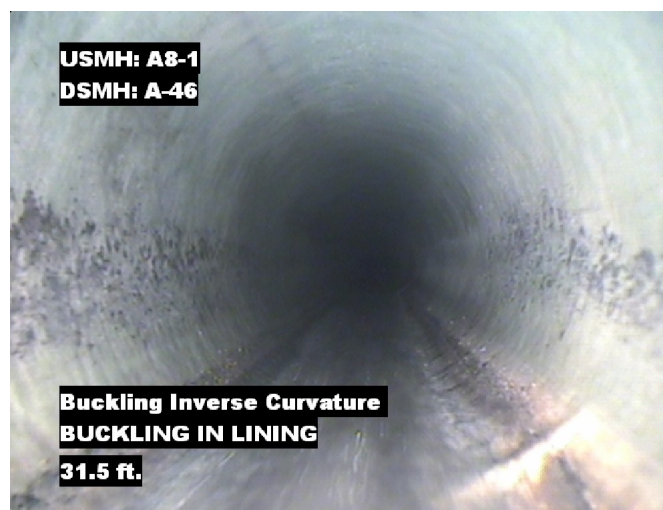
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A8-1



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



Distance: 29.0 ft. Grade: 0
Condition: Buckling Inverse Curvature
Remarks: N/A

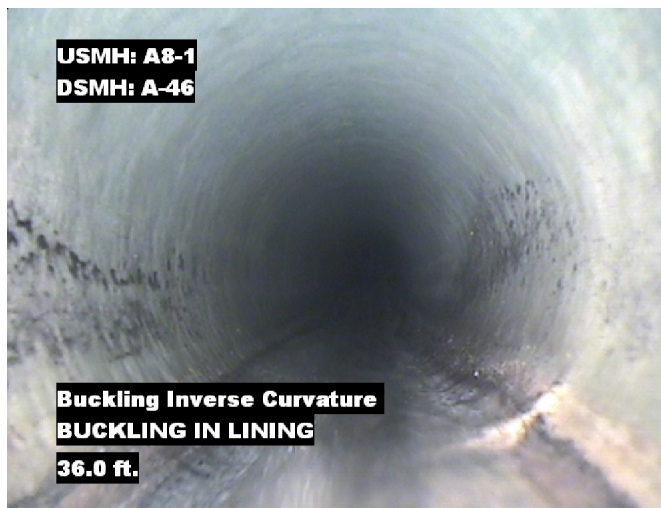


Distance: 31.5 ft. Grade: 0
Condition: Buckling Inverse Curvature
Remarks: BUCKLING IN LINING



Image Report 4/Page

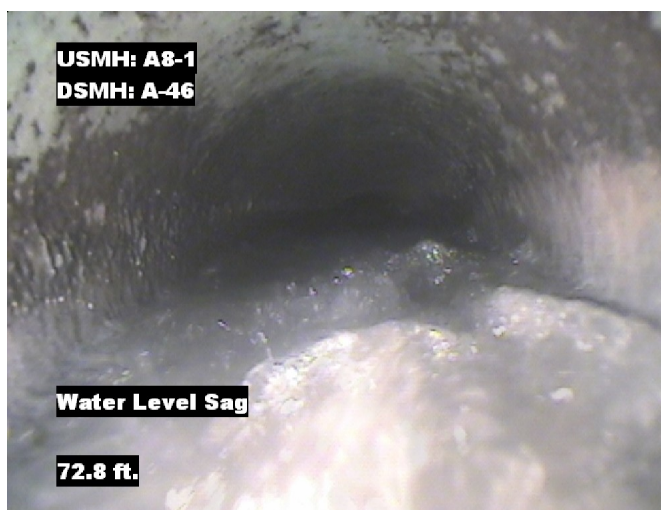
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A8-1_A-46	Oliver Springs	Central	Fibreglass Reinforc...	Creek	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A8-1	81.3		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-46	81.3		8	8	N/A



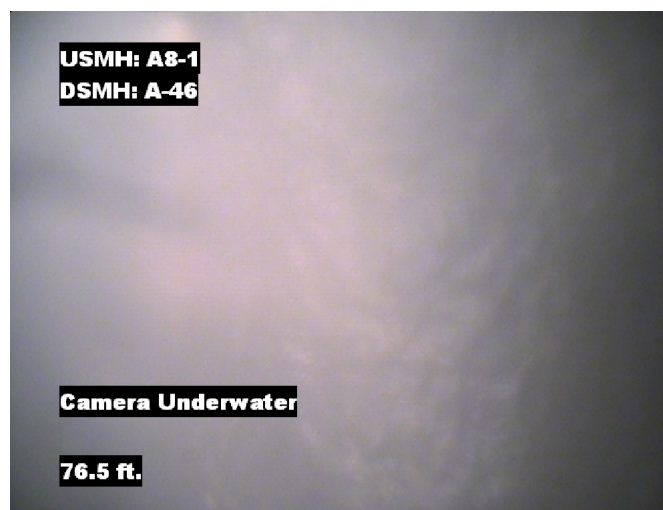
Distance: 36.0 ft. Grade: 0
Condition: Buckling Inverse Curvature
Remarks: BUCKLING IN LINING



Distance: 44.9 ft. Grade: 0
Condition: Buckling Inverse Curvature
Remarks: BUCKLING IN LINING



Distance: 72.8 ft. Grade: 3
Condition: Water Level Sag
Remarks: N/A

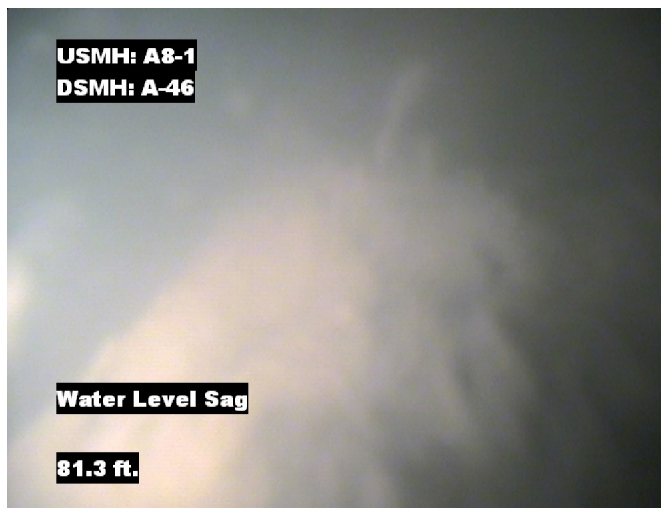


Distance: 76.5 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A

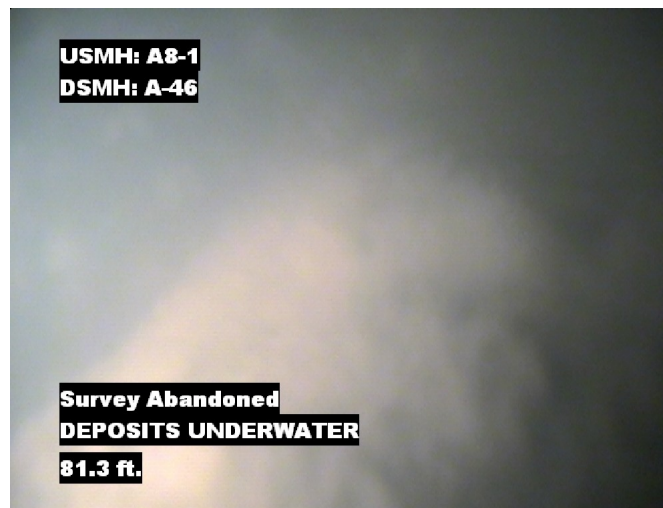


Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A8-1_A-46	Oliver Springs	Central	Fibreglass Reinforc...	Creek	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A8-1	81.3		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-46	81.3		8	8	N/A



Distance: 81.3 ft. Grade: 3
Condition: Water Level Sag
Remarks: N/A



Distance: 81.3 ft. Grade: 0
Condition: Survey Abandoned
Remarks: DEPOSITS UNDERWATER



Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A8-1_A-46	Oliver Springs	Central	Fibreglass Reinforc...	Creek	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A8-1	81.3		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-46	81.3		8	8	N/A
SPR	N/A	MPR	10	Customer	
SPRI	N/A	MPRI	3.3	GRW	
QSR	N/A	QMR	4132	Purpose	
				Pre-Rehabilitation Survey	
OPR	Surveyed By	Direction	Date	Media label	
10	Charlie_Gordon	Downstream	20150902		
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3.3	U-615-07000491	No Pre-Cleaning	07:25	Dry	
Date Cleaned			End Time	Additional Info	
			07:38	CAMERA CAN NOT CONT..	

			Structural Ratings			O & M Ratings			Combined Ratings		
			Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating
Normal Defects											
<div>Continuous Defects</div> <div><div>CodeIDLength</div>MWLSF018.5</div>			1	0	0	1	0	0	1	0	0
			2	0	0	2	0	0	2	0	0
			3	0	0	3	0	0	3	0	0
			4	0	0	4	1	4	4	1	4
			5	0	0	5	0	0	5	0	0
			0	0	0	3	2	6	3	2	6
			Subtotals	0		Subtotals	3		Subtotals	3	
SUMMARY			Pipe Rating	0		Pipe Rating	10		Overall Pipe Rating	10	
			Structural Index	0		O&M Index	3.3		Overall Index	3.3	
			Str. Quick Rating	0000		O&M Quick Rating	4132		Ovrl. Quick Rating	4132	