



Defect Listing

Pipe Segment Refere... A-22_A-21	City Oliver Springs	Street Old Harriman Highwa...	Material Fibreglass Reinforc...	Location C... Easement/r...	Sewer Use Sanitary
Upstream MH A-22	Total Length 344	Year Laid	Shape Circular	Location Details	
DS Manhole A-21	Length surveyed 344	Year Renewed	Height 15	Width 15	Pipe Joint... N/A

SPR 3	MPR 42	PO Number 4397-03	Customer GRW
SPRI 1.5	MPRI 2.1	Work Order 4397-02	Purpose Pre-rehabilitation Survey
QSR 2111	QMR 412B		
OPR 45	Surveyed By Charlie-Gordon	Direction Upstream	Date 20151013
OPRI 2	Certificate Number U-615-07000491	Pre-Cleaning No Pre-cleaning	Time 13:45
	Date Cleaned	End Time 14:14	Weather Damp
			Media label
			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: A-21									
0.0 ft.	Water Level				15	<input type="checkbox"/>			
105.9 ft.	Water Level Sag	S01			15	<input type="checkbox"/>			2
139.6 ft.	Camera Underwater				0	<input type="checkbox"/>			4
201.3 ft.	Water Level Sag	F01			15	<input type="checkbox"/>			2
339.5 ft.	Crack Circumferential				0	<input type="checkbox"/>	7	5	1
341.4 ft.	Fracture Circumferential				0	<input type="checkbox"/>	12	5	2
341.4 ft.	Water Level				10	<input type="checkbox"/>			
344.0 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A-22									

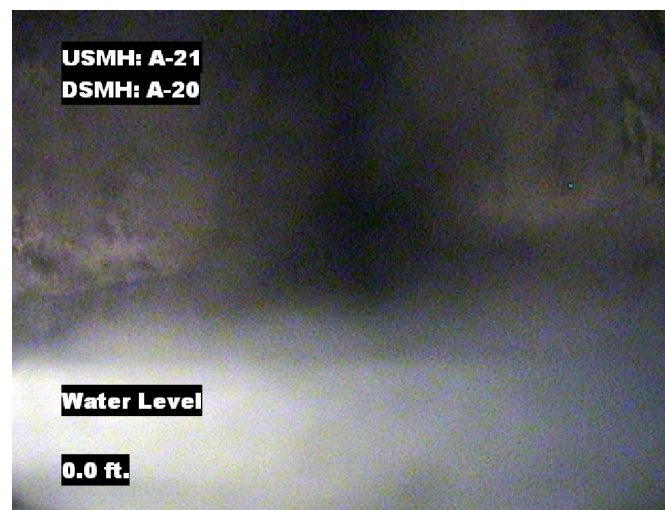


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-22_A-21	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
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DS Manhole A-21	Length surveyed 344	Year Renewed	Height 15	Width 15	Pipe Joint... N/A



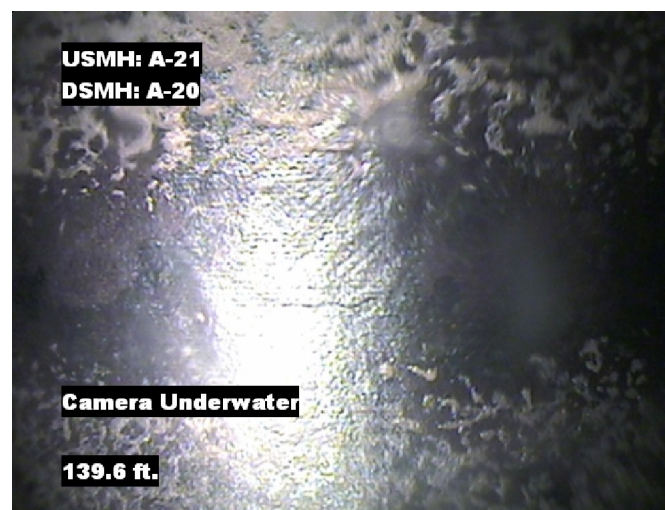
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-21



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



Distance: 105.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

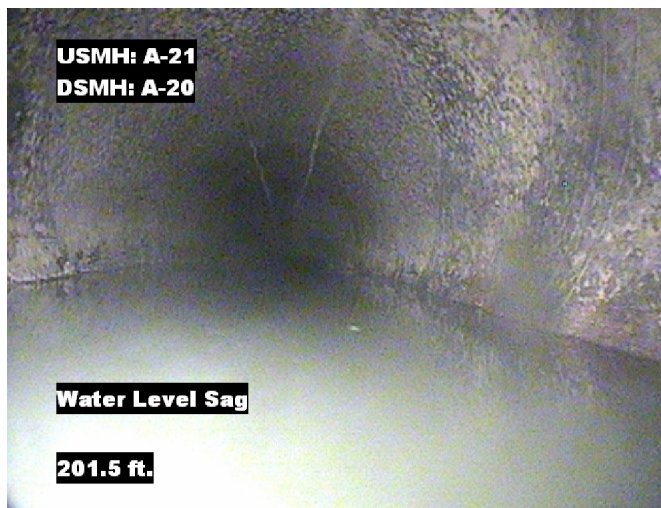


Distance: 139.6 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A

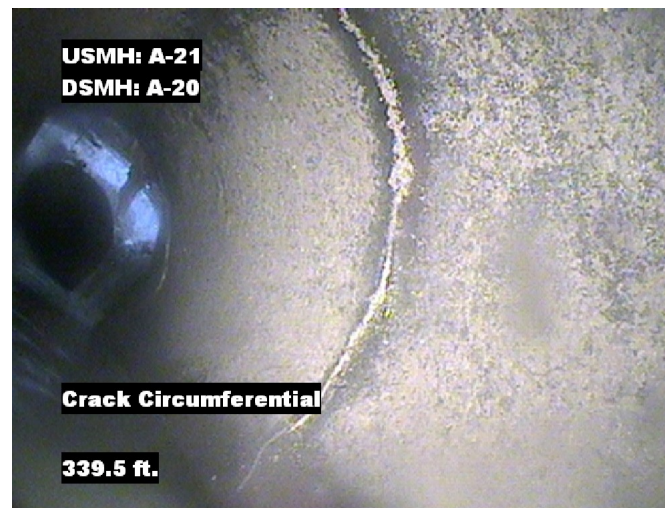


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-22_A-21	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-22	344		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-21	344		15	15	N/A



Distance: 201.3 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 339.5 ft. Grade: 1
Condition: Crack Circumferential
Remarks: N/A



Distance: 341.4 ft. Grade: 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 341.4 ft. Grade: 0
Condition: Water Level
Remarks: N/A



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DS Manhole A-21	Length surveyed 344	Year Renewed	Height 15	Width 15	Pipe Joint...	N/A



Distance: 344.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-22



PACP Conditions

Pipe Segment Refere... A-22_A-21	City Oliver Springs	Street Old Harriman Highwa...	Material Fibreglass Reinforc...	Location C... Easement/r...	Sewer Use Sanitary
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SPRI 1.5	MPRI 2.1	Work Order 4397-02		Purpose Pre-rehabilitation Survey	
QSR 2111	QMR 412B	Direction Upstream		Date 20151013	Media label
OPR 45	Surveyed By Charlie-Gordon	Pre-Cleaning No Pre-cleaning		Time 13:45	Weather Damp
OPRI 2	Certificate Number U-615-07000491	Date Cleaned		End Time 14:14	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	1	1	1	0	0	1	1	1
			2	1	2	2	0	0	2	1	2
			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
Code	ID	Length	0	0	0	2	19	38	2	19	38
MWLS	F01	95.4									
			Subtotals	2		Subtotals	20		Subtotals	22	
SUMMARY			Pipe Rating		3	Pipe Rating		42	Overall Pipe Rating		45
			Structural Index		1.5	O&M Index		2.1	Overall Index		2.0
			Str. Quick Rating		2111	O&M Quick Rating		412B	Ovrl. Quick Rating		412C