



## Defect Listing

Pipe Segment Refere... <b>E-12B_E-11</b>	City <b>Oliver Springs</b>	Street <b>Null</b>	Material <b>Concrete Pipe (non-...</b>	Location C... <b>Easement/R...</b>	Sewer Use <b>Sanitary</b>
Upstream MH <b>E-12B</b>	Total Length <b>385.1</b>	Year Laid	Shape <b>Circular</b>	Location Details <b>Between houses to F...</b>	
DS Manhole <b>E-11</b>	Length surveyed <b>385.1</b>	Year Renewed	Height <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>

SPR <b>N/A</b>	MPR <b>18</b>	PO Number <b>4397-03</b>	Customer <b>GRW</b>
SPRI <b>N/A</b>	MPRI <b>2</b>	Work Order <b>4397-02</b>	Purpose <b>Pre-Rehabilitation Survey</b>
QSR <b>N/A</b>	QMR <b>2900</b>		
OPR <b>18</b>	Surveyed By <b>Barry Rogers</b>	Direction <b>Downstream</b>	Date <b>20150610</b>
OPRI <b>2</b>	Certificate Number <b>U-1012-16405</b>	Pre-Cleaning <b>Jetting</b>	Time <b>08:22</b>
	Date Cleaned <b>20150610</b>	End Time <b>08:39</b>	Weather <b>Dry</b>
			Media label
			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: E-12B									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
13.1 ft.	Water Level Sag	S01			15	<input type="checkbox"/>			2
35.9 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	11		
35.9 ft.	Water Level Sag	F01			15	<input type="checkbox"/>			2
49.9 ft.	Water Level Sag	S02			20	<input type="checkbox"/>			2
69.9 ft.	Water Level Sag	F02			20	<input type="checkbox"/>			2
382.7 ft.	Water Level				10	<input type="checkbox"/>			
385.1 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: E-11									

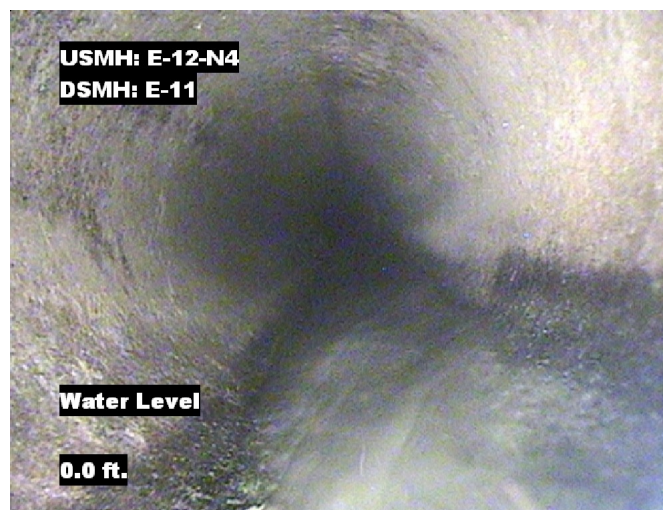


## Image Report 4/Page

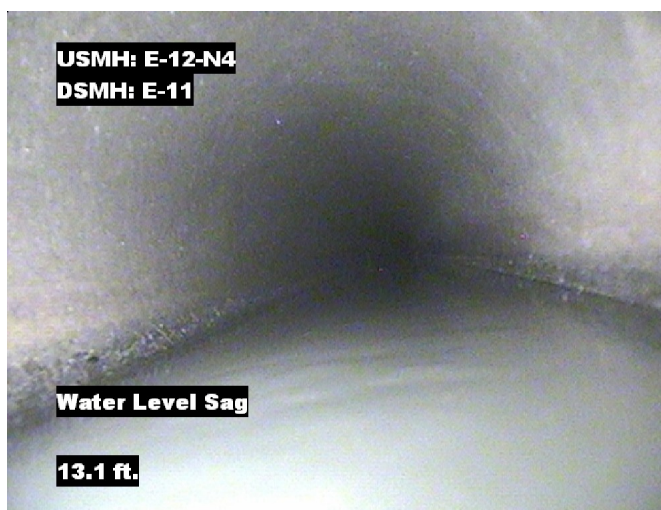
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>E-12B_E-11</b>	<b>Oliver Springs</b>	<b>Null</b>	<b>Concrete Pipe (non-...</b>	<b>Easement/R...</b>	<b>Sanitary</b>
<b>Upstream MH</b>	Total Length	Year Laid	<b>Shape</b>	Location Details	
<b>E-12B</b>	<b>385.1</b>		<b>Circular</b>	<b>Between houses to F...</b>	
<b>DS Manhole</b>	<b>Length surveyed</b>	Year Renewed	<b>Height</b>	Width	Pipe Joint...
<b>E-11</b>	<b>385.1</b>		<b>8</b>	<b>8</b>	<b>4</b>



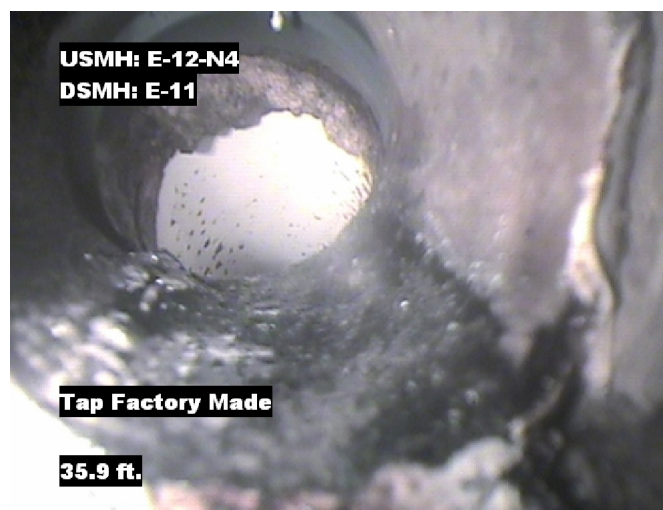
Distance: 0.0 ft. Grade: 0  
Condition: Access Point Manhole  
Remarks: E-12B



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



Distance: 13.1 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 35.9 ft. Grade: 0  
Condition: Tap Factory Made  
Remarks: N/A



## Image Report 4/Page

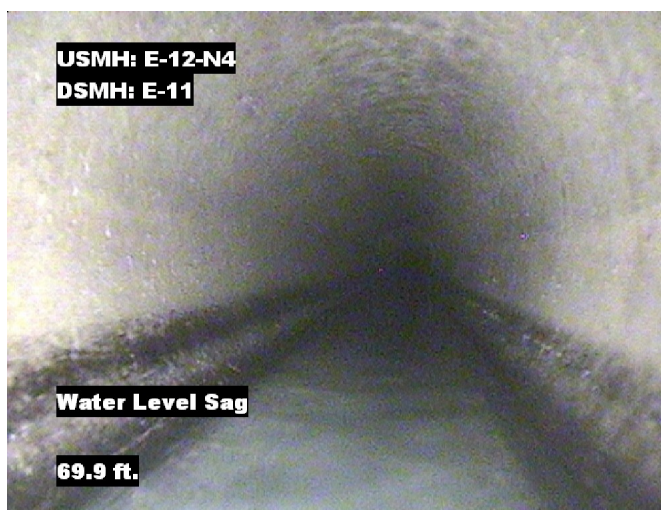
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
<b>E-12B_E-11</b>	<b>Oliver Springs</b>	<b>Null</b>	<b>Concrete Pipe (non-...</b>	<b>Easement/R...</b>	<b>Sanitary</b>
<b>Upstream MH</b>	Total Length	Year Laid	<b>Shape</b>	Location Details	
<b>E-12B</b>	<b>385.1</b>		<b>Circular</b>	<b>Between houses to F...</b>	
<b>DS Manhole</b>	<b>Length surveyed</b>	Year Renewed	<b>Height</b>	Width	Pipe Joint...
<b>E-11</b>	<b>385.1</b>		<b>8</b>	<b>8</b>	<b>4</b>



Distance: 35.9 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 49.9 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 69.9 ft. Grade: 2  
Condition: Water Level Sag  
Remarks: N/A



Distance: 382.7 ft. Grade: 0  
Condition: Water Level  
Remarks: N/A

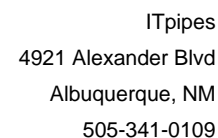


## Image Report 4/Page

Pipe Segment Refere... <b>E-12B_E-11</b>	<b>City</b> <b>Oliver Springs</b>	<b>Street</b> <b>Null</b>	<b>Material</b> <b>Concrete Pipe (non-...</b>		<b>Location C...</b> <b>Easement/R...</b>	<b>Sewer Use</b> <b>Sanitary</b>
<b>Upstream MH</b> <b>E-12B</b>	Total Length <b>385.1</b>	Year Laid	<b>Shape</b> <b>Circular</b>		Location Details <b>Between houses to F...</b>	
<b>DS Manhole</b> <b>E-11</b>	<b>Length surveyed</b> <b>385.1</b>	Year Renewed	<b>Height</b> <b>8</b>	Width <b>8</b>	Pipe Joint... <b>4</b>	



Distance: 385.1 ft.      Grade: 0  
Condition: Access Point Manhole  
Remarks: E-11



Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
E-12B_E-11	Oliver Springs	Null	Concrete Pipe (non-...		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
E-12B	385.1		Circular		Between houses to F...	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
E-11	385.1		8	8	4	
SPR	N/A	MPR	PO Number		Customer	
SPRI	N/A	MPRI	4397-03		GRW	
QSR	N/A	QMR	Work Order		Purpose	
			4397-02		Pre-Rehabilitation Survey	
OPR	Surveyed By	Direction	Date		Media label	
18	Barry_Rogers	Downstream	20150610			
OPRI	Certificate Number	Pre-Cleaning	Time		Weather	
2	U-1012-16405	Jetting	08:22		Dry	
Date Cleaned			End Time		Additional Info	
20150610			08:39			

			Structural Ratings			O & M Ratings			Combined Ratings		
			Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating
Normal Defects											
Continuous Defects			1	0	0	1	0	0	1	0	0
			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
Code	ID	Length	0	0	0	2	5	10	2	5	10
MWLS	F01	22.8									
MWLS	F02	20.0									
			Subtotals	0		Subtotals	9		Subtotals	9	
SUMMARY			Pipe Rating	0		Pipe Rating	18		Overall Pipe Rating	18	
			Structural Index	0		O&M Index	2.0		Overall Index	2.0	
			Str. Quick Rating	0000		O&M Quick Rating	2900		Ovrl. Quick Rating	2900	