



Defect Listing

Pipe Segment Refere... A30-1_A20-4	City Oliver Springs	Street Ann St	Material Concrete Pipe (non-...	Location C... Yard	Sewer Use Sanitary
Upstream MH A30-1	Total Length 364.5	Year Laid	Shape Circular	Location Details	
DS Manhole A20-4	Length surveyed 364.5	Year Renewed	Height 8	Width 8	Pipe Joint... 4

SPR 8	MPR 23	PO Number 4397-03	Customer GRW
SPRI 2.7	MPRI 2.9	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR 5121	QMR 5141		
OPR 31	Surveyed By Charlie Gordon	Direction Downstream	Date 20150902
OPRI 2.8	Certificate Number U-615-07000491	Pre-Cleaning No Pre-Cleaning	Time 10:23
	Date Cleaned	End Time 11:05	Weather Dry
		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: A30-1									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
152.3 ft.	Infiltration Gusher				0	<input type="checkbox"/>	4		5
152.3 ft.	Infiltration Stain				0	<input type="checkbox"/>	3	9	
152.8 ft.	Fracture Circumferential				0	<input type="checkbox"/>	7	5	2
162.2 ft.	Infiltration Dripper				0	<input type="checkbox"/>	12		3
162.2 ft.	Deposits Attached Encrustation				20	<input type="checkbox"/>	7	5	3
175.8 ft.	Infiltration Stain				0	<input type="checkbox"/>	1	9	
186.7 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
238.8 ft.	Water Level Sag				10	<input type="checkbox"/>			2
246.4 ft.	Material Change				0	<input type="checkbox"/>			
Remarks: CP TO PVC									
283.9 ft.	Water Level Sag				10	<input type="checkbox"/>			2
304.4 ft.	Water Level Sag				10	<input type="checkbox"/>			2
331.8 ft.	Material Change				0	<input type="checkbox"/>			
Remarks: PVC TO CP									
346.6 ft.	Tap Factory Made Capped		6		0	<input type="checkbox"/>	2		
356.1 ft.	Joint Offset Medium				0	<input type="checkbox"/>			1
356.1 ft.	Hole Soil Visible				0	<input type="checkbox"/>	12	2	5
359.1 ft.	Water Level Sag	S01			15	<input type="checkbox"/>			2
363.2 ft.	Camera Underwater				0	<input type="checkbox"/>			4
364.5 ft.	Survey Abandoned				0	<input type="checkbox"/>			
Remarks: CAN NOT PASS DEOSITS IN LINE									
364.5 ft.	Water Level Sag	F01			15	<input type="checkbox"/>			2



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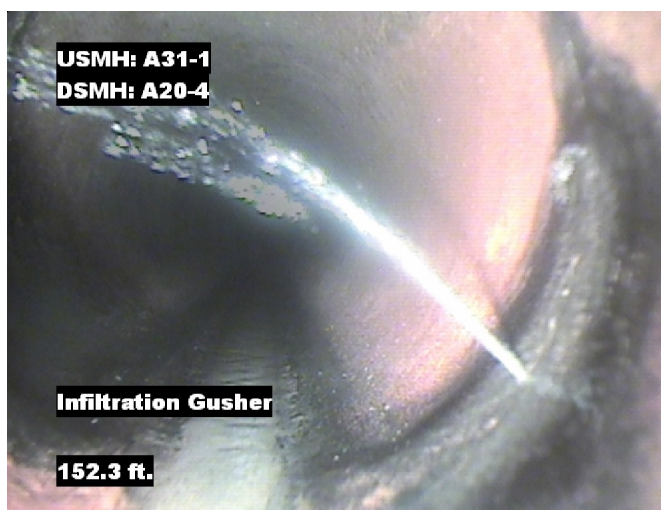
Pipe Segment Refere... A30-1_A20-4	City Oliver Springs	Street Ann St	Material Concrete Pipe (non-...		Location C... Yard	Sewer Use Sanitary
Upstream MH A30-1	Total Length 364.5	Year Laid	Shape Circular		Location Details	
DS Manhole A20-4	Length surveyed 364.5	Year Renewed	Height 8	Width 8	Pipe Joint...	4



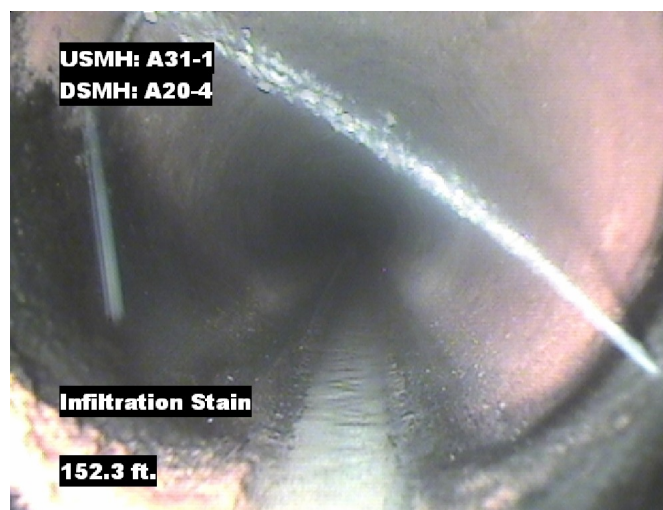
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A30-1



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



Distance: 152.3 ft. Grade: 5
Condition: Infiltration Gusher
Remarks: N/A

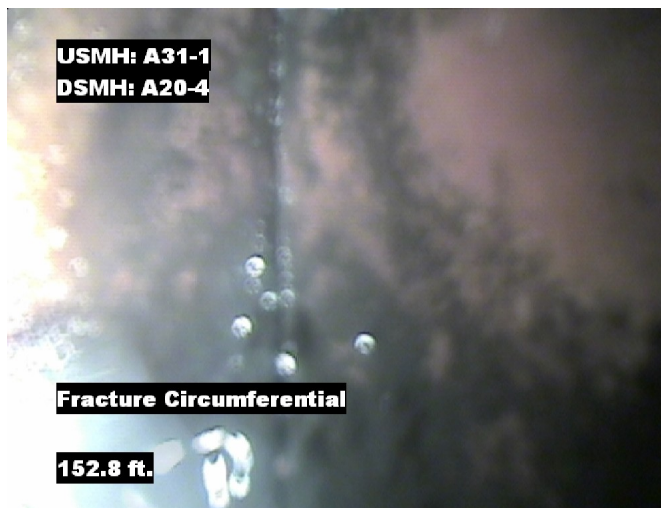


Distance: 152.3 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A

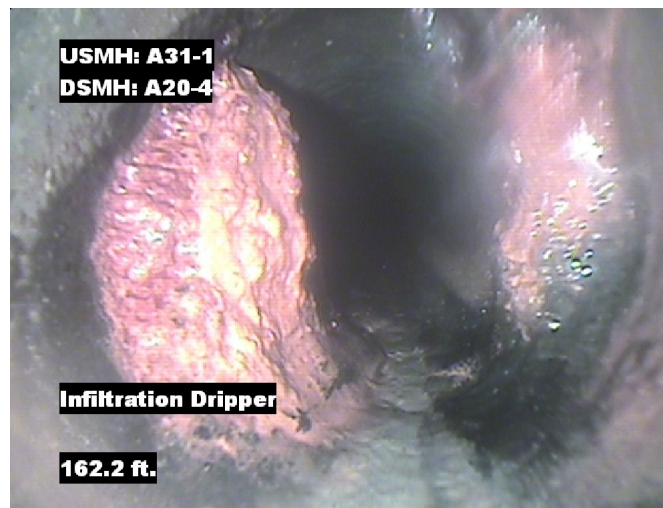


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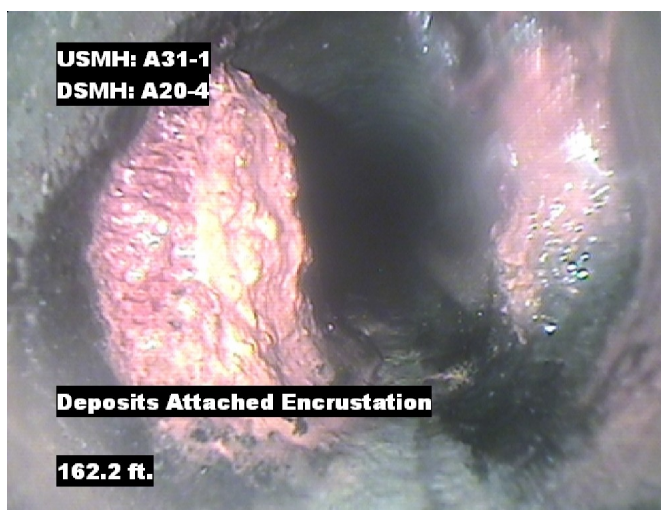
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A30-1_A20-4	Oliver Springs	Ann St	Concrete Pipe (non-...	Yard	Sanitary
Upstream MH A30-1	Total Length 364.5	Year Laid	Shape Circular	Location Details	
DS Manhole A20-4	Length surveyed 364.5	Year Renewed	Height 8	Width 8	Pipe Joint... 4



Distance: 152.8 ft. Grade: 2
Condition: Fracture Circumferential
Remarks: N/A



Distance: 162.2 ft. Grade: 3
Condition: Infiltration Dripper
Remarks: N/A



Distance: 162.2 ft. Grade: 3
Condition: Deposits Attached Encrustation
Remarks: N/A

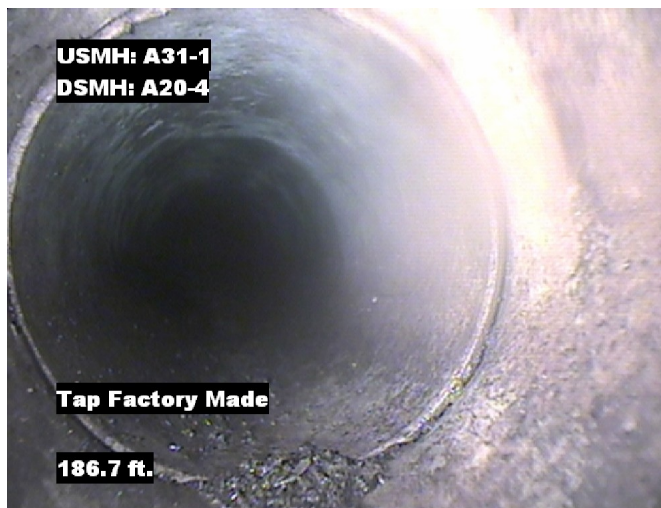


Distance: 175.8 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



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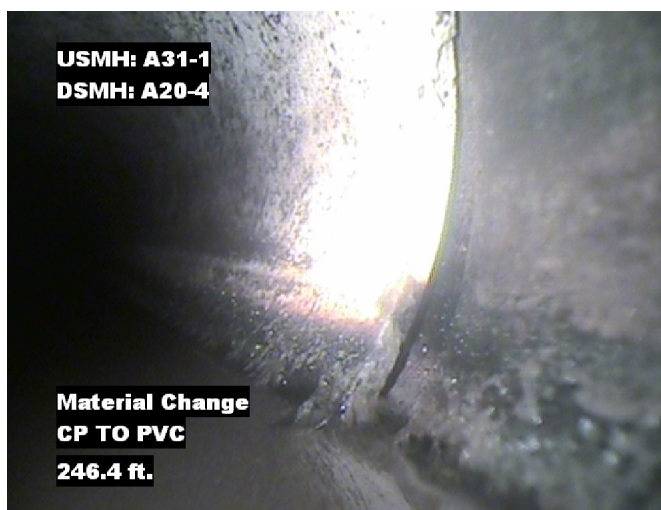
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Distance: 186.7 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 238.8 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 246.4 ft. Grade: 0
Condition: Material Change
Remarks: CP TO PVC



Distance: 283.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

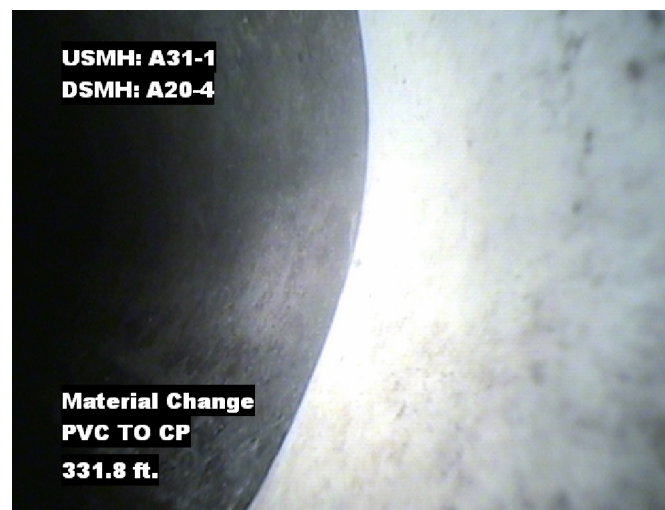


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A30-1_A20-4	Oliver Springs	Ann St	Concrete Pipe (non-...	Yard	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A30-1	364.5		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A20-4	364.5		8	8	4



Distance: 304.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 331.8 ft. Grade: 0
Condition: Material Change
Remarks: PVC TO CP



Distance: 346.6 ft. Grade: 0
Condition: Tap Factory Made Capped
Remarks: N/A



Distance: 356.1 ft. Grade: 1
Condition: Joint Offset Medium
Remarks: N/A



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Upstream MH	Total Length	Year Laid	Shape	Location Details	
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DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A20-4	364.5		8	8	4



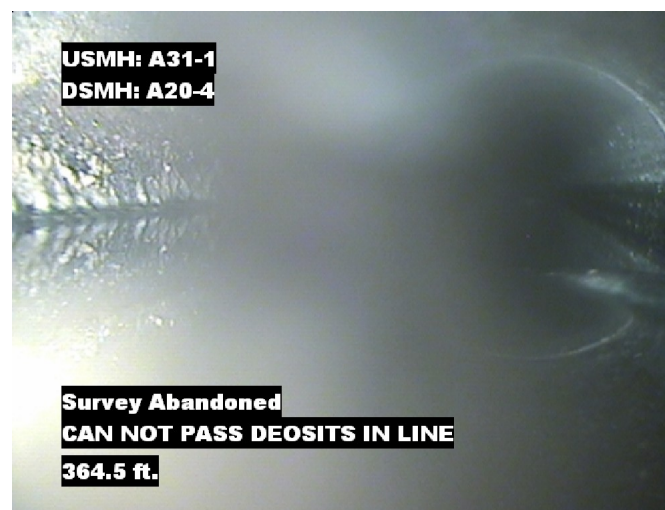
Distance: 356.1 ft. Grade: 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 359.1 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 363.2 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A

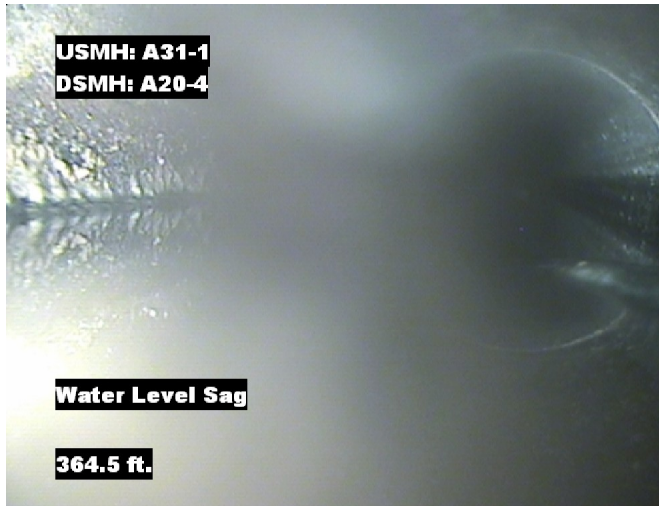


Distance: 364.5 ft. Grade: 0
Condition: Survey Abandoned
Remarks: CAN NOT PASS DEOSITS IN LINE



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Distance: 364.5 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



PACP Conditions

Pipe Segment Refere... A30-1_A20-4	City Oliver Springs	Street Ann St	Material Concrete Pipe (non-...	Location C... Yard	Sewer Use Sanitary
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SPR 8	MPR 23	PO Number 4397-03		Customer GRW	
SPRI 2.7	MPRI 2.9	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 5121	QMR 5141	Direction Downstream		Date 20150902	
OPR 31	Surveyed By Charlie Gordon	Pre-Cleaning No Pre-Cleaning		Media label	
OPRI 2.8	Certificate Number U-615-07000491	Time 10:23		Weather Dry	
Date Cleaned			End Time 11:05		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	0	0	1	1	1
			2	1	2	2	3	6	2	4	8
			3	0	0	3	2	6	3	2	6
			4	0	0	4	1	4	4	1	4
			5	1	5	5	1	5	5	2	10
Code	ID	Length	0	0	0	2	1	2	2	1	2
MWLS	F01	5.4									
			Subtotals	3		Subtotals	8		Subtotals	11	
SUMMARY			Pipe Rating	8		Pipe Rating	23		Overall Pipe Rating	31	
			Structural Index	2.7		O&M Index	2.9		Overall Index	2.8	
			Str. Quick Rating	5121		O&M Quick Rating	5141		Ovrl. Quick Rating	5241	