



## Defect Listing

Pipe Segment Refere... <b>A-53_A-52</b>	City <b>Oliver Springs</b>	Street <b>Winrock Rd</b>	Material <b>Concrete Pipe (non-...</b>	Location C... <b>Light High...</b>	Sewer Use <b>Sanitary</b>
Upstream MH <b>A-53</b>	Total Length <b>275.5</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>A-52</b>	Length surveyed <b>275.5</b>	Year Renewed	Height <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>

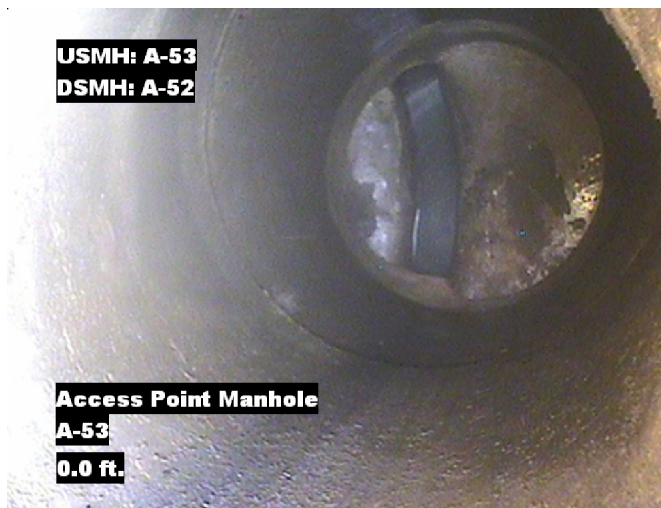
SPR <b>1</b>	MPR <b>29</b>	PO Number <b>4397-03</b>	Customer <b>GRW</b>
SPRI <b>1</b>	MPRI <b>2.4</b>	Work Order <b>4397-02</b>	Purpose <b>Pre-Rehabilitation Survey</b>
QSR <b>1100</b>	QMR <b>4232</b>		
OPR <b>30</b>	Surveyed By <b>Charlie Gordon</b>	Direction <b>Downstream</b>	Date <b>20150825</b>
OPRI <b>2.3</b>	Certificate Number <b>U-615-07000491</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>07:46</b>
	Date Cleaned <b>20150825</b>	End Time <b>08:04</b>	Weather <b>Damp</b>
		Additional Info <b>MAPPING SHOWS DOWNS..</b>	

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-53									
0.0 ft.	Water Level				30	<input type="checkbox"/>			
3.0 ft.	Roots Fine Joint				0	<input checked="" type="checkbox"/>	10	2	1
6.0 ft.	Water Level Sag				55	<input type="checkbox"/>			4
6.0 ft.	Camera Underwater				0	<input type="checkbox"/>			4
12.3 ft.	Water Level				20	<input type="checkbox"/>			
127.4 ft.	Water Level Sag				15	<input type="checkbox"/>			2
136.3 ft.	Water Level Sag	S01			30	<input type="checkbox"/>			2
142.0 ft.	Water Level Sag	F01			30	<input type="checkbox"/>			2
162.3 ft.	Water Level Sag				20	<input type="checkbox"/>			2
169.5 ft.	Water Level Sag	S02			35	<input type="checkbox"/>			3
180.7 ft.	Water Level Sag	F02			35	<input type="checkbox"/>			3
180.7 ft.	Joint Offset Medium				0	<input type="checkbox"/>			1
196.3 ft.	Water Level Sag				15	<input type="checkbox"/>			2
246.5 ft.	Water Level Sag	S03			15	<input type="checkbox"/>			2
263.8 ft.	Water Level Sag	F03			15	<input type="checkbox"/>			2
274.4 ft.	Water Level				10	<input type="checkbox"/>			
275.5 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A-51									

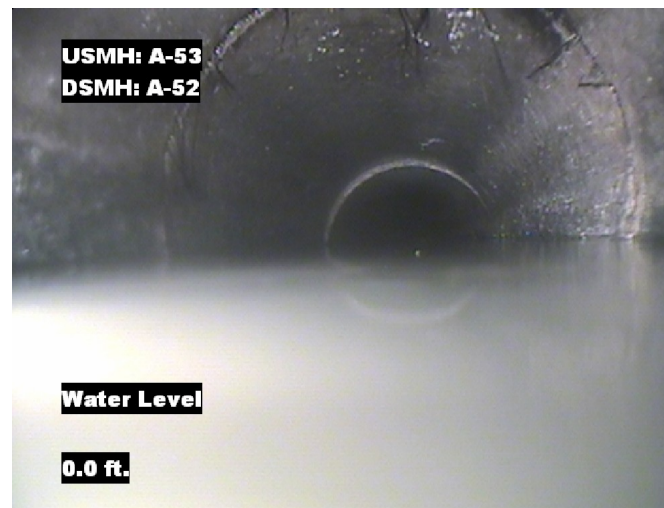


## Image Report 4/Page

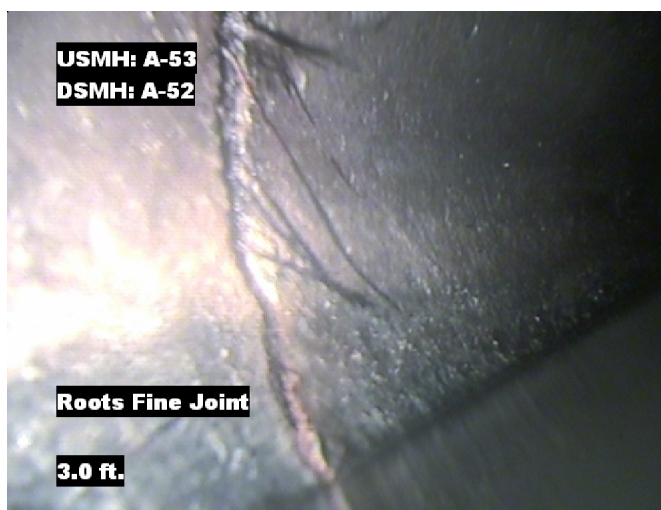
Pipe Segment Refere... <b>A-53_A-52</b>	<b>City</b> <b>Oliver Springs</b>	<b>Street</b> <b>Winrock Rd</b>	<b>Material</b> <b>Concrete Pipe (non-...</b>		<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Sanitary</b>
<b>Upstream MH</b> <b>A-53</b>	Total Length <b>275.5</b>	Year Laid	<b>Shape</b> <b>Circular</b>		Location Details	
<b>DS Manhole</b> <b>A-52</b>	<b>Length surveyed</b> <b>275.5</b>	Year Renewed	<b>Height</b> <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>	



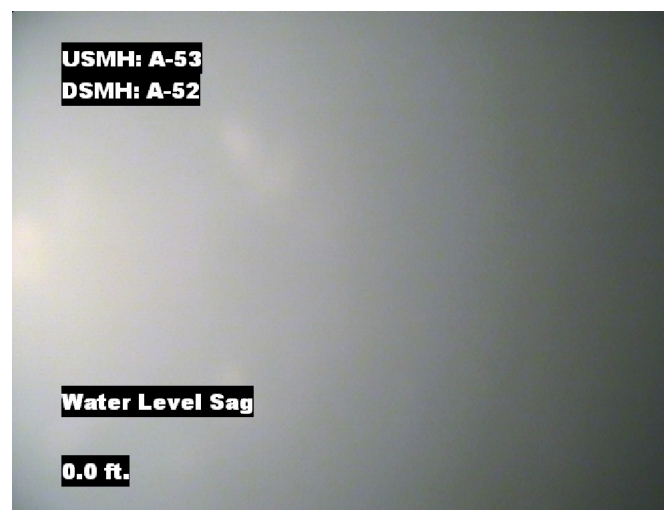
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: A-53



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



Distance: 3.0 ft. Grade: 1  
Condition: Roots Fine Joint  
Remarks: N/A



Distance: 6.0 ft. Grade: 4  
Condition: Water Level Sag  
Remarks: N/A

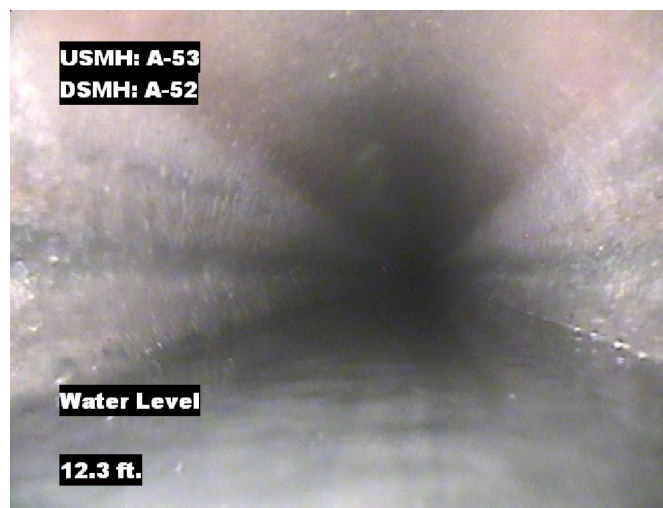


## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-53_A-52	Oliver Springs	Winrock Rd	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-53	275.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-52	275.5		8	8	4



Distance: 6.0 ft. Grade: 4  
Condition: Camera Underwater  
Remarks: N/A



Distance: 12.3 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 127.4 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



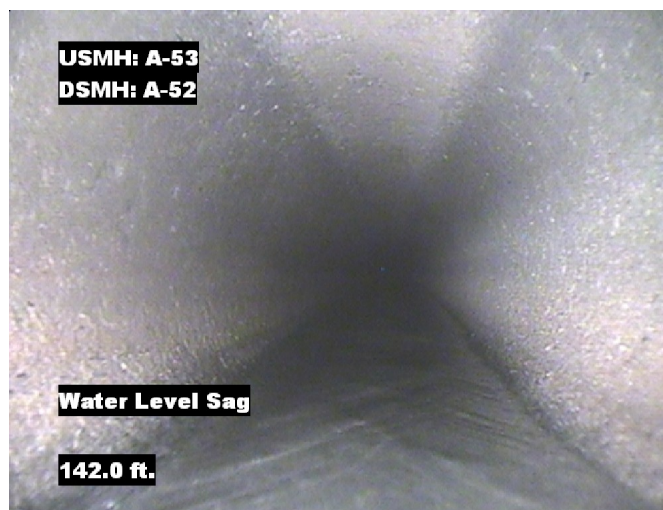
Distance: 136.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



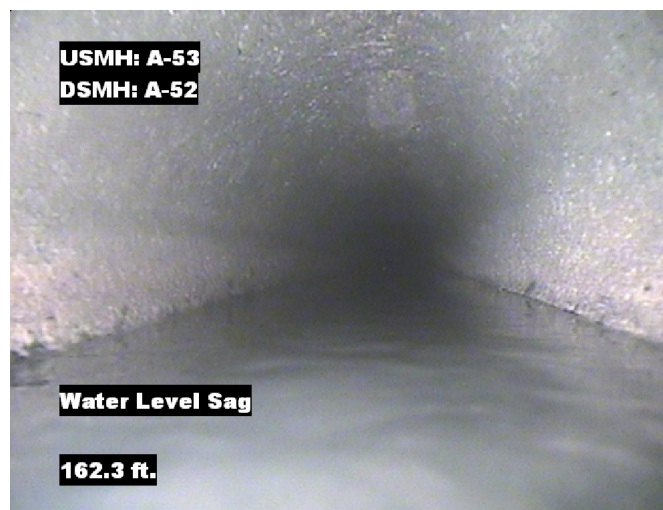


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-53_A-52	Oliver Springs	Winrock Rd	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-53	275.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-52	275.5		8	8	4



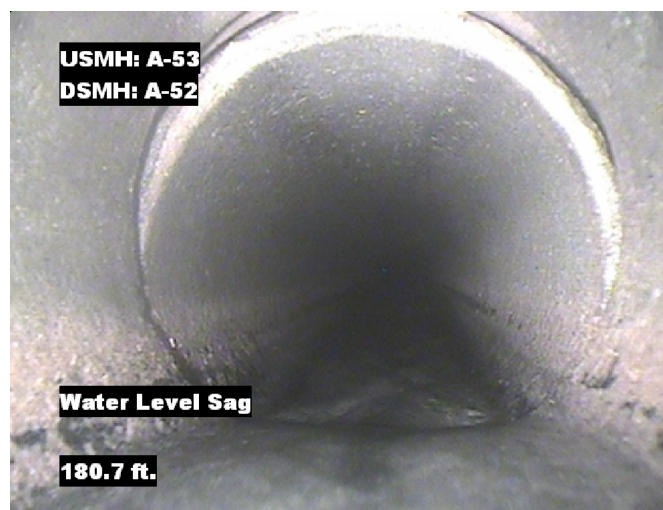
Distance: 142.0 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 162.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 169.5 ft. Grade: 3  
Condition: Water Level Sag  
Remarks: N/A

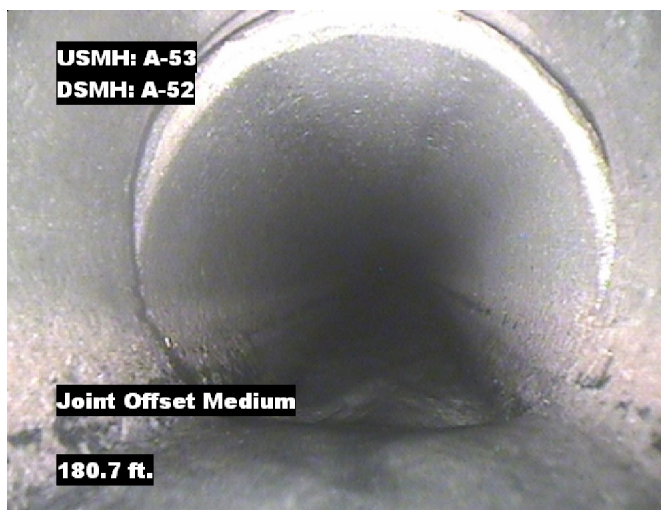


Distance: 180.7 ft. Grade: 3  
Condition: Water Level Sag  
Remarks: N/A

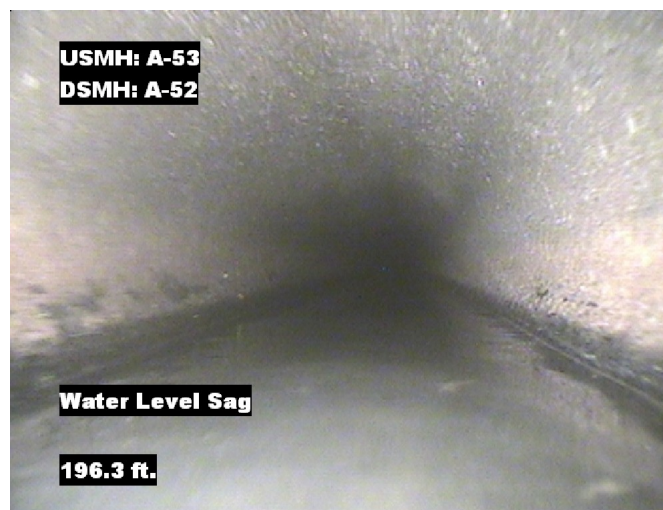


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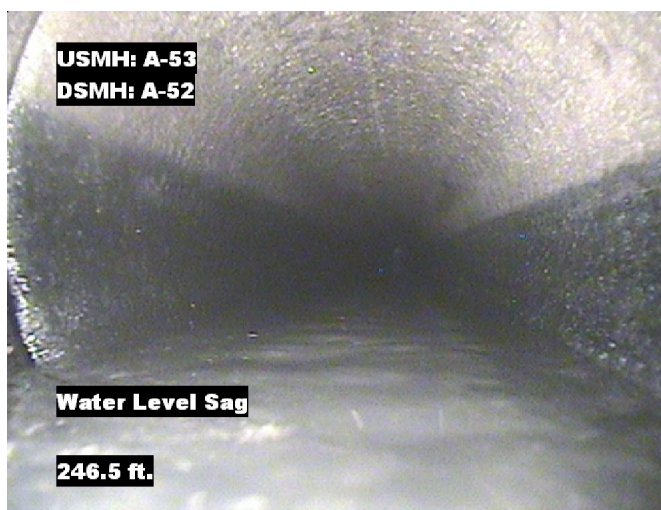
Pipe Segment Refere... <b>A-53_A-52</b>	<b>City</b> <b>Oliver Springs</b>	<b>Street</b> <b>Winrock Rd</b>	<b>Material</b> <b>Concrete Pipe (non-...</b>		<b>Location C...</b> <b>Light High...</b>	<b>Sewer Use</b> <b>Sanitary</b>
<b>Upstream MH</b> <b>A-53</b>	Total Length <b>275.5</b>	Year Laid	<b>Shape</b> <b>Circular</b>		Location Details	
<b>DS Manhole</b> <b>A-52</b>	<b>Length surveyed</b> <b>275.5</b>	Year Renewed	<b>Height</b> <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>	



Distance: 180.7 ft. Grade: 1  
Condition: Joint Offset Medium  
Remarks: N/A



Distance: 196.3 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 246.5 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



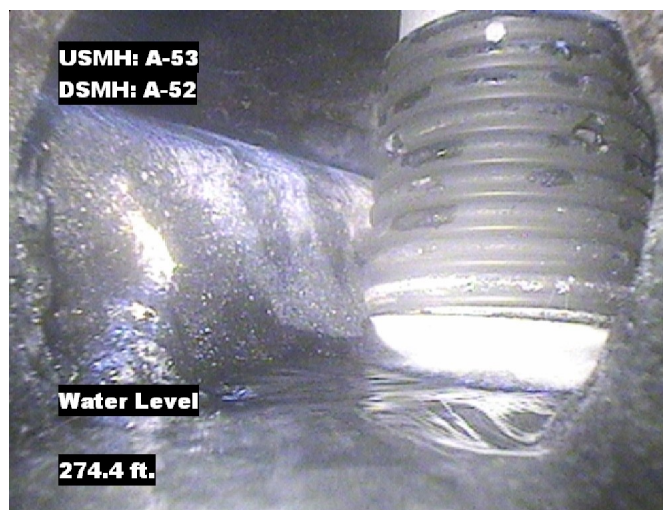
Distance: 263.8 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



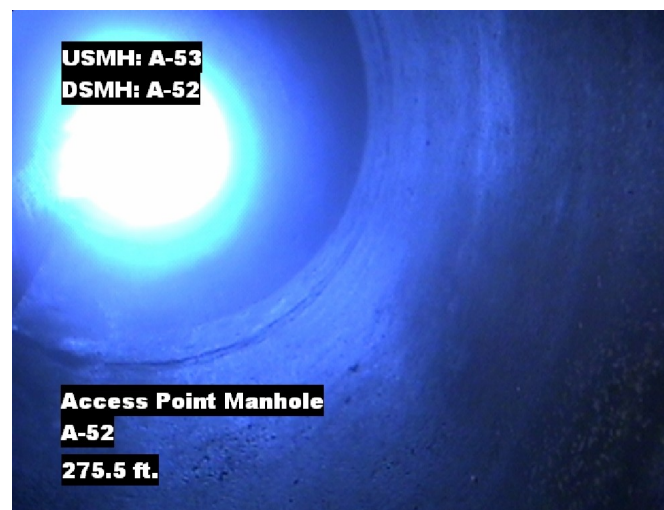


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>A-53_A-52</b>	<b>Oliver Springs</b>	<b>Winrock Rd</b>	<b>Concrete Pipe (non-...</b>	<b>Light High...</b>	<b>Sanitary</b>
<b>Upstream MH</b>	Total Length	Year Laid	<b>Shape</b>	Location Details	
<b>A-53</b>	<b>275.5</b>		<b>Circular</b>		
<b>DS Manhole</b>	<b>Length surveyed</b>	Year Renewed	<b>Height</b>	Width	Pipe Joint...
<b>A-52</b>	<b>275.5</b>		<b>8</b>	<b>8</b>	<b>4</b>



Distance: 274.4 ft.      Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 275.5 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: A-51



## PACP Conditions

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
A-53_A-52	Oliver Springs	Winrock Rd	Concrete Pipe (non-...		Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
A-53	275.5		Circular			
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
A-52	275.5		8	8	4	

SPR	1	MPR	29	PO Number		Customer	
SPRI	1	MPRI	2.4	4397-03		GRW	
QSR	1100	QMR	4232	Work Order		Purpose	
				4397-02		Pre-Rehabilitation Survey	
OPR		Surveyed By		Direction	Date	Media label	
30		Charlie Gordon		Downstream	20150825		
OPRI		Certificate Number		Pre-Cleaning	Time	Weather	
2.3		U-615-07000491		Heavy Cleaning	07:46	Damp	
Date Cleaned				End Time		Additional Info	
20150825				08:04		MAPPING SHOWS DOWNS.	

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	1	1	1	2	2
			2	0	0	2	3	6	2	3	6
			3	0	0	3	0	0	3	0	0
			4	0	0	4	2	8	4	2	8
			5	0	0	5	0	0	5	0	0
Code	ID	Length	0	0	0	2	1	2	2	1	2
MWLS	F01	5.7									
MWLS	F02	11.2									
MWLS	F03	17.3									