



Defect Listing

Pipe Segment Refere... A8-14_A8-13	City Oliver Springs	Street walden rd	Material Concrete Pipe (non-...	Location C... Light High...	Sewer Use Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular	Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint... 4

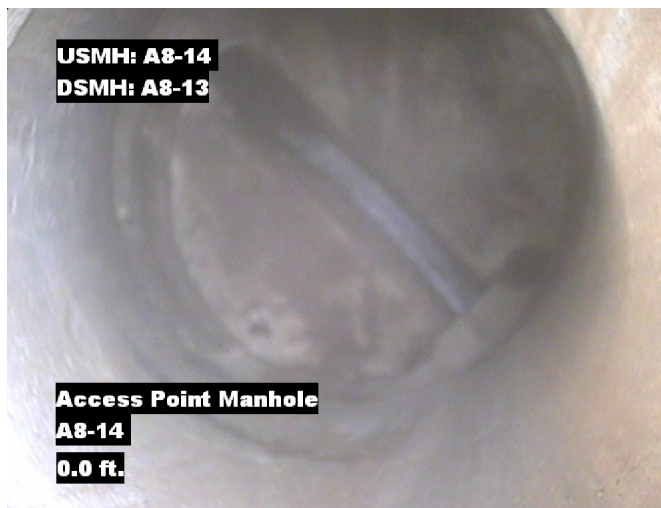
SPR 3	MPR 13	PO Number 4397-03		Customer GRW	
SPRI 1.5	MPRI 2.6	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 2111	QMR 4222				
OPR 16	Surveyed By Barry Rogers	Direction Downstream	Date 20150731	Media label	
OPRI 2.3	Certificate Number U-1012-16405	Pre-Cleaning Heavy Cleaning	Time 06:37	Weather Dry	
Date Cleaned 20150731			End Time 07:01	Additional Info Used root saw	

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: A8-14									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
68.0 ft.	Infiltration Runner					<input checked="" type="checkbox"/>	3	4	4
68.0 ft.	Infiltration Stain					<input checked="" type="checkbox"/>	3	9	
68.0 ft.	Infiltration Runner					<input checked="" type="checkbox"/>	8		4
81.2 ft.	Water Level Sag				10	<input type="checkbox"/>			2
81.3 ft.	Roots Fine Barrell				0	<input type="checkbox"/>	8	12	2
81.3 ft.	Infiltration Stain					<input type="checkbox"/>	7	10	
81.6 ft.	Roots Fine Lateral				0	<input type="checkbox"/>	3		1
81.6 ft.	Crack Circumferential				0	<input type="checkbox"/>	12	5	1
81.6 ft.	Infiltration Stain					<input checked="" type="checkbox"/>	2	5	
82.0 ft.	Crack Longitudinal				0	<input type="checkbox"/>	12		2
163.8 ft.	Water Level				5	<input type="checkbox"/>			
165.6 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: A8-13									

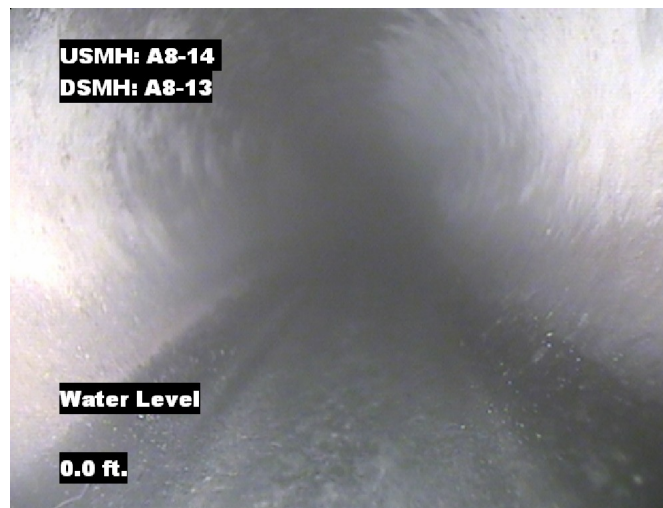


Image Report 4/Page

Pipe Segment Refere... A8-14_A8-13	City Oliver Springs	Street walden rd	Material Concrete Pipe (non-...		Location C... Light High...	Sewer Use Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular		Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint...	4



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A8-14



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



Distance: 68.0 ft. Grade: 4
Condition: Infiltration Runner
Remarks: N/A

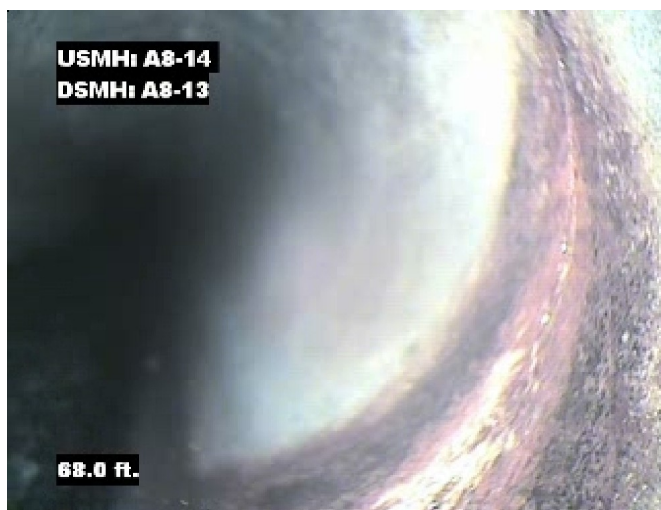


Distance: 68.0 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A

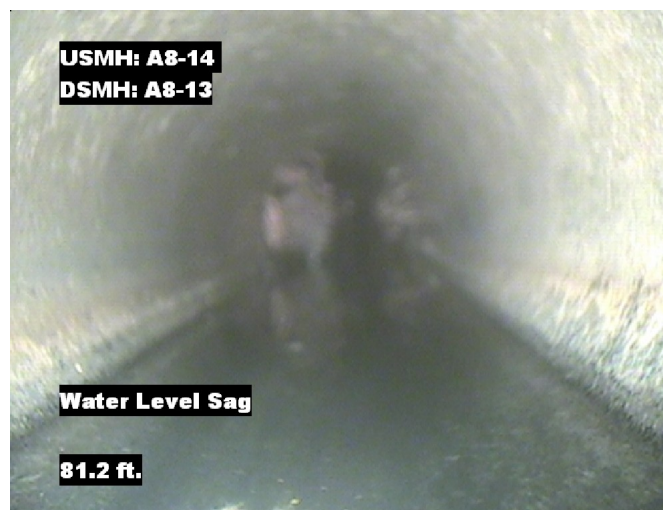


Image Report 4/Page

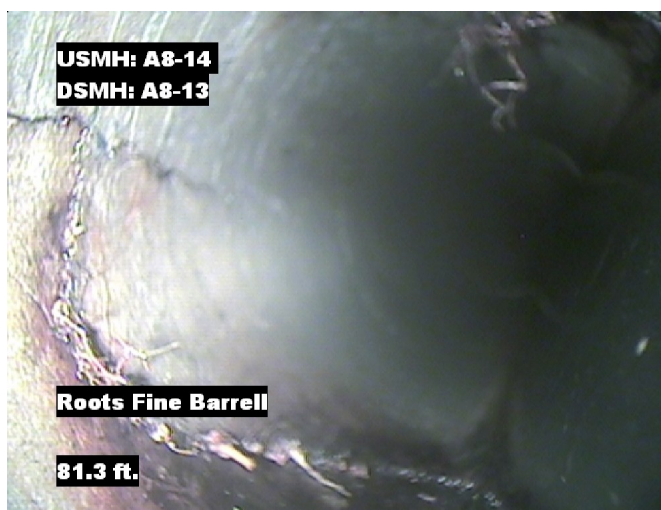
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A8-14_A8-13	Oliver Springs	walden rd	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular	Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint... 4



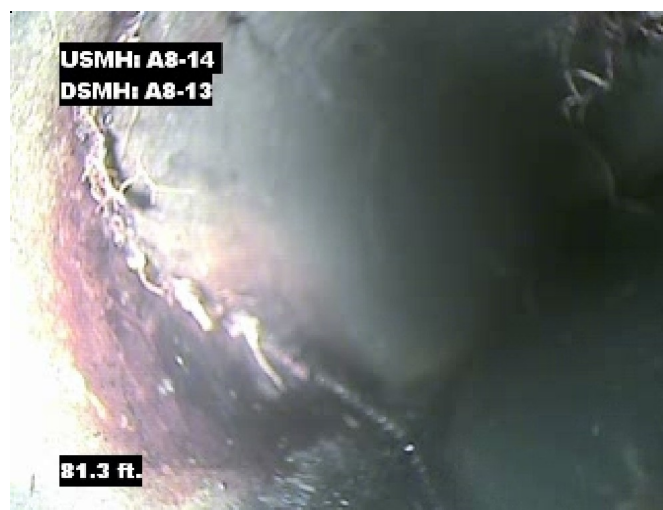
Distance: 68.0 ft. Grade: 4
Condition: Infiltration Runner
Remarks: N/A



Distance: 81.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 81.3 ft. Grade: 2
Condition: Roots Fine Barrell
Remarks: N/A

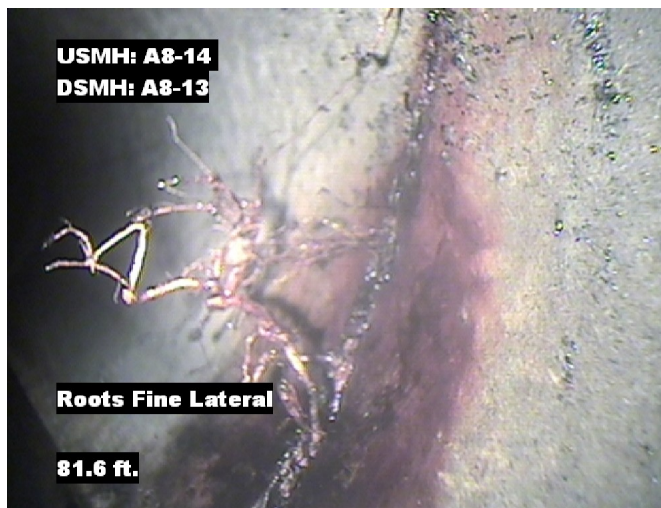


Distance: 81.3 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A

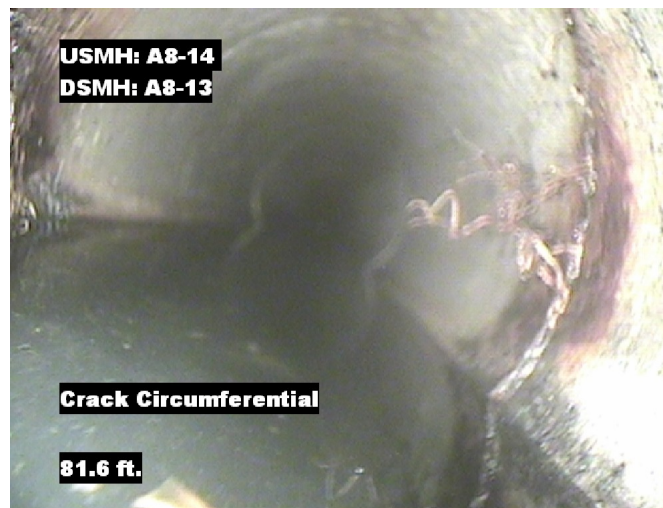


Image Report 4/Page

Pipe Segment Refere... A8-14_A8-13	City Oliver Springs	Street walden rd	Material Concrete Pipe (non-...		Location C... Light High...	Sewer Use Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular		Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint...	



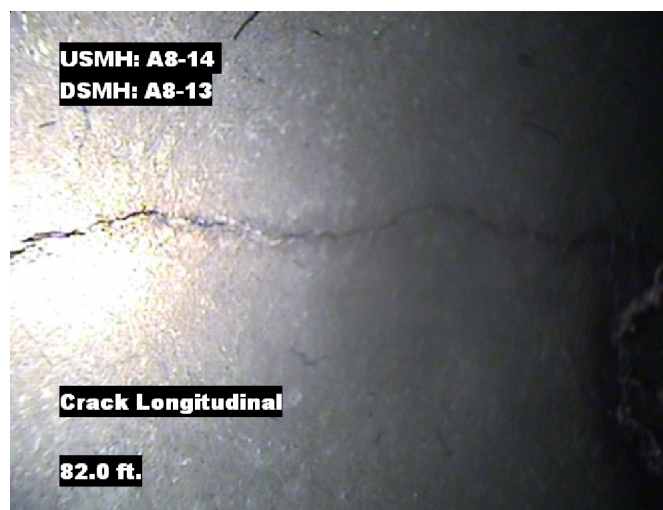
Distance: 81.6 ft. Grade: 1
Condition: Roots Fine Lateral
Remarks: N/A



Distance: 81.6 ft. Grade: 1
Condition: Crack Circumferential
Remarks: N/A



Distance: 81.6 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A

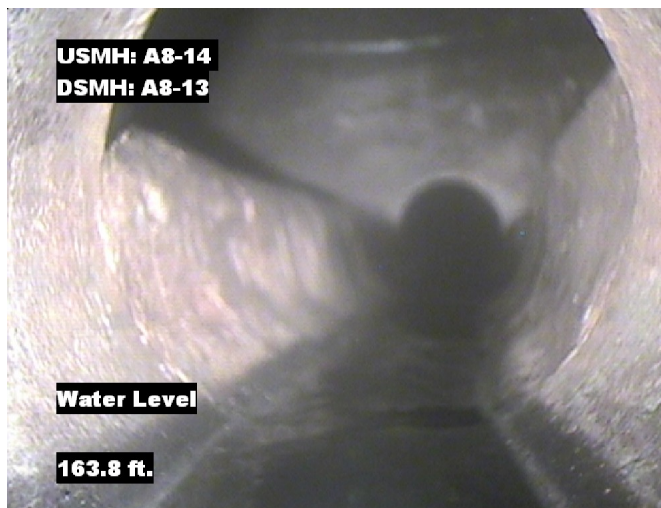


Distance: 82.0 ft. Grade: 2
Condition: Crack Longitudinal
Remarks: N/A

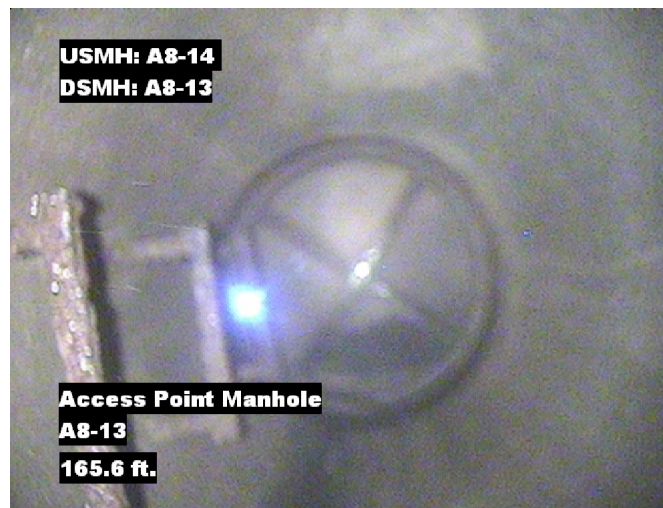


Image Report 4/Page

Pipe Segment Refere... A8-14_A8-13	City Oliver Springs	Street walden rd	Material Concrete Pipe (non-...		Location C... Light High...	Sewer Use Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular		Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint...	4



Distance: 163.8 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 165.6 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A8-13



Pipe Segment Refere... A8-14_A8-13	City Oliver Springs	Street walden rd	Material Concrete Pipe (non-...		Location C... Light High...	Sewer Use Sanitary
Upstream MH A8-14	Total Length 165.6	Year Laid	Shape Circular		Location Details	
DS Manhole A8-13	Length surveyed 165.6	Year Renewed	Height 8	Width 8	Pipe Joint... 4	
SPR 3	MPR 13	PO Number 4397-03		Customer GRW		
SPRI 1.5	MPRI 2.6	Work Order 4397-02		Purpose		
QSR 2111	QMR 4222			Pre-Rehabilitation Survey		
OPR 16	Surveyed By Barry_Rogers	Direction Downstream	Date 20150731		Media label	
OPRI 2.3	Certificate Number U-1012-16405	Pre-Cleaning Heavy Cleaning	Time 06:37		Weather Dry	
Date Cleaned 20150731		End Time 07:01		Additional Info Used root saw		

[illegible]