



Defect Listing

Pipe Segment Refere... E-11_E-10	City Oliver Springs	Street NULL	Material Concrete Pipe (non-...	Location C... Easement/R...	Sewer Use Sanitary
Upstream MH E-11	Total Length 369.7	Year Laid	Shape Circular	Location Details Cow Pasture	
DS Manhole E-10	Length surveyed 369.7	Year Renewed	Height 8	Width 8	Pipe Joint... 4

SPR N/A	MPR 10	PO Number 4397-03	Customer GRW
SPRI N/A	MPRI 2.5	Work Order 4397-02	Purpose Pre-Rehabilitation Survey
QSR N/A	QMR 4123		
OPR 10	Surveyed By Barry Rogers	Direction Downstream	Date 20150610
OPRI 2.5	Certificate Number U-1012-16405	Pre-Cleaning Jetting	Time 08:42
	Date Cleaned 20150610	End Time 09:22	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: E-11									
0.0 ft.	Water Level				10	<input type="checkbox"/>			
192.9 ft.	Tap Break-In		6		0	<input type="checkbox"/>	2		
245.3 ft.	Water Level Sag				15	<input type="checkbox"/>			2
315.6 ft.	Water Level Sag				20	<input type="checkbox"/>			2
356.5 ft.	Water Level Sag				20	<input type="checkbox"/>			2
368.5 ft.	Camera Underwater				0	<input type="checkbox"/>			4
369.7 ft.	Water Level				20	<input type="checkbox"/>			
369.7 ft.	Access Point Manhole				0	<input type="checkbox"/>			
Remarks: E-10									



Image Report 4/Page

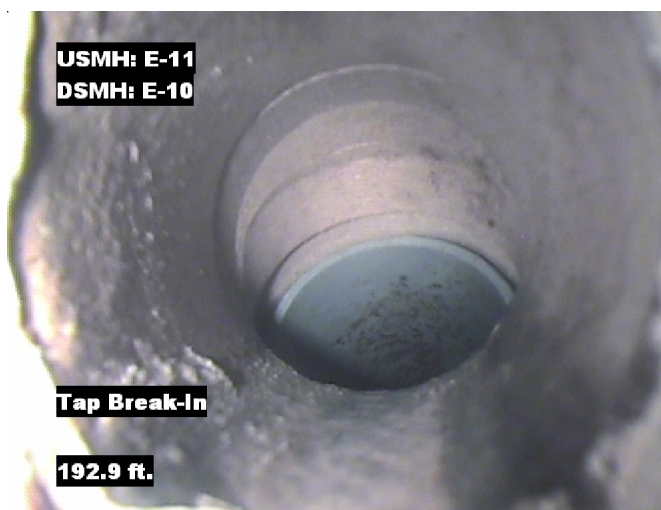
Pipe Segment Refere... E-11_E-10	City Oliver Springs	Street NULL	Material Concrete Pipe (non-...		Location C... Easement/R...	Sewer Use Sanitary
Upstream MH E-11	Total Length 369.7	Year Laid	Shape Circular		Location Details Cow Pasture	
DS Manhole E-10	Length surveyed 369.7	Year Renewed	Height 8	Width 8	Pipe Joint... 4	



Distance: 0.0 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E-11



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



Distance: 192.9 ft. Grade: 0
Condition: Tap Break-In
Remarks: N/A



Distance: 245.3 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Image Report 4/Page

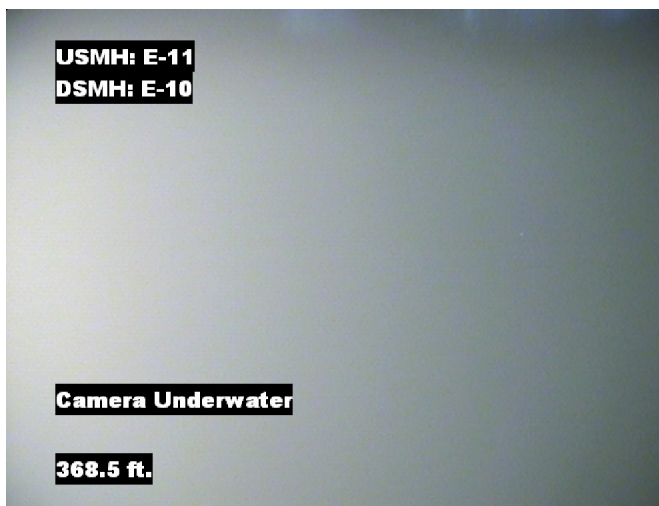
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
E-11_E-10	Oliver Springs	NULL	Concrete Pipe (non-...	Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape	Location Details	
E-11	369.7		Circular	Cow Pasture	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...
E-10	369.7		8	8	4



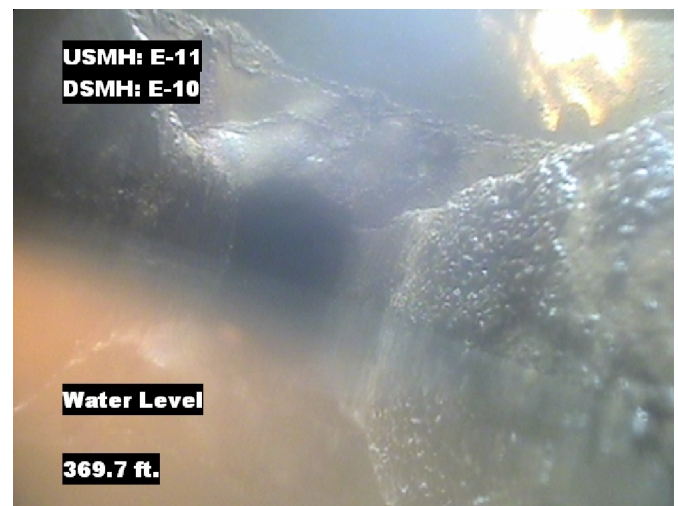
Distance: 315.6 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 356.5 ft. Grade: 2
Condition: Water Level Sag
Remarks: N/A



Distance: 368.5 ft. Grade: 4
Condition: Camera Underwater
Remarks: N/A



Distance: 369.7 ft. Grade: 0
Condition: Water Level
Remarks: N/A



Image Report 4/Page

Pipe Segment Refere... E-11_E-10	City Oliver Springs	Street NULL	Material Concrete Pipe (non-...		Location C... Easement/R...	Sewer Use Sanitary
Upstream MH E-11	Total Length 369.7	Year Laid	Shape Circular		Location Details Cow Pasture	
DS Manhole E-10	Length surveyed 369.7	Year Renewed	Height 8	Width 8	Pipe Joint... 4	



Distance: 369.7 ft. Grade: 0
Condition: Access Point Manhole
Remarks: E-10



Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
E-11_E-10	Oliver Springs	NUII	Concrete Pipe (non-...		Easement/R...	Sanitary
Upstream MH	Total Length	Year Laid	Shape		Location Details	
E-11	369.7		Circular		Cow Pasture	
DS Manhole	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
E-10	369.7		8	8	4	
SPR	N/A	MPR	PO Number		Customer	
SPRI	N/A	MPRI	4397-03		GRW	
QSR	N/A	QMR	Work Order		Purpose	
			4397-02		Pre-Rehabilitation Survey	
OPR	Surveyed By	Direction	Date		Media label	
10	Barry_Rogers	Downstream	20150610			
OPRI	Certificate Number	Pre-Cleaning	Time		Weather	
2.5	U-1012-16405	Jetting	08:42		Dry	
Date Cleaned			End Time		Additional Info	
20150610			09:22			

			Structural Ratings		O & M Ratings		Combined Ratings				
			Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating	Grade Rating	No. Occur.	Rating
Normal Defects											
Continuous Defects			1	0	0	1	0	0	1	0	0
			2	0	0	2	3	6	2	3	6
			3	0	0	3	0	0	3	0	0
			4	0	0	4	1	4	4	1	4
			5	0	0	5	0	0	5	0	0
Code	ID	Length									
					</						