



Defect Listing

Pipe Segment Refere... B-4_B-3	City Oliver Springs	Street Old harriman Hwy	Material Fibreglass Reinforc...	Location C... Light High...	Sewer Use Sanitary
Upstream MH B-4	Total Length 270	Year Laid	Shape Circular	Location Details	
DS Manhole B-3	Length surveyed 270	Year Renewed	Height 10	Width 10	Pipe Joint... N/A

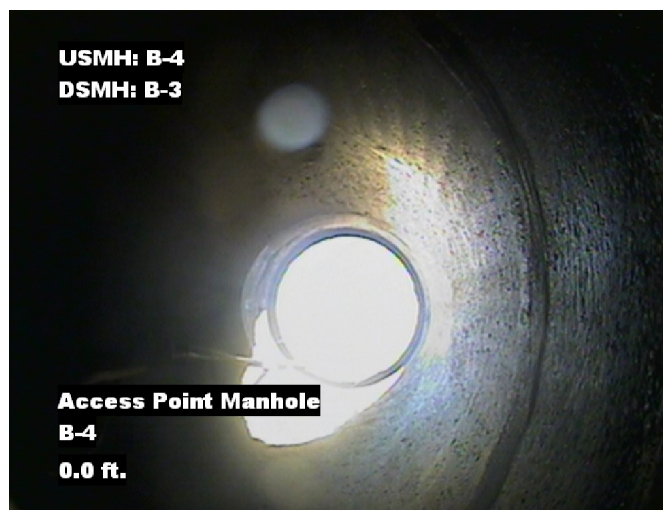
SPR 6	MPR 8	PO Number 4397-03		Customer GRW	
SPRI 3	MPRI 2.7	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 3200	QMR 4122				
OPR 14	Surveyed By Charlie Gordon	Direction Downstream	Date 20150915	Media label	
OPRI 2.8	Certificate Number U-615-07000491	Pre-Cleaning Jetting	Time 13:56	Weather Dry	
Date Cleaned 20150915			End Time 14:10	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: B-4									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
68.0 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
243.1 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	2	4	3
246.7 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	10		3
Remarks: THIS IS A CONTINUOUS DEFECT									
254.7 ft.	Water Level Sag	S01			15	<input type="checkbox"/>			2
260.7 ft.	Camera Underwater				0	<input type="checkbox"/>			4
266.7 ft.	Water Level Sag	F01			15	<input type="checkbox"/>			2
268.0 ft.	Water Level				10	<input type="checkbox"/>			
270.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: B-3									

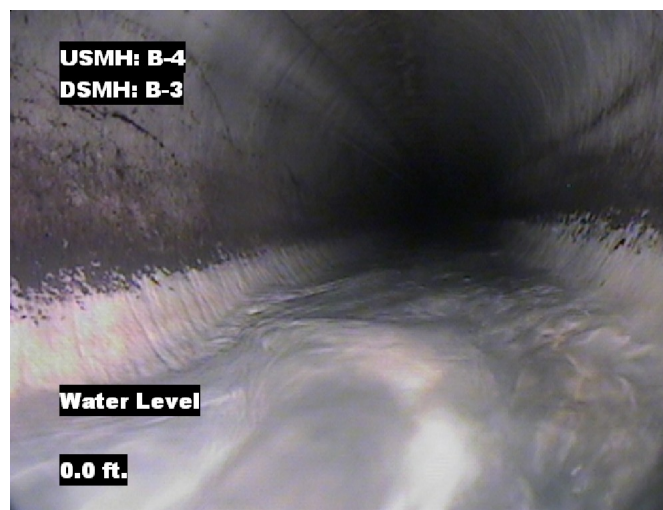


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
B-4_B-3	Oliver Springs	Old harriman Hwy	Fibreglass Reinforc...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
B-4	270		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
B-3	270		10	10	N/A



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: B-4



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



Distance: 68.0 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A

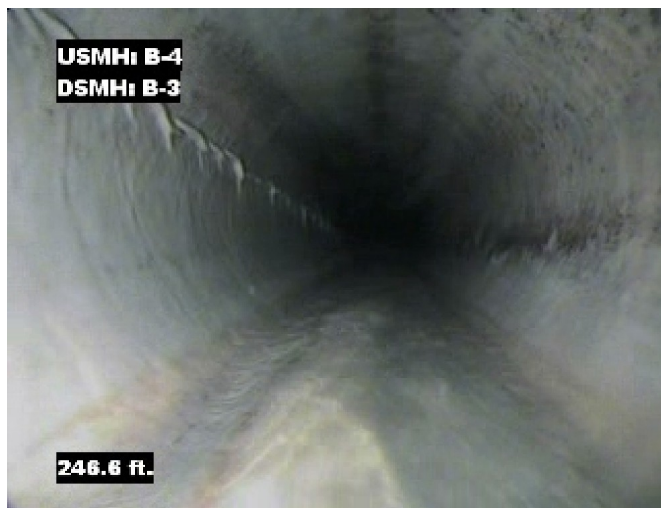


Distance: 243.1 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



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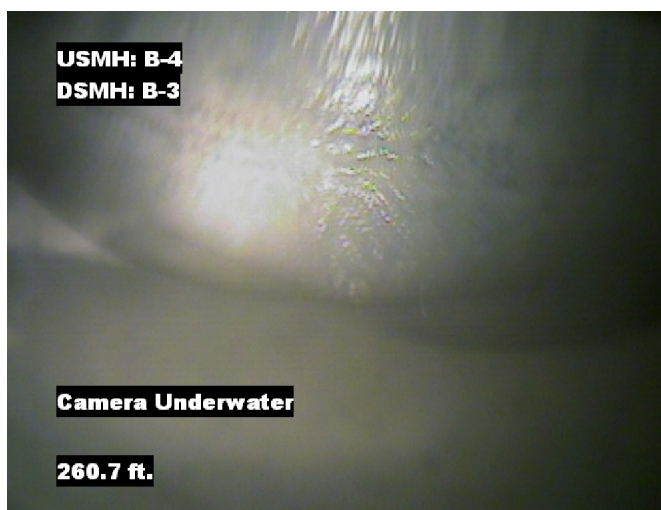
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Upstream MH B-4	Total Length 270	Year Laid	Shape Circular		Location Details	
DS Manhole B-3	Length surveyed 270	Year Renewed	Height 10	Width 10	Pipe Joint...	
					N/A	



Distance: 246.7 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: THIS IS A CONTINUOUS DEFECT



Distance: 254.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 260.7 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



Distance: 266.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

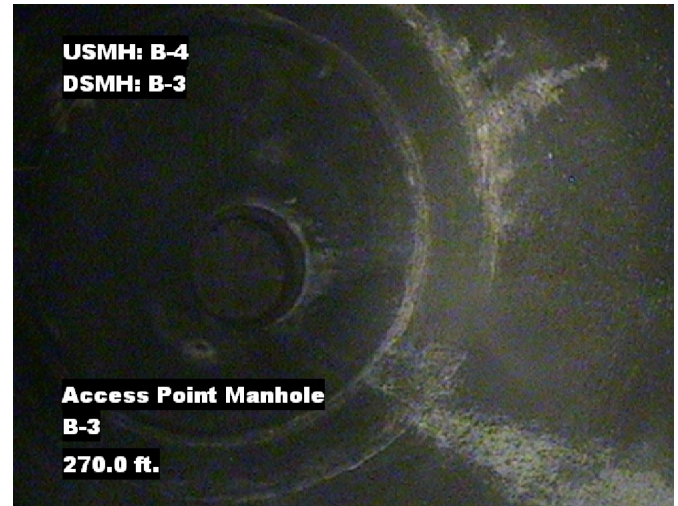


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Pipe Segment Refere... B-4_B-3	City Oliver Springs	Street Old harriman Hwy	Material Fibreglass Reinforc...		Location C... Light High...	Sewer Use Sanitary
Upstream MH B-4	Total Length 270	Year Laid	Shape Circular		Location Details	
DS Manhole B-3	Length surveyed 270	Year Renewed	Height 10	Width 10	Pipe Joint...	N/A



Distance: 268.0 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 270.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: B-3



PACP Conditions

Pipe Segment Refere... B-4_B-3	City Oliver Springs	Street Old harriman Hwy	Material Fibreglass Reinforc...	Location C... Light High...	Sewer Use Sanitary
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SPRI 3	MPRI 2.7	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 3200	QMR 4122	Direction Downstream		Date 20150915	
OPR 14	Surveyed By Charlie Gordon	Pre-Cleaning Jetting		Media label	
OPRI 2.8	Certificate Number U-615-07000491	Time 13:56		Weather Dry	
Date Cleaned 20150915			End Time 14:10		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	0	0	2	0	0
			3	2	6	3	0	0	3	2	6
			4	0	0	4	1	4	4	1	4
			5	0	0	5	0	0	5	0	0
Code	ID	Length	0	0	0	2	2	4	2	2	4
MWLS	F01	12.0									
			Subtotals	2		Subtotals	3		Subtotals	5	
SUMMARY			Pipe Rating	6		Pipe Rating	8		Overall Pipe Rating	14	
			Structural Index	3.0		O&M Index	2.7		Overall Index	2.8	
			Str. Quick Rating	3200		O&M Quick Rating	4122		Ovrl. Quick Rating	4132	