



MH 5846-276  
 Replace MH Frame & Cover  
 1144 Christine  
 Approx MH depth = 9.1 ft

**POINT REPAIR:**  
 Remove and replace 33 lf of 8" pipe, from  
 MH 5846-275 to 33 lf north of said manhole.  
 This repair item will include the service  
 reconNECTIONS for 1202 Christine and 1169  
 Pineridge. Est. pipe depth = 8.0 ft

MH 5846-275  
 Replace MH Frame & Cover  
 1202 Christine

Construct Outside Drop  
 (north side of brick MH)  
 Approx pipe depth = 8.0 ft  
 Approx MH depth = 14.0 ft.

**SITE 1**

Sheet 3 of 23

MH 5846-273  
 1132 Pineridge  
 Approx depth = 12.7 ft

Remove 277 lf of 8" Pipe  
 Install 277 lf of 8" Pipe  
 Estimated 10 Service  
 ReconNECTIONS (4")

MH 5846-272  
 Replace MH Frame & Cover  
 1162 Pineridge  
 Approx depth = 10.4 ft

Seeding will be allowed on this Site.







# Video Inspection Master Report

7/1/2013  
10:05 AM

US Structure: 5846-276      1144    CHRISTINE ST      Date Insp: 8/27/2008      Basin: E04A  
 DS Structure: 5846-275      1202    CHRISTINE ST      Dir Televised: Up->Down

**Pipe Information**

Shape: Round      Length Status:      Project No. : F-176  
 Dia/Ht: 8      Material: VCP      Index:  
 Length: 215.5      Slope: 0.102      DVD #0437  
 Overall Cond: Very Poor

THIS LOG PROVIDED FOR THE POINT REPAIR.  
SEE NEXT PAGE

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.0	US Manhole	5846-276	1				
2		2.2	Crown	Broken Pipe	2	0.008	44	0	0.008
3		6.0	Invert	Crack-Radial	3	0.004	5	0	0.004
4		15.0	Upper Right	Broken Pipe	3	0.010	60	0	0.010
5		21.6	Upper Right	Broken Pipe	2	0.008	44	0	0.008
6		32.3	West	Wye Service	1	0.000	0	0	0.000
			1150 S CHRISTINE	4" Clay Wye Connection	<b>Comment:</b>	ROOTS 2			
7		34.5	East	Wye Service	2	0.000	0	0	0.000
			1151 S PINERIDGE	4" Clay Wye Connection	<b>Comment:</b>	ROOTS 2			
8		49.8	Crown	Broken Pipe	3	0.010	60	0	0.010
9		75.0	Upper Right	Broken Pipe	3	0.010	60	0	0.010
10		77.9	Upper Right	Broken Pipe	3	0.010	60	0	0.010
11		81.1	Crown	Broken Pipe	3	0.010	60	0	0.010
12		84.4	Upper Right	Crack-Horizontal	1	0.001	1	0	0.001
13		87.6	West	Wye Service	1	0.000	0	0	0.000
			1156 S CHIRSTINE	4" Clay Wye Connection					
14		90.9	East	Wye Service	2	0.000	0	0	0.000
			1157 S PINERIDGE	4" Clay Wye Connection	<b>Comment:</b>	CRACKS 2			
15		103.3	Upper Right	Broken Pipe	1	0.004	30	0	0.004
16		146.8	West	Wye Service	1	0.000	0	0	0.000
			1162 S CHRISTINE	4" Clay Wye Connection					
17		149.6	East	Wye Service	1	0.000	0	0	0.000
			1163 S PINERIDGE	4" Clay Wye Connection					
18		163.1	Upper Left	Crack-Horizontal	1	0.001	1	0	0.001
19		164.9	Crown	Broken Pipe	3	0.010	60	0	0.010
20		168.8	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
21		171.7	Upper Left	Crack-Horizontal	1	0.001	1	0	0.001
22		174.8	Upper Right	Broken Pipe	3	0.010	60	0	0.010

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US Structure: 5846-276                      1144    CHRISTINE ST                      Date Insp:    8/27/2008                      Basin:    E04A  
 DS Structure: 5846-275                      1202    CHRISTINE ST                      Dir Televised: Up->Down

23	183.9	West	Break-In Conn	4	0.008	60	0	0.008
<b>1202 S CHRISTINE</b>			4" Break In Connection	<b>Comment: ROOTS</b>				
24	186.7	East	Wye Service	4	0.000	60	0	0.000
<b>1169 S PINERIDGE</b>			4" Clay Wye Connection	<b>Comment: ROOTS 4</b>				
25	189.7	Lower Right	Broken Pipe	3	0.010	60	0	0.010
26	192.1	Crown	Broken Pipe	3	0.010	60	0	0.010
27	198.8	Joint	Roots	3	0.008	5	8	0.008
28	202.0	Joint	Roots	2	0.004	2	4	0.004
29	202.5	Upper Right	Broken Pipe	3	0.010	60	0	0.010
30	205.8	Crown	Roots / Broken Pipe	3	0.010	60	0	0.010
31	207.0	Start	Sag	3	0.000	5	0	0.000
32	210.1	Camera Lens Emerged	Sag	4	0.000	10	0	0.000
33	214.3	Camera Lens Submerged	Sag	1	0.000	1	0	0.000
34	214.3	<b>DS Manhole 5846-275 (brick manhole)</b>		3	0.000	0	0	0.000

**Comment:** BROKEN PIPE THROUGH OUT LINE NEEDS REHAB.

POINT REPAIR NEEDED: Replace the downstream 33 feet of pipe, from approx 182' to the downstream manhole. Replace two service connections. Construct an outside drop. -LML

The pipe is scheduled for CIPP installation and this repair needs to be completed prior to CIPP. -LML

## Video Inspection Master Report

7/1/2013

10:05 AM

US Structure: 5846-273      1132    PINERIDGE ST      Date Insp: 8/25/2008      Basin: E04A  
 DS Structure: 5846-272      1162    PINERIDGE ST      Dir Televised: Up->Down

**Pipe Information**

Shape: Round      Length Status:      Project No. : F-176  
 Dia/Ht: 8      Material: VCP      Index:  
 Length: 277.1      Slope: 0.101      Overall Cond: Poor

Comments: BROKEN PIPE THROUGH OUT LINE

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		US Manhole 5746-273	1		0.000	0	0	0.000
1132 S PINERIDGE										
2		6.6		Sealed Off Wye West 4" Clay Wye Connection			0.000	0	0	0.000
3		8.9	East	Wye Service	1		0.000	0	0	0.000
1133 S SILVERDALE										
4		41.2	Upper Right	Crack-Horizontal	2		0.002	2	0	0.002
5		44.5	West	Wye Service	3		0.000	2	0	0.000
1132 S PINERIDGE										
6		48.7		Sealed Off Wye East 4" Clay Wye Connection	1		0.000	0	0	0.000
7		50.3	Upper Left	Crack-Horizontal	1		0.001	1	0	0.001
8		80.6	Joint	Roots	1		0.002	1	1	0.002
9		83.4	Joint	Roots	1		0.002	1	1	0.002
10		89.6	Joint	Roots	1		0.002	1	1	0.002
11		90.4	Crown	Crack-Horizontal	2		0.002	2	0	0.002
12		92.9	Lower Left	Broken Pipe	2		0.008	44	0	0.008
13		96.0	Lower Right	Broken Pipe	2		0.008	44	0	0.008
14		96.4	West	Wye Service	3		0.000	2	0	0.000
1138 S PINERIDGE										
15		99.6	East	4" Clay Wye Connection Wye Service	3		0.000	2	0	0.000
1139 S SILVERDALE										
16		101.9	Joint	4" Clay Wye Connection Roots	1		0.002	1	1	0.002
17		102.7	Crown	Crack-Horizontal	2		0.002	2	0	0.002
18		105.2	Upper Right	Broken Pipe	2		0.008	44	0	0.008
19		111.0	Upper Right	Broken Pipe	2		0.008	44	0	0.008
20		120.4	Crown	Crack-Horizontal	2		0.002	2	0	0.002
21		123.5	Crown	Crack-Horizontal	3		0.004	5	0	0.004
22		129.2	Crown	Broken Pipe in all quadrants	4		0.030	78	0	0.030
23		132.5	East	Break-In Conn	5		0.010	400	0	0.010
1145 S SILVERDALE										
24		135.5	Crown	4" Break In Connection Crack-Horizontal	2		0.002	2	0	0.002
25		138.6	Upper Right	Crack-Horizontal	2		0.002	2	0	0.002
26		144.3	Crown / invert	Broken Pipe (pipe heaved upward)	4		0.030	78	0	0.030

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7/1/2013

10:05 AM

**US Structure: 5846-273**                      **1132 PINERIDGE ST**                      **Date Insp: 8/25/2008**                      **Basin: E04A**  
**DS Structure: 5846-272**                      **1162 PINERIDGE ST**                      **Dir Televised:Up->Down**

27	147.7	Crown / invert	Broken Pipe (pipe heaved upward)	5	0.060	100	0	0.060
28	151.0	West	Break-In Conn	3	0.004	2	0	0.004
1144 S PINERIDGE / PVC			4" PVC Saddle "Y" Conn	<b>Comment:</b>	BROKEN PIPE			
29	154.0	Upper Right	Broken Pipe	3	0.010	60	0	0.010
30	155.3		Sealed Off Wye East	4	0.004	0	0	0.004
BROKEN PIPE			4" Clay Wye Connection					
31	157.1	Crown	Broken Pipe	3	0.010	60	0	0.010
32	160.0	Upper Right	Broken Pipe	3	0.010	60	0	0.010
33	163.4	Upper Right	Broken Pipe	4	0.030	78	0	0.030
34	166.3	Upper Right	Broken Pipe	3	0.010	60	0	0.010
35	169.6	Upper Right	Broken Pipe	3	0.010	60	0	0.010
36	172.5	Upper Right	Broken Pipe	2	0.008	44	0	0.008
37	178.5	Crown	Broken Pipe	3	0.010	60	0	0.010
38	181.8	Crown	Broken Pipe	3	0.010	60	0	0.010
39	187.9	Upper Right	Broken Pipe	3	0.010	60	0	0.010
40	194.1	Upper Right	Broken Pipe	2	0.008	44	0	0.008
41	197.0	Upper Right	Broken Pipe	3	0.010	60	0	0.010
42	200.1	Crown	Broken Pipe	3	0.010	60	0	0.010
43	200.5	West	Wye Service	3	0.000	2	0	0.000
1150 S PINERIDGE			4" Clay Wye Connection	<b>Comment:</b>	BROKEN PIPE. ROOTS / poor cond.			
44	203.7	East	Wye Service	2	0.000	0	0	0.000
1151 S SILVERDALE			4" Clay Wye Connection	<b>Comment:</b>	ROOTS 2			
45	240.4	Upper Right	Broken Pipe	2	0.008	44	0	0.008
		(cracks finally stop at 241 ft)						
46	253.7	West	Wye Service	1	0.000	0	0	0.000
1156 S PINERIDGE			4" Clay Wye Connection					
47	257.3	East	Wye Service	1	0.000	0	0	0.000
1157 S SILVERDALE			4" Clay Wye Connection					
48	277.3	DS Manhole 5846-272		1	00			
				BROKEN PIPE THROUGH OUT LINE				

Pipe condition is too poor for liner installation. Needs replaced.  
 Area also has a history of high maintenance during rainfall. - LML