



Defect Listing

Pipe Segment Refere... B4-1_B-20	City Oliver springs	Street Butler St	Material Concrete Pipe (non-...	Location C... Light High...	Sewer Use Sanitary
Upstream MH B4-1	Total Length 207.3	Year Laid	Shape Circular	Location Details	
DS Manhole B-20	Length surveyed 207.3	Year Renewed	Height 8	Width 8	Pipe Joint... 4

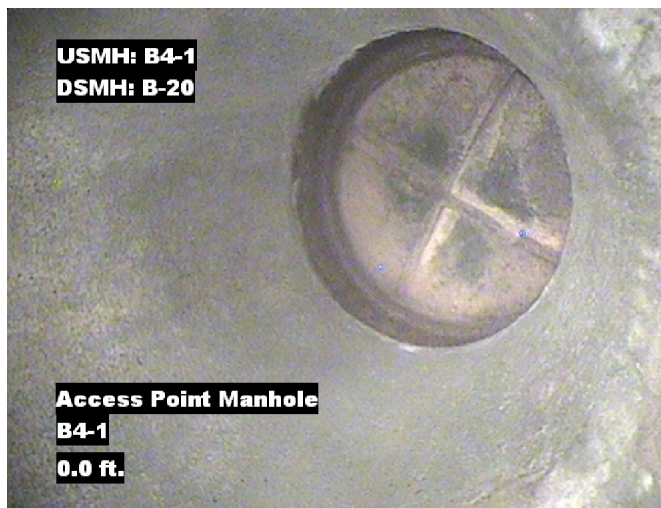
SPR 4	MPR 26	PO Number 4397-03	Customer GRW
SPRI 4	MPRI 2	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR 4100	QMR 2A00		
OPR 30	Surveyed By Charlie Gordon	Direction Downstream	Date 20150904
OPRI 2.1	Certificate Number U-615-07000491	Pre-Cleaning Jetting	Time 12:34
	Date Cleaned 20150904	End Time 12:47	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: B4-1									
0.0 ft.	Water Level				5	<input type="checkbox"/>			
7.6 ft.	Water Level Sag	S01			10	<input type="checkbox"/>			2
20.4 ft.	Water Level Sag	F01			10	<input type="checkbox"/>			2
47.1 ft.	Water Level Sag				15	<input type="checkbox"/>			2
49.4 ft.	Water Level Sag				15	<input type="checkbox"/>			2
55.4 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	9		
65.4 ft.	Water Level Sag	S02			15	<input type="checkbox"/>			2
83.2 ft.	Water Level Sag	F02			15	<input type="checkbox"/>			2
88.5 ft.	Water Level				5	<input type="checkbox"/>			
111.3 ft.	Tap Factory Made		6		0	<input type="checkbox"/>	3		
112.1 ft.	Fracture Multiple				0	<input type="checkbox"/>	9	4	4
124.0 ft.	Water Level Sag	S03			10	<input type="checkbox"/>			2
129.5 ft.	Water Level Sag	F03			10	<input type="checkbox"/>			2
141.1 ft.	Water Level Sag	S04			15	<input type="checkbox"/>			2
154.9 ft.	Water Level Sag	F04			15	<input type="checkbox"/>			2
206.3 ft.	Water Level				10	<input type="checkbox"/>			
207.3 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: B-20									



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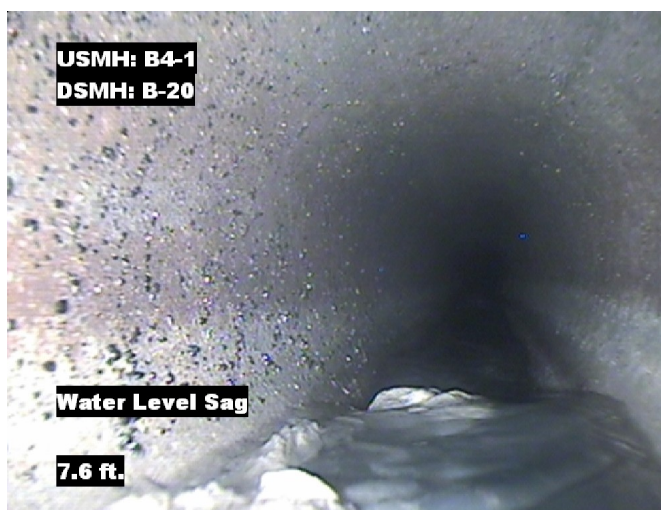
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
B4-1_B-20	Oliver springs	Butler St	Concrete Pipe (non-...	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
B4-1	207.3		Circular		
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
B-20	207.3		8	8	4



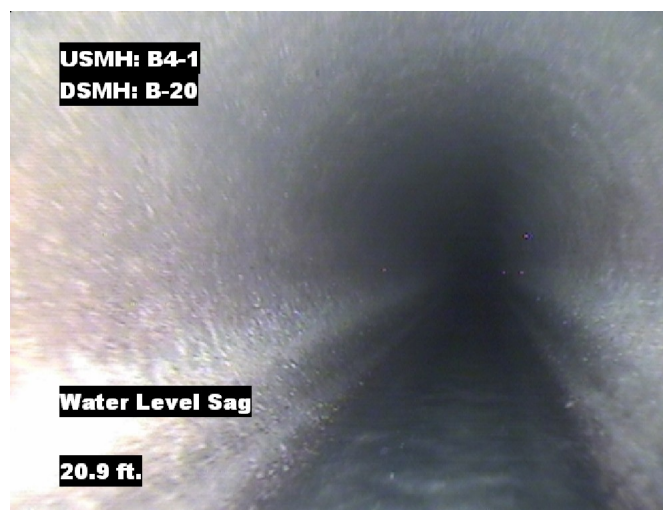
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: B4-1



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



Distance: 7.6 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 20.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
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B4-1	207.3		Circular		
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B-20	207.3		8	8	4



Distance: 47.1 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 49.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 55.4 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 65.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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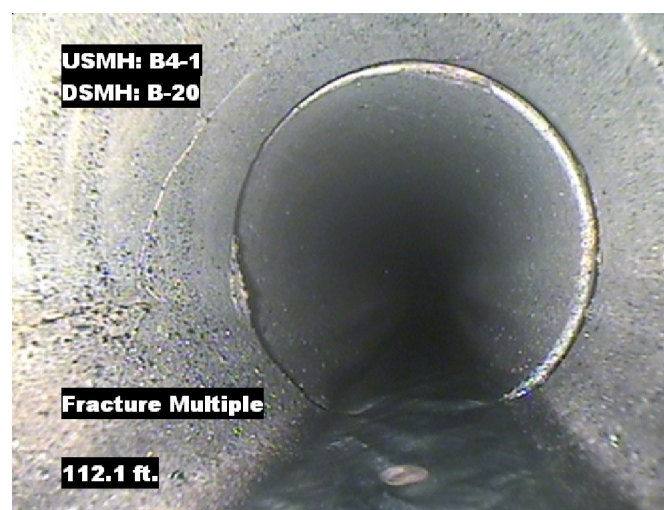
Distance: 83.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 88.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 111.3 ft. Grade: 0
Condition: Tap Factory Made
Remarks: N/A



Distance: 112.1 ft. Grade: 4
Condition: Fracture Multiple
Remarks: N/A



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B-20	207.3		8	8	4



Distance: 124.0 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 129.5 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 141.1 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

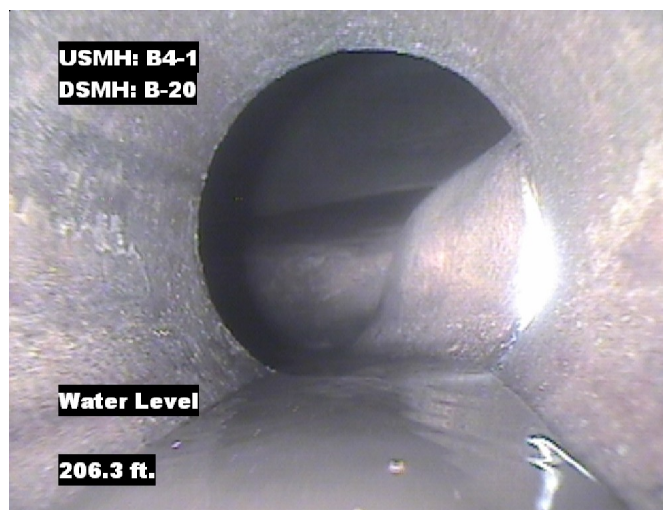


Distance: 154.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A

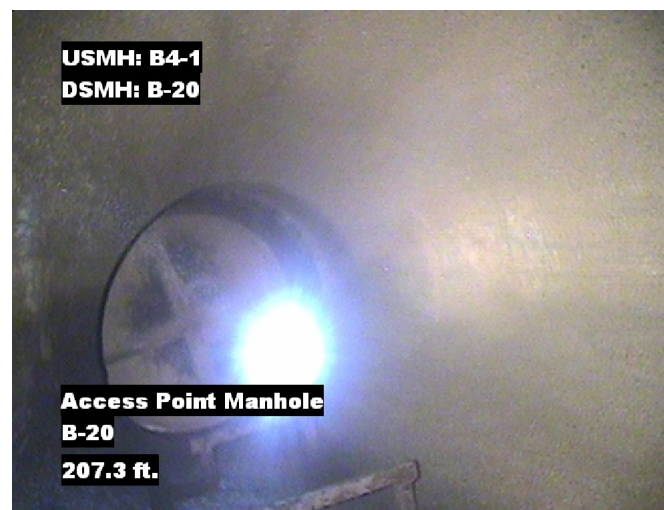


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Distance: 206.3 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 207.3 ft. Grade: 0
Condition: Access Point Manhole
Remarks: B-20



PACP Conditions

Pipe Segment Refere... B4-1_B-20	City Oliver springs	Street Butler St	Material Concrete Pipe (non-...	Location C... Light High...	Sewer Use Sanitary
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SPRI 4	MPRI 2	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 4100	QMR 2A00	Direction Downstream		Date 20150904	
OPR 30	Surveyed By Charlie Gordon	Pre-Cleaning Jetting		Media label	
OPRI 2.1	Certificate Number U-615-07000491	Time 12:34		Weather Dry	
Date Cleaned 20150904			End Time 12:47		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	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	1	4	4	0	0	4	1	4
			5	0	0	5	0	0	5	0	0
Code	ID	Length									
MWLS	F01	12.8	0	0	0	2	3	6	2	3	6
MWLS	F02	17.8	0	0	0	2	4	8	2	4	8
MWLS	F03	5.5	0	0	0	2	1	2	2	1	2
MWLS	F04	13.8	0	0	0	2	3	6	2	3	6
Subtotals			1			Subtotals	13		Subtotals	14	
SUMMARY			Pipe Rating	4		Pipe Rating	26		Overall Pipe Rating	30	
			Structural Index	4.0		O&M Index	2.0		Overall Index	2.1	
			Str. Quick Rating	4100		O&M Quick Rating	2A00		Ovrl. Quick Rating	412A	