



Defect Listing

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-23_A-22	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-23	345.1		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-22	345.1		15	15	N/A

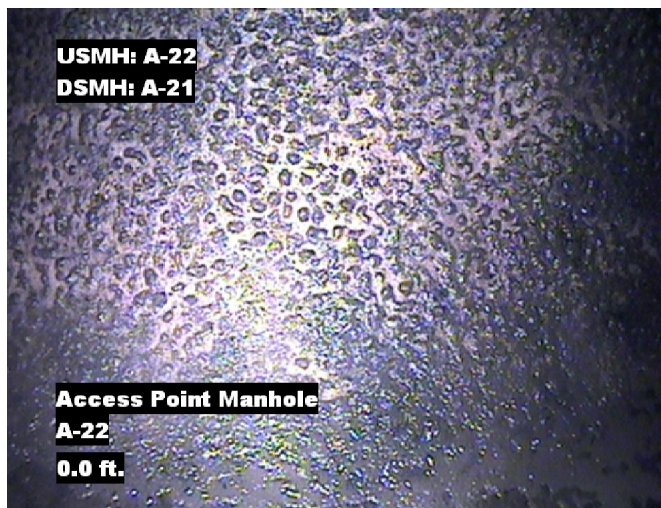
SPR	3	MPR	20	PO Number	Customer
SPRI	3	MPRI	2.2	4397-03	GRW
QSR	3100	QMR	4128	Work Order	Purpose
			4397-02	Pre-rehabilitation Survey	
OPR		Surveyed By	Direction	Date	Media label
23		Charlie-Gordon	Downstream	20151013	
OPRI		Certificate Number	Pre-Cleaning	Time	Weather
2.3		U-615-07000491	No Pre-cleaning	15:15	Damp
Date Cleaned				End Time	Additional Info
				15:33	

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-23									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
139.3 ft.	Water Level Sag	S01			25	<input type="checkbox"/>			2
143.6 ft.	Camera Underwater				0	<input type="checkbox"/>			4
176.0 ft.	Water Level Sag	F01			25	<input type="checkbox"/>			2
179.2 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	3		3
195.8 ft.	Deposits Attached Grease				5	<input type="checkbox"/>	3		2
232.7 ft.	Water Level				10	<input type="checkbox"/>			
341.8 ft.	Water Level				5	<input type="checkbox"/>			
345.1 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A-22									

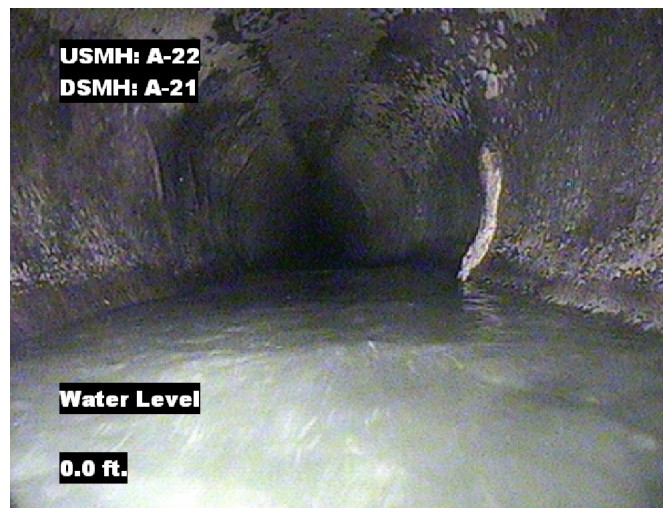


Image Report 4/Page

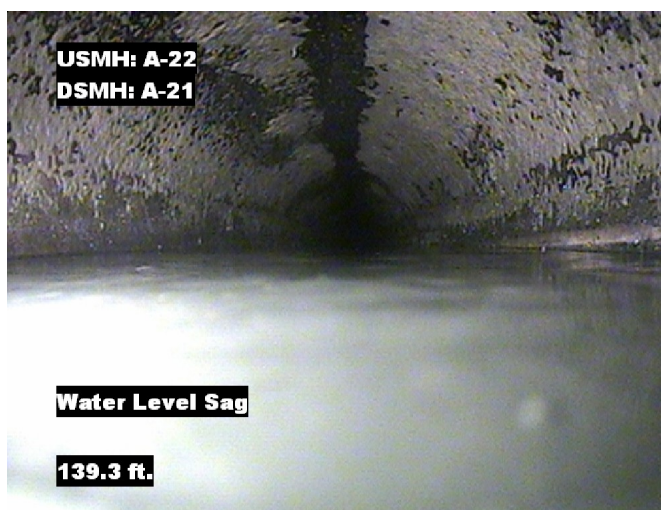
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-23_A-22	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
Upstream MH A-23	Total Length 345.1	Year Laid	Shape Circular	Location Details	
DS Manhole A-22	Length surveyed 345.1	Year Renewed	Height 15	Width 15	Pipe Joint... N/A



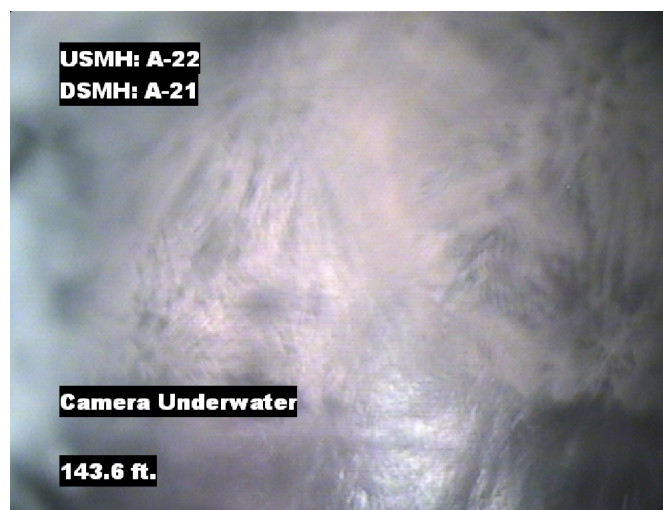
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-23



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



Distance: 139.3 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

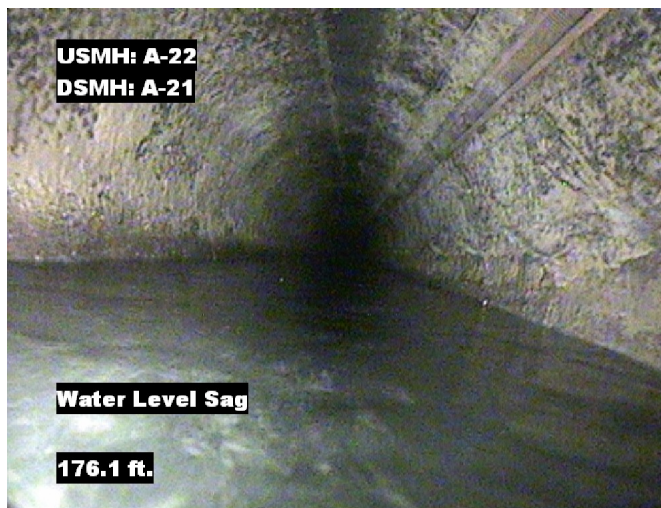


Distance: 143.6 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-23_A-22	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-23	345.1		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-22	345.1		15	15	N/A



Distance: 176.0 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 179.2 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 195.8 ft. Grade: 2
Condition: Deposits Attached Grease
Remarks: N/A

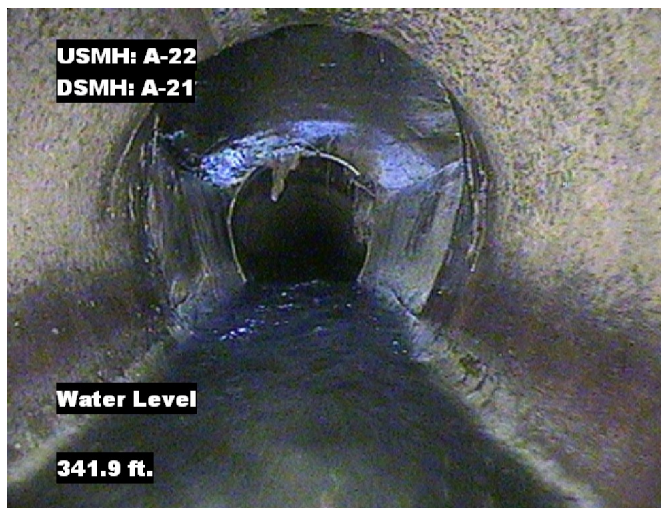


Distance: 232.7 ft. Grade: 0
Condition: Water Level
Remarks: N/A

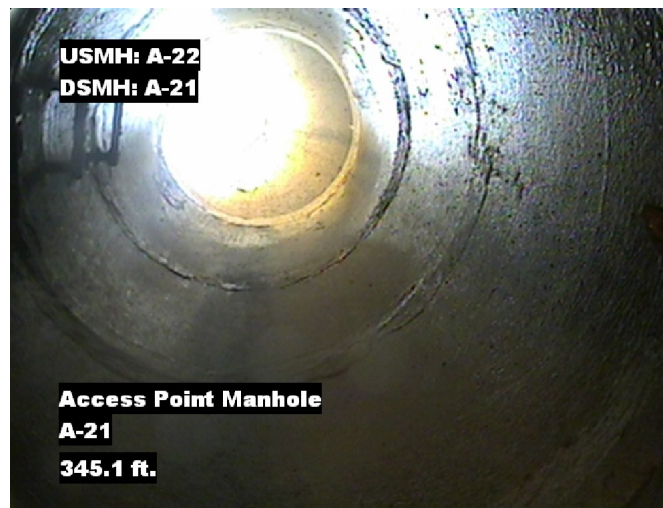


Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-23_A-22	Oliver Springs	Old Harriman Highwa...	Fibreglass Reinforc...	Easement/r...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-23	345.1		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-22	345.1		15	15	N/A



Distance: 341.8 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 345.1 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-22



PACP Conditions

Pipe Segment Refere... A-23_A-22	City Oliver Springs	Street Old Harriman Highwa...	Material Fibreglass Reinforc...	Location C... Easement/r...	Sewer Use Sanitary
Upstream MH A-23	Total Length 345.1	Year Laid	Shape Circular	Location Details	
DS Manhole A-22	Length surveyed 345.1	Year Renewed	Height 15	Width 15	Pipe Joint... N/A
SPR 3	MPR 20	PO Number 4397-03		Customer GRW	
SPRI 3	MPRI 2.2	Work Order 4397-02		Purpose Pre-rehabilitation Survey	
QSR 3100	QMR 4128				
OPR 23	Surveyed By Charlie-Gordon	Direction Downstream	Date 20151013	Media label	
OPRI 2.3	Certificate Number U-615-07000491	Pre-Cleaning No Pre-cleaning	Time 15:15	Weather Damp	
Date Cleaned			End Time 15:33	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	1	2	2	1	2
			3	1	3	3	0	0	3	1	3
			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	7	14	2	7	14
MWLS	F01	36.7									
			Subtotals	1		Subtotals	9		Subtotals	10	
SUMMARY			Pipe Rating		3	Pipe Rating		20	Overall Pipe Rating		23
			Structural Index		3.0	O&M Index		2.2	Overall Index		2.3
			Str. Quick Rating		3100	O&M Quick Rating		4128	Ovrl. Quick Rating		4131