



Defect Listing

Pipe Segment Refere... E6-4 E6-3	City Oliver Springs	Street Gail Ln	Material PolyVinyl Chloride	Location C... Light High...	Sewer Use Sanitary
Upstream MH E6-4	Total Length 290.6	Year Laid	Shape Circular	Location Details Side of Rd	
DS Manhole E6-3	Length surveyed 290.6	Year Renewed	Height 8	Width 8	Pipe Joint... 13

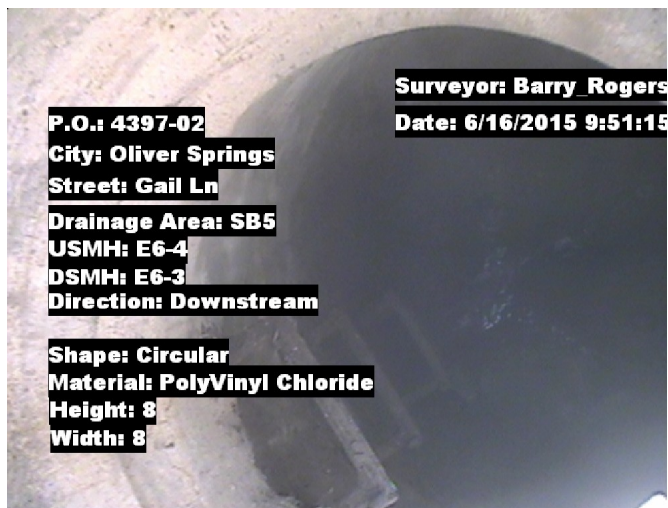
SPR 31	MPR 64	PO Number 4397-03	Customer GRW
SPRI 3.1	MPRI 2.1	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR 4139	QMR 422D		
OPR 95	Surveyed By Barry Rogers	Direction Downstream	Date 20150616
OPRI 2.4	Certificate Number U-1012-16405	Pre-Cleaning Heavy Cleaning	Time 10:32
	Date Cleaned 20150616	End Time 10:49	Weather Very Dry
			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: E6-4									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
6.0 ft.	Water Level Sag				20	<input type="checkbox"/>			2
14.6 ft.	Camera Underwater				0	<input type="checkbox"/>			4
38.3 ft.	Water Level Sag				20	<input type="checkbox"/>			2
54.4 ft.	Water Level Sag	S01			25	<input type="checkbox"/>			2
61.9 ft.	Camera Underwater				0	<input type="checkbox"/>			4
76.0 ft.	Water Level Sag	F01			25	<input type="checkbox"/>			2
80.9 ft.	Water Level Sag	S02			25	<input type="checkbox"/>			2
99.7 ft.	Water Level Sag	F02			25	<input type="checkbox"/>			2
108.7 ft.	Water Level Sag	S03			20	<input type="checkbox"/>			2
135.2 ft.	Water Level Sag	F03			20	<input type="checkbox"/>			2
140.1 ft.	Water Level Sag	S04			25	<input type="checkbox"/>			2
149.2 ft.	Water Level Sag	F04			25	<input type="checkbox"/>			2
175.2 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	2		3
180.5 ft.	Water Level Sag	S05			25	<input type="checkbox"/>			2
180.6 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	2		3
190.6 ft.	Deformed Vertically				10	<input type="checkbox"/>			4
192.2 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	12		3
202.5 ft.	Lining Failure Delaminating					<input type="checkbox"/>	10	11	3
203.0 ft.	Infiltration Stain					<input type="checkbox"/>	8	10	
212.3 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	9	11	3
212.7 ft.	Infiltration Stain					<input type="checkbox"/>	9	11	
223.9 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	9		3
232.3 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	8		3
233.3 ft.	Water Level Sag	F05			25	<input type="checkbox"/>			2
241.9 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	8		3
271.4 ft.	Lining Failure Wrinkled					<input type="checkbox"/>	7		3
279.5 ft.	Water Level				20	<input type="checkbox"/>			
290.6 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: E6-3									

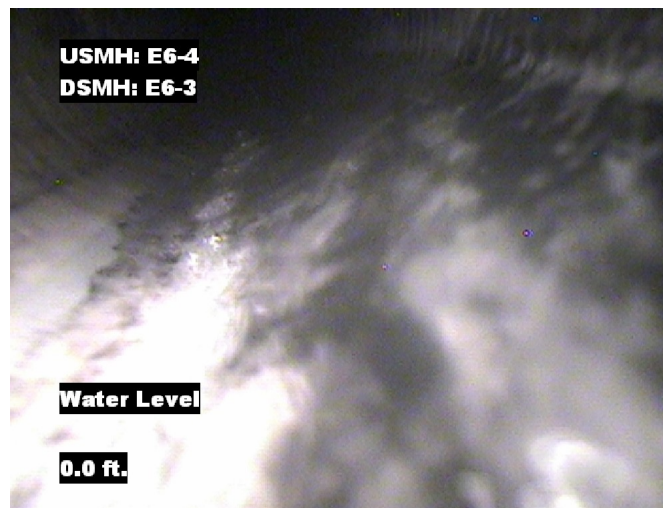


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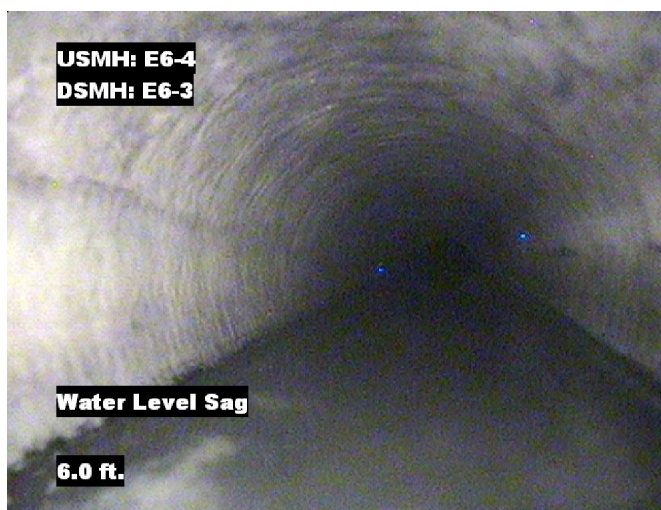
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
E6-4_E6-3	Oliver Springs	Gail Ln	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
E6-4	290.6		Circular	Side of Rd	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



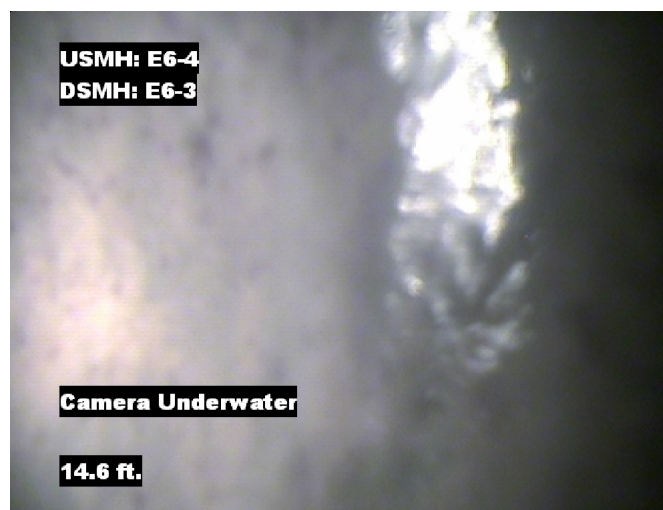
Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E6-4



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



Distance: 6.0 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 14.6 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



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Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
E6-4_E6-3	Oliver Springs	Gail Ln	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
E6-4	290.6		Circular	Side of Rd	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 38.3 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 54.4 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 61.9 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A

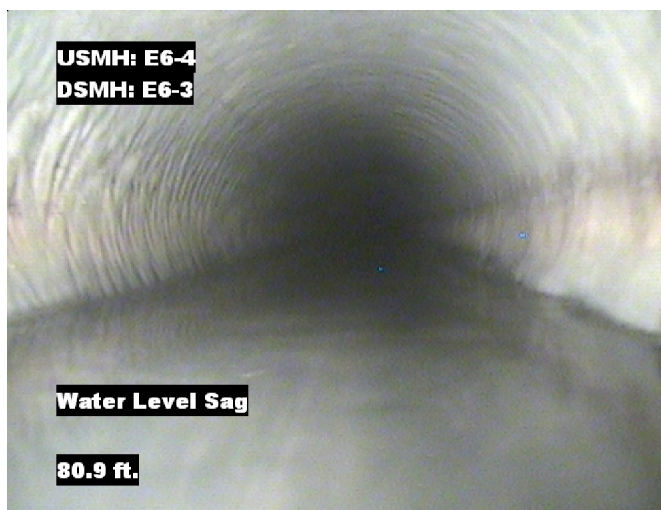


Distance: 76.0 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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E6-4_E6-3	Oliver Springs	Gail Ln	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
E6-4	290.6		Circular	Side of Rd	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 80.9 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 99.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 108.7 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 135.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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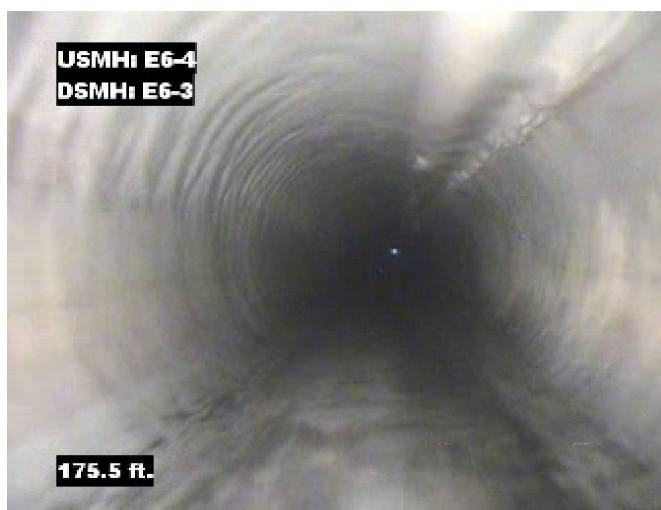
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E6-4_E6-3	Oliver Springs	Gail Ln	PolyVinyl Chloride	Light High...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
E6-4	290.6		Circular	Side of Rd	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 140.1 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 149.2 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 175.2 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 180.5 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



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DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 180.6 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 190.6 ft. Grade: 4
Condition: Deformed Vertically
Remarks: N/A



Distance: 192.2 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 202.5 ft. Grade: 3
Condition: Lining Failure Delaminating
Remarks: N/A



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DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 203.0 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 212.3 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 212.7 ft. Grade: 0
Condition: Infiltration Stain
Remarks: N/A



Distance: 223.9 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A

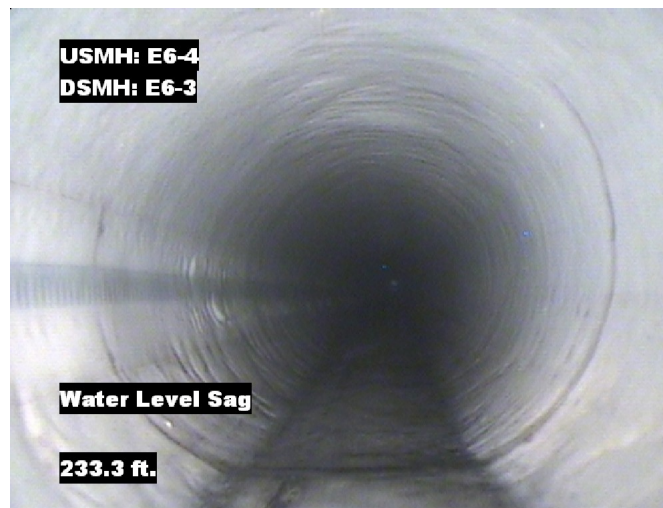


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E6-4	290.6		Circular	Side of Rd	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E6-3	290.6		8	8	13



Distance: 232.3 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 233.3 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 241.9 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



Distance: 271.4 ft. Grade: 3
Condition: Lining Failure Wrinkled
Remarks: N/A



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Pipe Segment Refere... E6-4_E6-3	City Oliver Springs	Street Gail Ln	Material PolyVinyl Chloride		Location C... Light High...	Sewer Use Sanitary
Upstream MH E6-4	Total Length 290.6	Year Laid	Shape Circular		Location Details Side of Rd	
DS Manhole E6-3	Length surveyed 290.6	Year Renewed	Height 8	Width 8	Pipe Joint... 13	



Distance: 279.5 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Distance: 290.6 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E6-3



PACP Conditions

Pipe Segment Refere... E6-4_E6-3	City Oliver Springs	Street Gail Ln	Material PolyVinyl Chloride	Location C... Light High...	Sewer Use Sanitary
Upstream MH E6-4	Total Length 290.6	Year Laid	Shape Circular	Location Details Side of Rd	
DS Manhole E6-3	Length surveyed 290.6	Year Renewed	Height 8	Width 8	Pipe Joint... 13
SPR 31	MPR 64	PO Number 4397-03		Customer GRW	
SPRI 3.1	MPRI 2.1	Work Order 4397-02		Purpose Pre-Rehabilitation Survey	
QSR 4139	QMR 422D	Direction Downstream		Date 20150616	
OPR 95	Surveyed By Barry Rogers	Pre-Cleaning Heavy Cleaning		Media label Very Dry	
OPRI 2.4	Certificate Number U-1012-16405	Time 10:32		Weather Very Dry	
Date Cleaned 20150616			End Time 10:49		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	9	27	3	0	0	3	9	27
			4	1	4	4	2	8	4	3	12
			5	0	0	5	0	0	5	0	0
Code	ID	Length									
MWLS	F01	21.6	0	0	0	2	4	8	2	4	8
MWLS	F02	18.8	0	0	0	2	4	8	2	4	8
MWLS	F03	26.5	0	0	0	2	5	10	2	5	10
MWLS	F04	9.1	0	0	0	2	2	4	2	2	4
MWLS	F05	52.8	0	0	0	2	11	22	2	11	22
Subtotals				10		Subtotals	30		Subtotals	40	
SUMMARY			Pipe Rating	31		Pipe Rating	64		Overall Pipe Rating	95	
			Structural Index	3.1		O&M Index	2.1		Overall Index	2.4	
			Str. Quick Rating	4139		O&M Quick Rating	422D		Ovrl. Quick Rating	4339	