



Defect Listing

Pipe Segment Refere... A-13_A-12	City Oliver Springs	Street Old harriman Highwa...	Material Fibreglass Reinforc...	Location C... Easement/R...	Sewer Use Sanitary
Upstream MH A-13	Total Length 349.5	Year Laid	Shape Circular	Location Details	
DS Manhole A-12	Length surveyed 349.5	Year Renewed	Height 15	Width 15	Pipe Joint... N/A

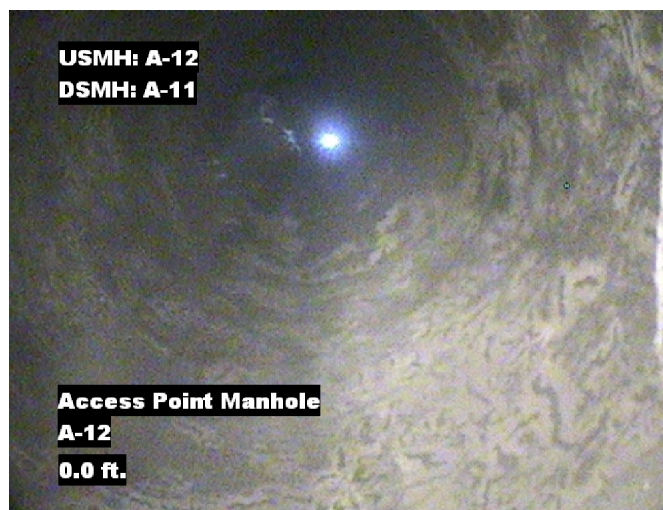
SPR N/A	MPR 41	PO Number 4397-03	Customer GRW
SPRI N/A	MPRI 2.3	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR N/A	QMR 4231		
OPR 41	Surveyed By Charlie Gordon	Direction Downstream	Date 20151012
OPRI 2.3	Certificate Number U-615-07000491	Pre-Cleaning No Pre-Cleaning	Time 09:14
	Date Cleaned	End Time 09:28	Weather Damp
		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-13									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
42.6 ft.	Water Level				15	<input type="checkbox"/>			
54.7 ft.	Water Level Sag	S01			30	<input type="checkbox"/>			2
76.7 ft.	Water Level Sag	F01			30	<input type="checkbox"/>			2
87.2 ft.	Water Level Sag	S02			30	<input type="checkbox"/>			2
98.1 ft.	Camera Underwater					<input type="checkbox"/>			4
111.9 ft.	Water Level Sag	F02			30	<input type="checkbox"/>			2
118.6 ft.	Water Level				10	<input type="checkbox"/>			
123.3 ft.	Camera Underwater				0	<input type="checkbox"/>			4
142.5 ft.	Water Level				5	<input type="checkbox"/>			
169.9 ft.	Water Level Sag	S03			25	<input type="checkbox"/>			2
202.4 ft.	Water Level Sag	F03			25	<input type="checkbox"/>			2
255.4 ft.	Water Level				15	<input type="checkbox"/>			
347.3 ft.	Infiltration Stain				0	<input type="checkbox"/>	12		
347.3 ft.	Infiltration Dripper				0	<input type="checkbox"/>	12		3
347.3 ft.	Water Level				10	<input type="checkbox"/>			
349.5 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A-12									

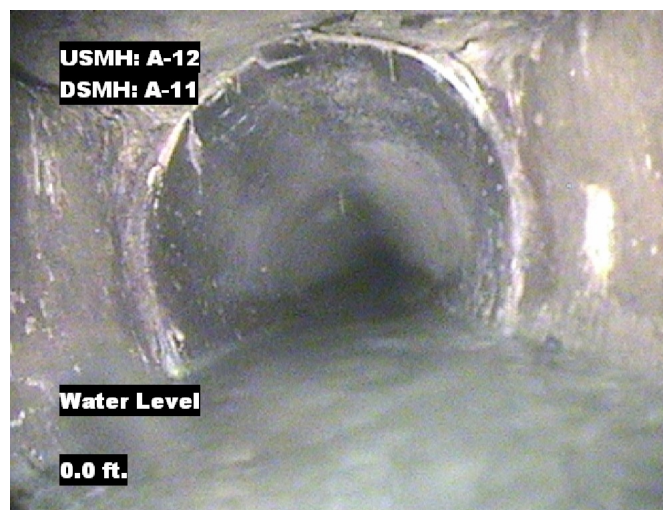


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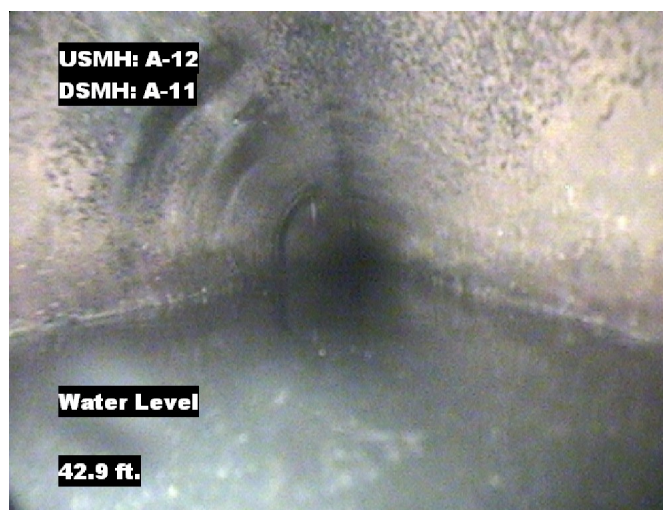
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-13_A-12	Oliver Springs	Old harriman Highwa...	Fibreglass Reinforc...	Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-13	349.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-12	349.5		15	15	N/A



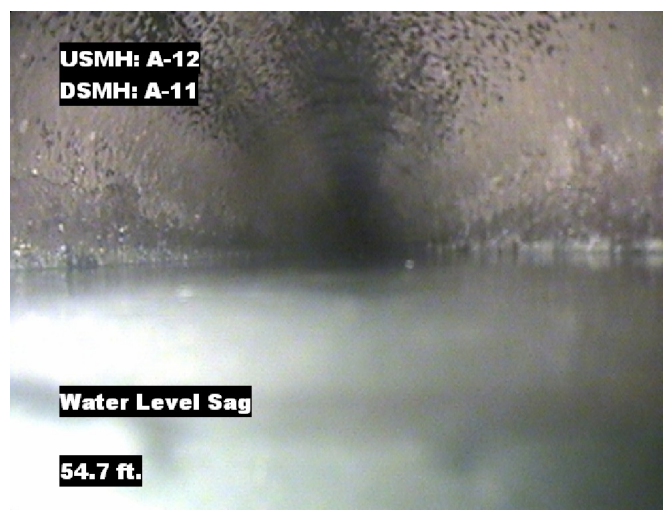
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-13



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



Distance: 42.6 ft. Grade: 0
Condition: Water Level
Remarks: N/A

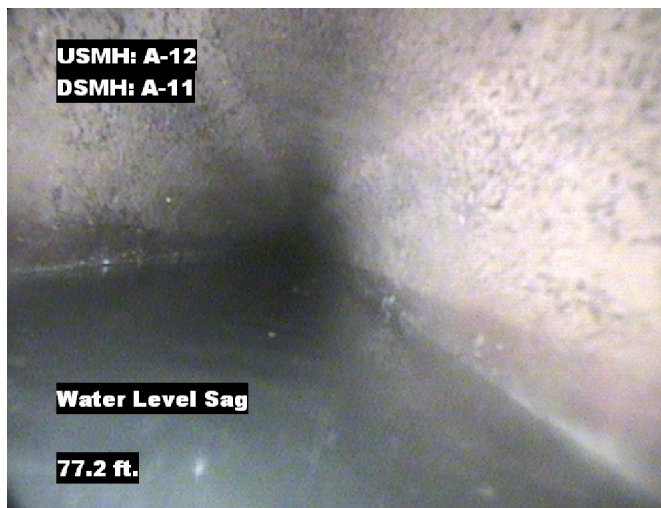


Distance: 54.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-13_A-12	Oliver Springs	Old harriman Highwa...	Fibreglass Reinforc...	Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-13	349.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-12	349.5		15	15	N/A



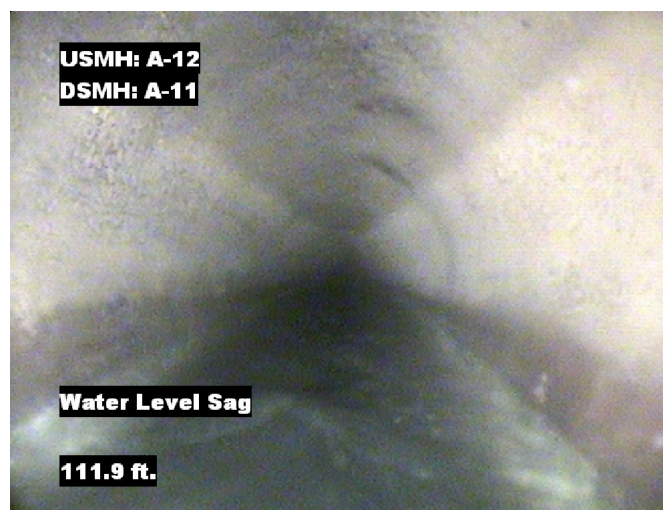
Distance: 76.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 87.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 98.1 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



Distance: 111.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

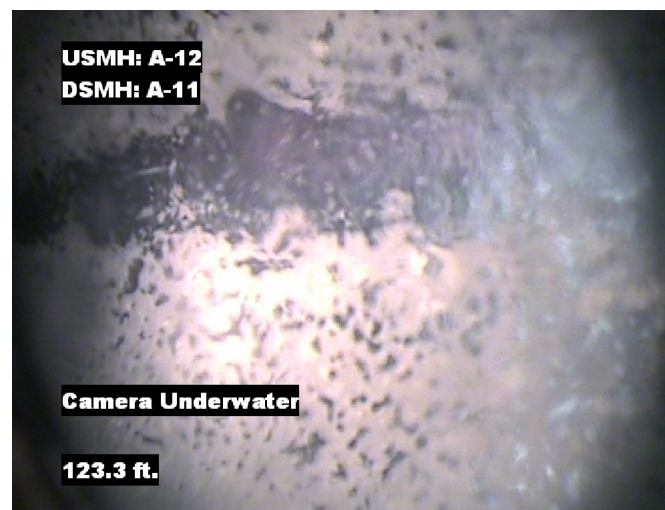


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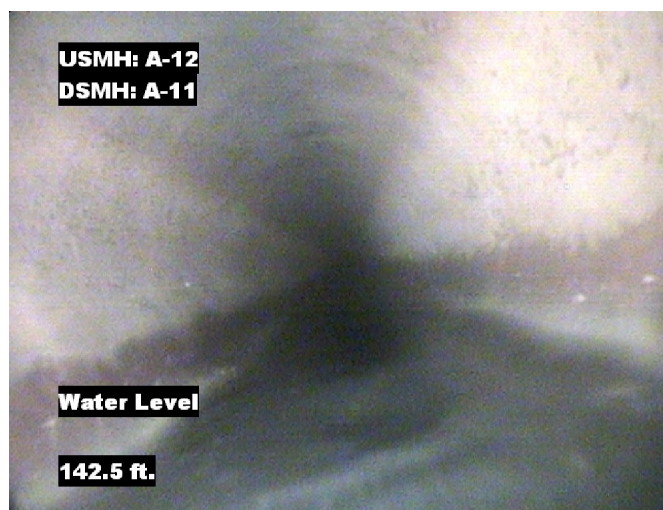
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DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-12	349.5		15	15	N/A



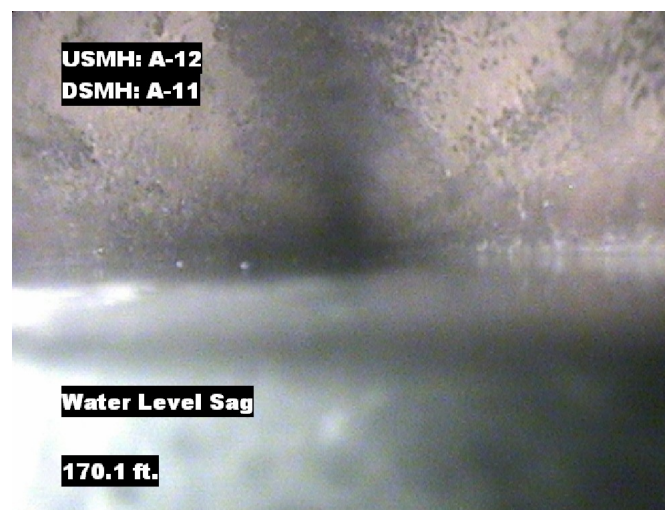
Distance: 118.6 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 123.3 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



Distance: 142.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 169.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

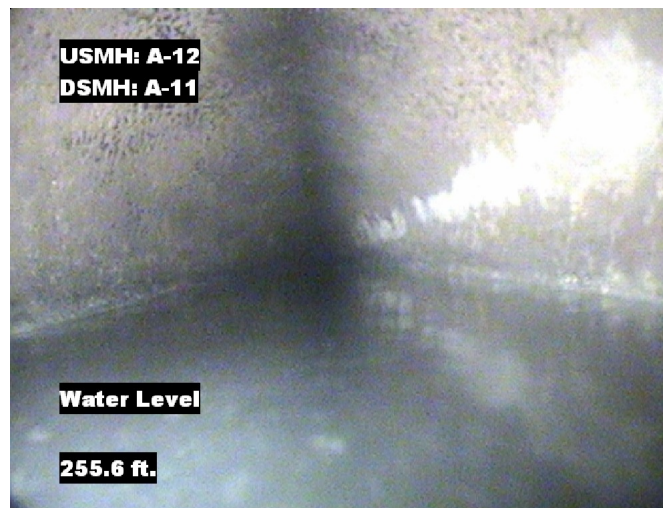


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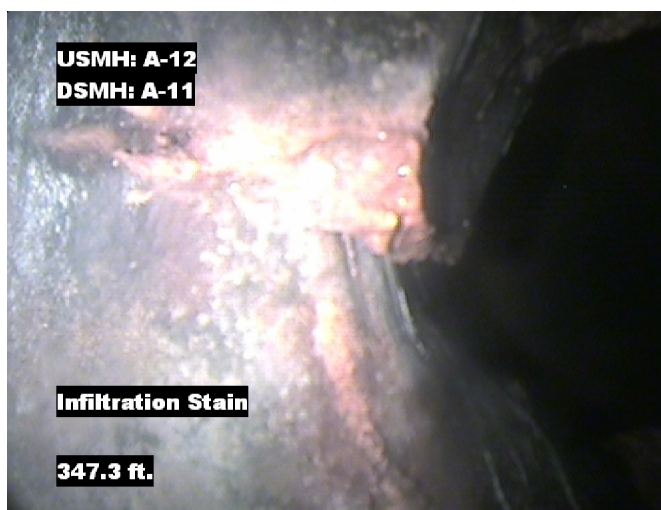
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DS Manhole A-12	Length surveyed 349.5	Year Renewed	Height 15	Width 15	Pipe Joint... N/A



Distance: 202.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 255.4 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 347.3 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 347.3 ft. Grade: 3
Condition: Infiltration Dripper
Remarks: N/A



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Distance: 347.3 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 349.5 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-12



PACP Conditions

Pipe Segment Refere... A-13_A-12	City Oliver Springs	Street Old harriman Highwa...	Material Fibreglass Reinforc...	Location C... Easement/R...	Sewer Use Sanitary
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SPRI N/A	MPRI 2.3	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR N/A	QMR 4231	Direction Downstream		Date 20151012	Media label
OPR 41	Surveyed By Charlie Gordon	Pre-Cleaning No Pre-Cleaning		Time 09:14	Weather Damp
OPRI 2.3	Certificate Number U-615-07000491	Date Cleaned		End Time 09:28	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	0	0	3	1	3	3	1	3
			4	0	0	4	2	8	4	2	8
			5	0	0	5	0	0	5	0	0
Code	ID	Length									
MWLS	F01	22.0	0	0	0	2	4	8	2	4	8
MWLS	F02	24.7	0	0	0	2	5	10	2	5	10
MWLS	F03	32.5	0	0	0	2	6	12	2	6	12
Subtotals				0		Subtotals	18		Subtotals	18	
SUMMARY			Pipe Rating	0		Pipe Rating	41		Overall Pipe Rating	41	
			Structural Index	0		O&M Index	2.3		Overall Index	2.3	
			Str. Quick Rating	0000		O&M Quick Rating	4231		Ovrl. Quick Rating	4231	