



## Defect Listing

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4

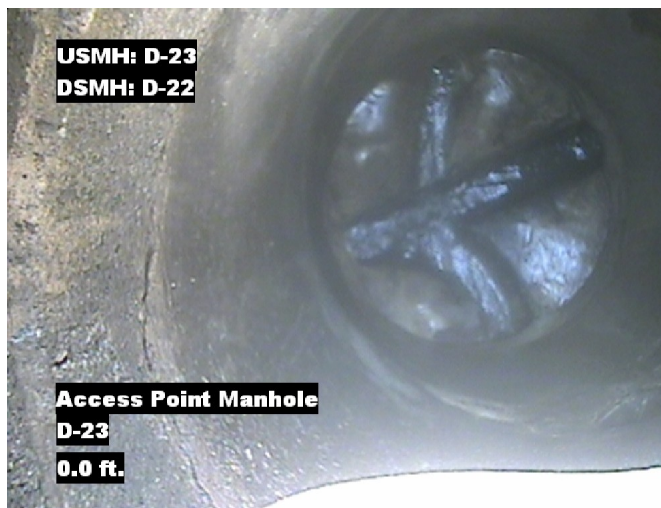
SPR	4	MPR	18	PO Number	Customer
SPRI	2	MPRI	2.6	4397-03	GRW
QSR	3111	QMR	4231	Work Order	Purpose
				4397-02	Pre-Rehabilitation Survey
OPR		Surveyed By	Direction	Date	Media label
22		Barry Rogers	Downstream	20150624	
OPRI		Certificate Number	Pre-Cleaning	Time	Weather
2.4		U-1012-16405	Heavy Cleaning	15:03	Dry
		Date Cleaned		End Time	Additional Info
		20150624		15:24	

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: D-23									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
21.7 ft.	Hole				0	<input type="checkbox"/>	11		3
65.7 ft.	Water Level Sag				20	<input type="checkbox"/>			2
82.2 ft.	Water Level Sag				35	<input type="checkbox"/>			3
84.1 ft.	Camera Underwater				0	<input type="checkbox"/>			4
87.8 ft.	Water Level Sag				60	<input type="checkbox"/>			4
91.9 ft.	Joint Offset Medium				0	<input type="checkbox"/>			1
96.2 ft.	Tap Break-In		6		0	<input type="checkbox"/>	10		
101.2 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	3		
133.7 ft.	Water Level Sag				15	<input type="checkbox"/>			2
166.7 ft.	Water Level Sag	S01			20	<input type="checkbox"/>			2
171.6 ft.	Water Level Sag	F01			20	<input type="checkbox"/>			2
172.0 ft.	Roots Fine Joint				0	<input checked="" type="checkbox"/>	1	11	1
208.9 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	3		
Remarks: debris									
263.3 ft.	Water Level				10	<input type="checkbox"/>			
266.6 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: D-22									

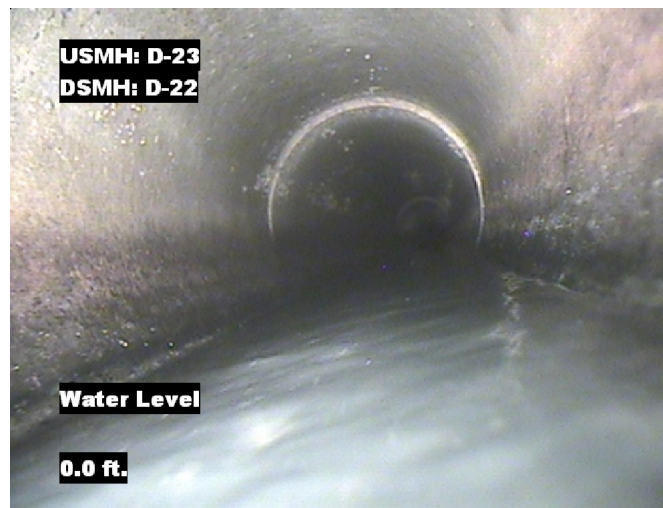


## Image Report 4/Page

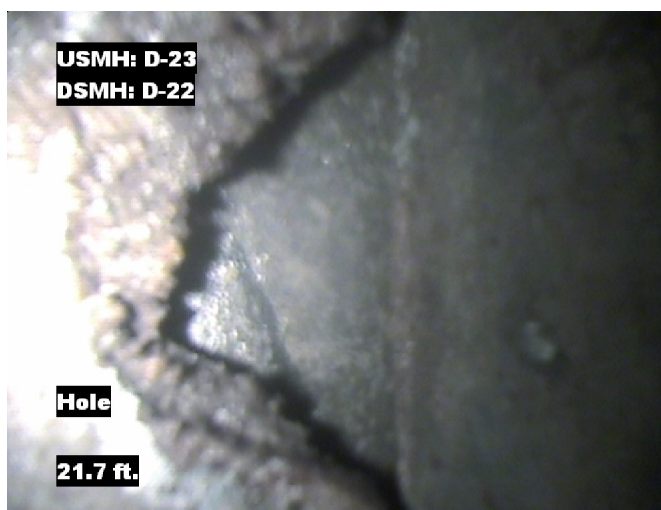
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4



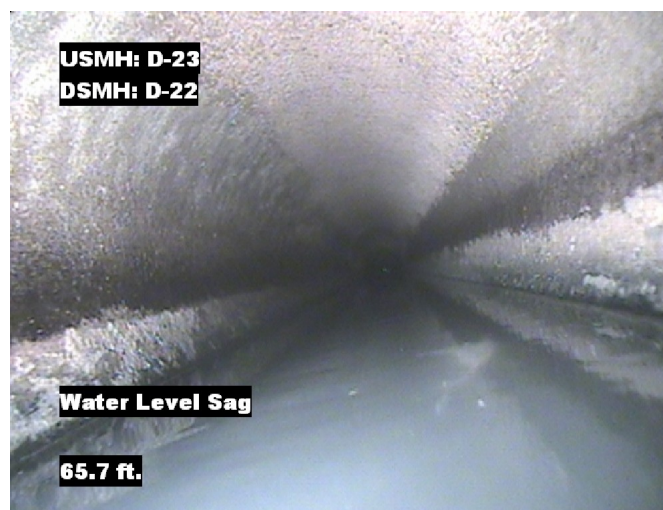
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: D-23



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



Distance: 21.7 ft. Grade: 3  
Condition: Hole  
Remarks: N/A

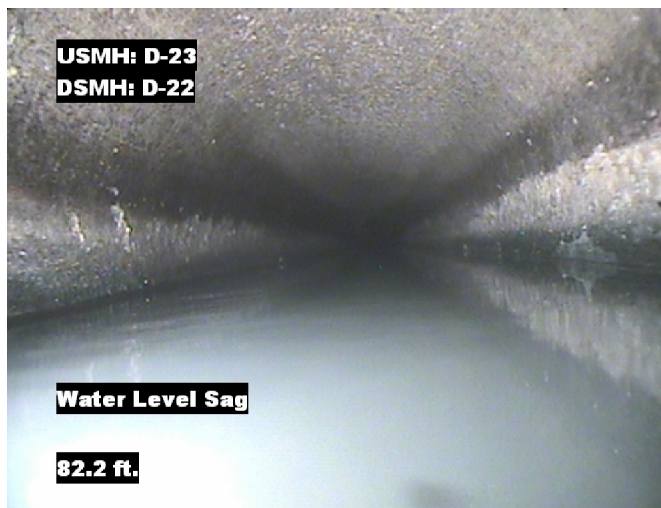


Distance: 65.7 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A

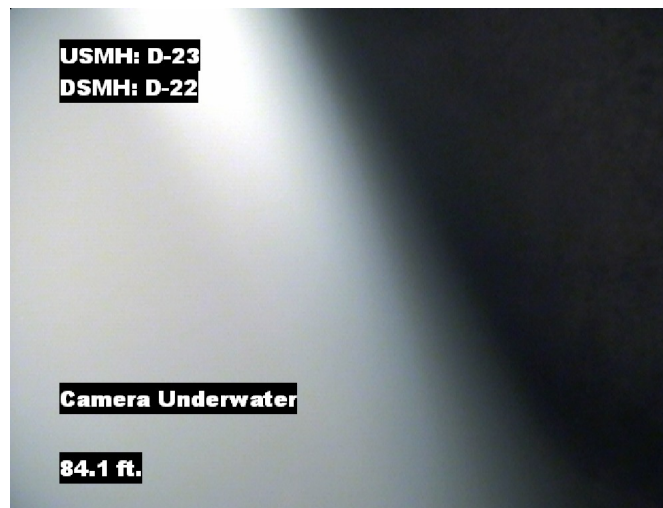


## Image Report 4/Page

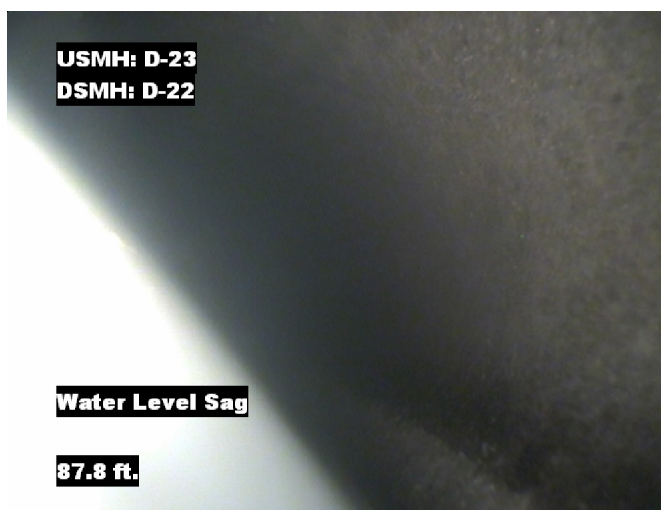
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4



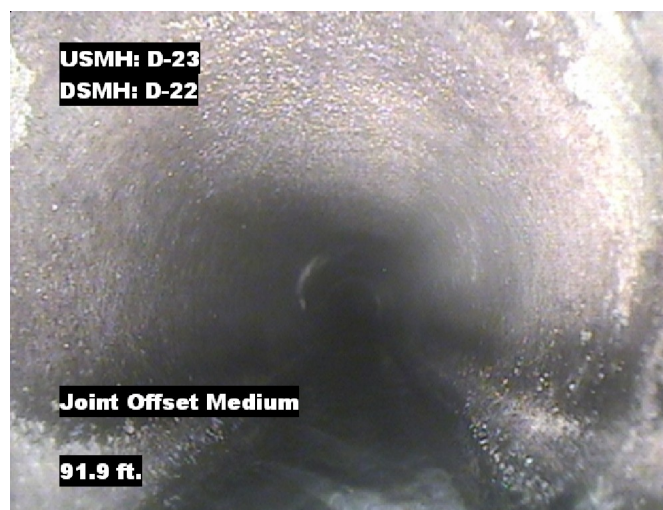
Distance: 82.2 ft. Grade: 3  
Condition: Water Level Sag  
Remarks: N/A



Distance: 84.1 ft. Grade: 4  
Condition: Camera Underwater  
Remarks: N/A



Distance: 87.8 ft. Grade: 4  
Condition: Water Level Sag  
Remarks: N/A



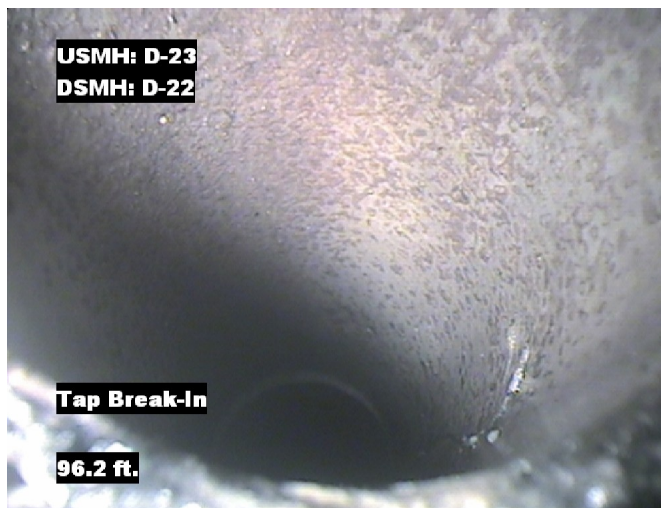
Distance: 91.9 ft. Grade: 1  
Condition: Joint Offset Medium  
Remarks: N/A





## Image Report 4/Page

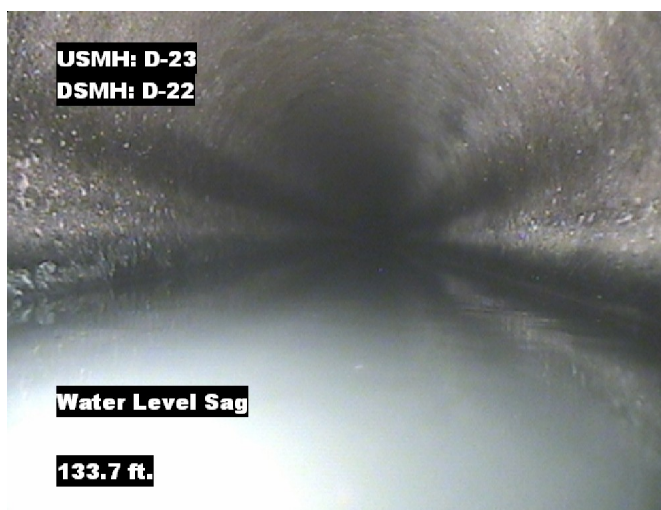
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4



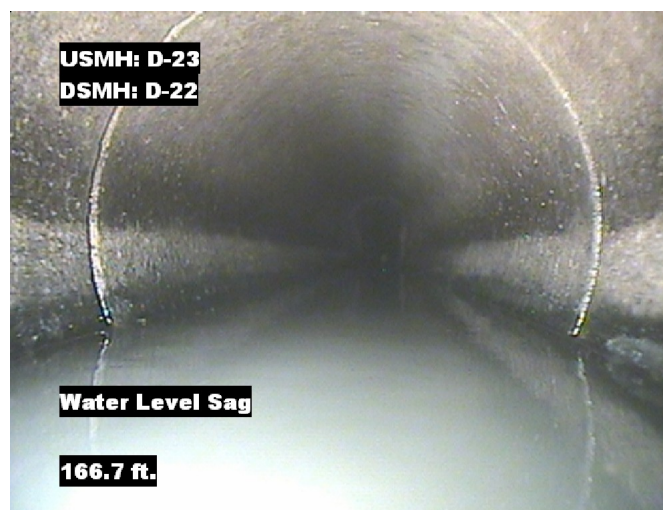
Distance: 96.2 ft. Grade: 0  
Condition: Tap Break-In  
Remarks: N/A



Distance: 101.2 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 133.7 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 166.7 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4



Distance: 171.6 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 172.0 ft. Grade: 1  
Condition: Roots Fine Joint  
Remarks: N/A



Distance: 208.9 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: debris



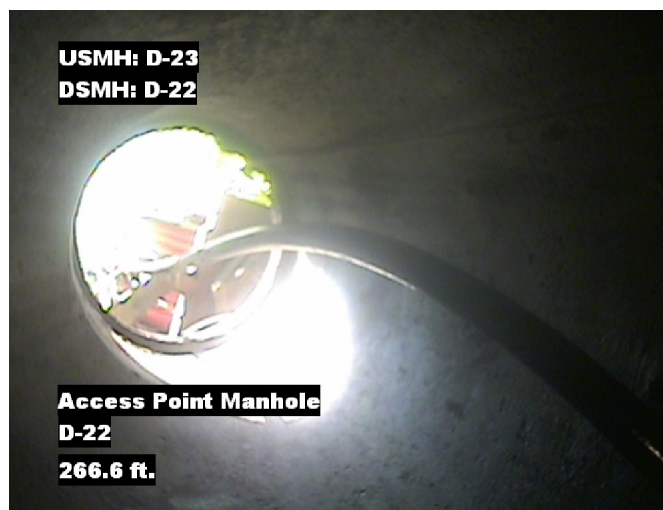
Distance: 263.3 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A





## Image Report 4/Page

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D-23_D-22	Oliver Springs	Oliver DR	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D-23	266.6		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D-22	266.6		8	8	4



Distance: 266.6 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: D-22



## PACP Conditions

Pipe Segment Refere... <b>D-23_D-22</b>	City <b>Oliver Springs</b>	Street <b>Oliver DR</b>	Material <b>Concrete Pipe (non-...</b>	Location C... <b>Light High...</b>	Sewer Use <b>Sanitary</b>
Upstream MH <b>D-23</b>	Total Length <b>266.6</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>D-22</b>	Length surveyed <b>266.6</b>	Year Renewed	Height <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>
SPR <b>4</b>	MPR <b>18</b>	PO Number <b>4397-03</b>		Customer <b>GRW</b>	
SPRI <b>2</b>	MPRI <b>2.6</b>	Work Order <b>4397-02</b>		Purpose <b>Pre-Rehabilitation Survey</b>	
QSR <b>3111</b>	QMR <b>4231</b>				
OPR <b>22</b>	Surveyed By <b>Barry Rogers</b>	Direction <b>Downstream</b>	Date <b>20150624</b>	Media label	
OPRI <b>2.4</b>	Certificate Number <b>U-1012-16405</b>	Pre-Cleaning <b>Heavy Cleaning</b>	Time <b>15:03</b>	Weather <b>Dry</b>	
Date Cleaned <b>20150624</b>			End Time <b>15:24</b>	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	1	1	1	2	2
			2	0	0	2	2	4	2	2	4
			3	1	3	3	1	3	3	2	6
			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	4.9									
			Subtotals	2		Subtotals	7		Subtotals	9	
SUMMARY			Pipe Rating		4	Pipe Rating		18	Overall Pipe Rating		22
			Structural Index		2.0	O&M Index		2.6	Overall Index		2.4
			Str. Quick Rating		3111	O&M Quick Rating		4231	Ovrl. Quick Rating		4232