



Defect Listing

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-35_A-34	Oliver Springs	Arrowhead Ln.	Fibreglass Reinforc...	Yard	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-35	407.7		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-34	407.7		15	15	N/A

SPR	N/A	MPR	4	PO Number	Customer
SPRI	N/A	MPRI	2	4397-03	GRW
QSR	N/A	QMR	2200	Work Order	Purpose
				4397-02	Pre-Rehabilitation Survey
OPR	Surveyed By	Direction	Date	Media label	
4	Charlie Gordon	Upstream	20150902		
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2	U-615-07000491	Jetting	15:00	Dry	
Date Cleaned			End Time	Additional Info	
20150902			15:10		

Distance	Condition	Cont. Dfct.	Values			Joint	Clock Position		Grade
			1st	2nd	%		At/From	To	
0.0 ft.	Access Point Manhole				0	☐			
Remarks: A-34									
0.0 ft.	Water Level				10	☐			
268.2 ft.	Water Level Sag				15	☐			2
309.2 ft.	Water Level Sag				25	☐			2
403.8 ft.	Water Level				15	☐			
407.7 ft.	Access Point Manhole				0	☐			
Remarks: A-35									

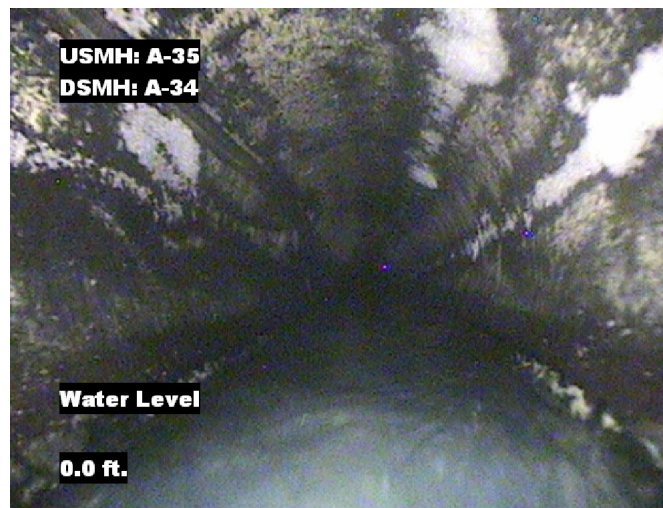


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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
A-35_A-34	Oliver Springs	Arrowhead Ln.	Fibreglass Reinforc...	Yard	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
A-35	407.7		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
A-34	407.7		15	15	N/A



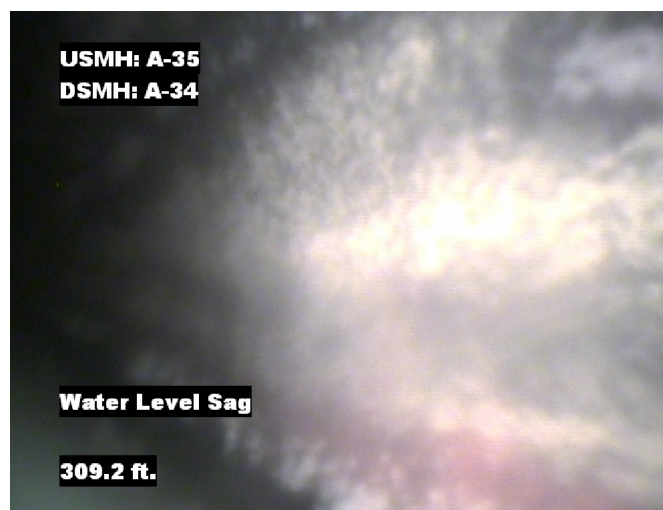
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-34



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



Distance: 268.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 309.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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Pipe Segment Refere... A-35_A-34	City Oliver Springs	Street Arrowhead Ln.	Material Fibreglass Reinforc...		Location C... Yard	Sewer Use Sanitary
Upstream MH A-35	Total Length 407.7	Year Laid	Shape Circular		Location Details	
DS Manhole A-34	Length surveyed 407.7	Year Renewed	Height 15	Width 15	Pipe Joint...	
					N/A	



Distance: 403.8 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 407.7 ft. Grade: 0
Condition: Access Point Manhole
Remarks: A-35



PACP Conditions

Pipe Segment Refere... A-35_A-34	City Oliver Springs	Street Arrowhead Ln.	Material Fibreglass Reinforc...	Location C... Yard	Sewer Use Sanitary
Upstream MH A-35	Total Length 407.7	Year Laid	Shape Circular	Location Details	
DS Manhole A-34	Length surveyed 407.7	Year Renewed	Height 15	Width 15	Pipe Joint... N/A
SPR N/A	MPR 4	PO Number 4397-03		Customer GRW	
SPRI N/A	MPRI 2	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR N/A	QMR 2200				
OPR 4	Surveyed By Charlie Gordon	Direction Upstream	Date 20150902	Media label	
OPRI 2	Certificate Number U-615-07000491	Pre-Cleaning Jetting	Time 15:00	Weather Dry	
Date Cleaned 20150902			End Time 15:10	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	0	0	1	0	0	1	0	0
			2	0	0	2	2	4	2	2	4
			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									
			Subtotals	0		Subtotals	2		Subtotals	2	
SUMMARY			Pipe Rating	0		Pipe Rating	4		Overall Pipe Rating	4	
			Structural Index	0		O&M Index	2.0		Overall Index	2.0	
			Str. Quick Rating	0000		O&M Quick Rating	2200		Ovrl. Quick Rating	2200	