



## Defect Listing

Pipe Segment Refere... <b>D4-5_D4-4</b>	City <b>Oliver Springs</b>	Street <b>Haven Rd</b>	Material <b>Concrete Pipe (non-...</b>	Location C... <b>Light High...</b>	Sewer Use <b>Sanitary</b>
Upstream MH <b>D4-5</b>	Total Length <b>340.5</b>	Year Laid	Shape <b>Circular</b>	Location Details	
DS Manhole <b>D4-4</b>	Length surveyed <b>340.5</b>	Year Renewed	Height <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>

SPR <b>1</b>	MPR <b>N/A</b>	PO Number <b>4397-03</b>	Customer <b>GRW</b>
SPRI <b>1</b>	MPRI <b>N/A</b>	Work Order <b>4397-02</b>	Purpose <b>Pre-Rehabilitation Survey</b>
QSR <b>1100</b>	QMR <b>N/A</b>		
OPR <b>1</b>	Surveyed By <b>Barry Rogers</b>	Direction <b>Downstream</b>	Date <b>20150629</b>
OPRI <b>1</b>	Certificate Number <b>U-1012-16405</b>	Pre-Cleaning <b>Jetting</b>	Time <b>14:49</b>
	Date Cleaned <b>20150629</b>	End Time <b>15:14</b>	Weather <b>Dry</b>
			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: D4-5									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
4.0 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
45.5 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
129.0 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	3		
184.5 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	12		
253.7 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
296.3 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	3		
337.7 ft.	Crack Circumferential				0	<input type="checkbox"/>	6	5	1
339.6 ft.	Water Level				5	<input type="checkbox"/>			
339.7 ft.	Tap Factory Made		8			<input type="checkbox"/>	6		
Remarks: drop line									
340.5 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: D4-4									

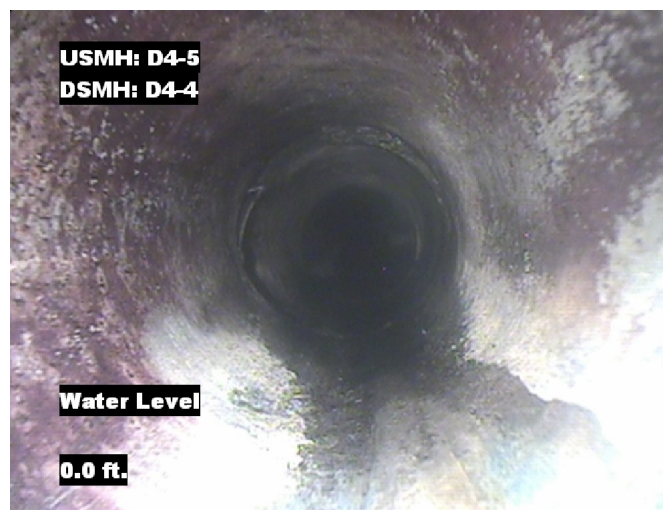


## Image Report 4/Page

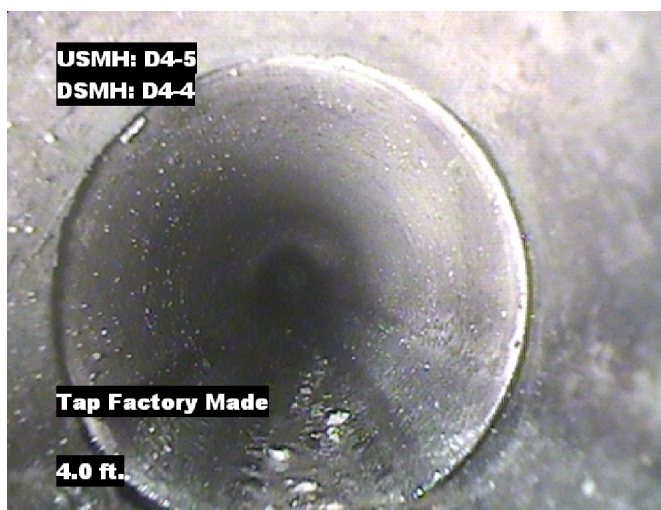
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D4-5_D4-4	Oliver Springs	Haven Rd	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D4-5	340.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D4-4	340.5		8	8	4



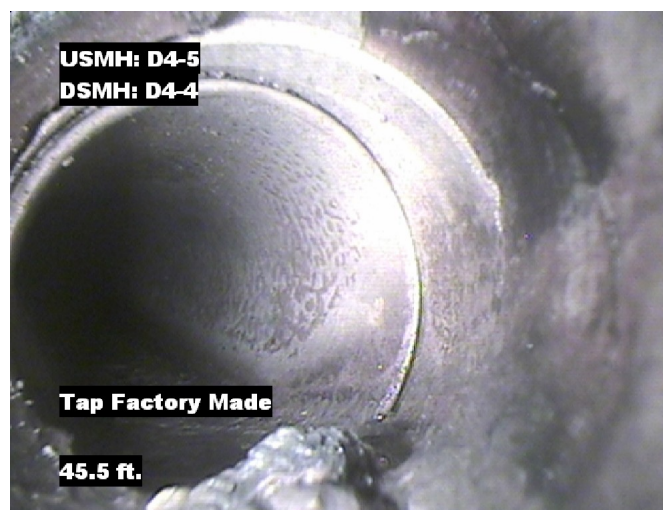
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: D4-5



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



Distance: 4.0 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



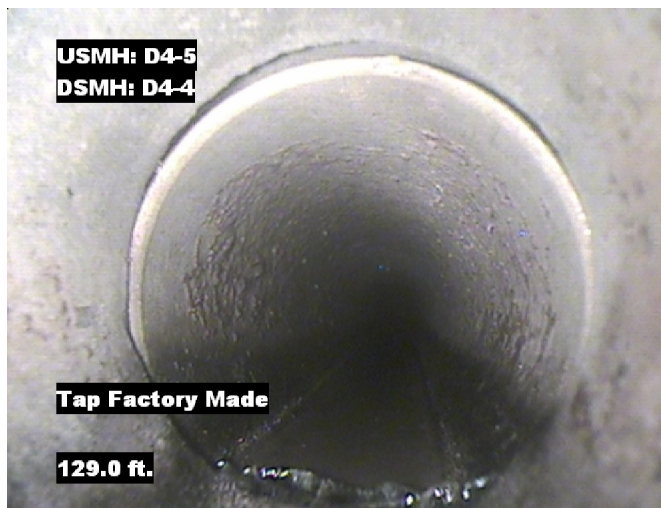
Distance: 45.5 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



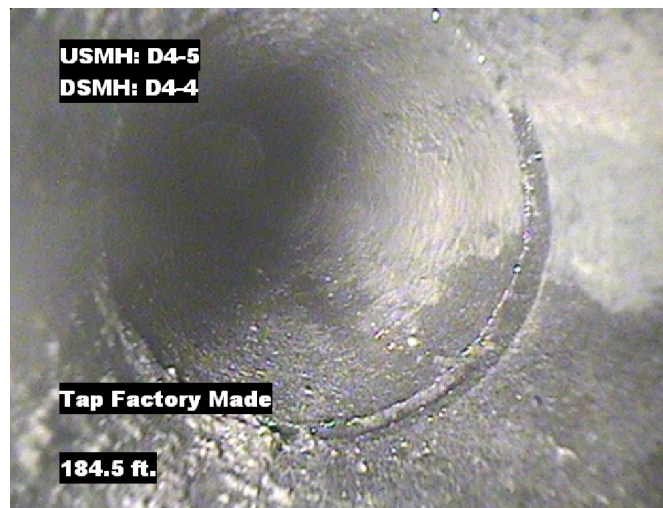


## Image Report 4/Page

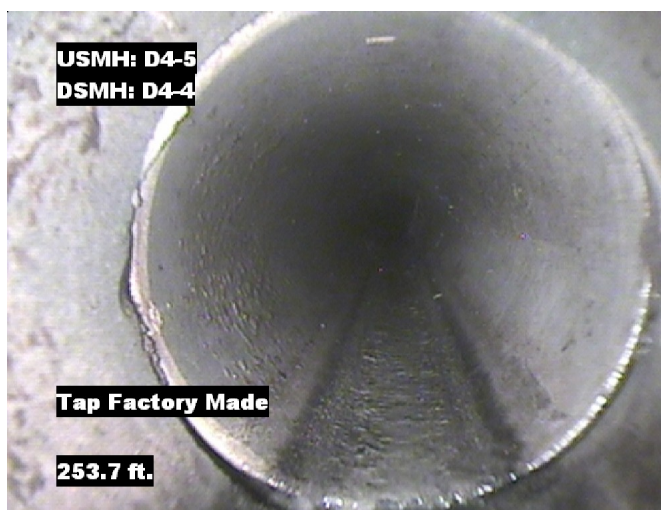
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
D4-5_D4-4	Oliver Springs	Haven Rd	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
D4-5	340.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
D4-4	340.5		8	8	4



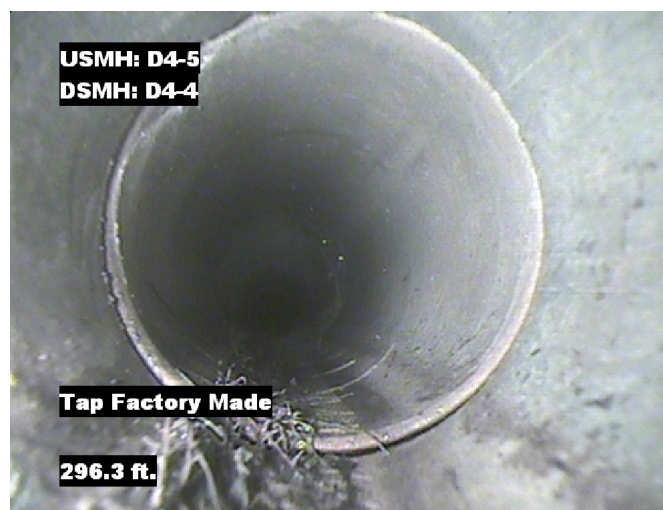
Distance: 129.0 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 184.5 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



Distance: 253.7 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A

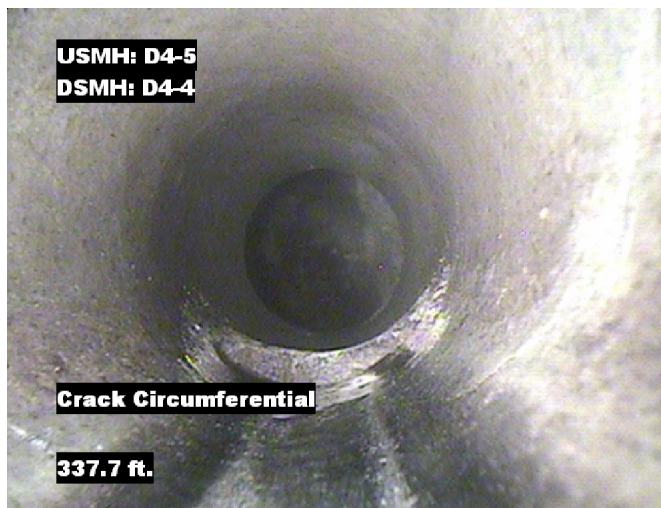


Distance: 296.3 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A

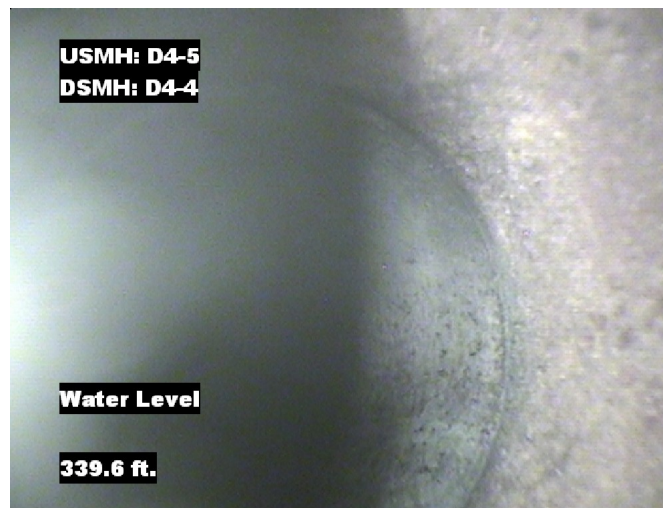


## Image Report 4/Page

Pipe Segment Refere... <b>D4-5_D4-4</b>	<b>City</b> <b>Oliver Springs</b>	<b>Street</b> <b>Haven 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>D4-5</b>	Total Length <b>340.5</b>	Year Laid	<b>Shape</b> <b>Circular</b>		Location Details	
<b>DS Manhole</b> <b>D4-4</b>	<b>Length surveyed</b> <b>340.5</b>	Year Renewed	<b>Height</b> <b>8</b>	Width <b>8</b>	Pipe Joint...	



Distance: 337.7 ft. Grade: 1  
Condition: Crack Circumferential  
Remarks: N/A



Distance: 339.6 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A



Distance: 339.7 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: drop line



Distance: 340.5 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: D4-4





## PACP Conditions

Pipe Segment Refere... D4-5_D4-4	City Oliver Springs	Street Haven Rd	Material Concrete Pipe (non-...		Location C... Light High...	Sewer Use Sanitary
Upstream MH D4-5	Total Length 340.5	Year Laid	Shape Circular		Location Details	
DS Manhole D4-4	Length surveyed 340.5	Year Renewed	Height 8	Width 8	Pipe Joint... 4	
SPR 1	MPR N/A	PO Number 4397-03		Customer GRW		
SPRI 1	MPRI N/A	Work Order 4397-02		Purpose		
QSR 1100	QMR N/A			Pre-Rehabilitation Survey		
OPR 1	Surveyed By Barry_Rogers	Direction Downstream	Date 20150629		Media label	
OPRI 1	Certificate Number U-1012-16405	Pre-Cleaning Jetting	Time 14:49		Weather Dry	
Date Cleaned 20150629			End Time 15:14		Additional Info	

			Structural Ratings			O & M Ratings			Combined Ratings		
			Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating
Normal Defects											
			1	1	1	1	0	0	1	1	1
			2	0	0	2	0	0	2	0	0
			3	0	0	3	0	0	3	0	0
			4	0	0	4	0	0	4	0	0
			5	0	0	5	0	0	5	0	0
Continuous Defects											
Code	ID	Length									