

MH 5748-079
Approx depth = 7.5 ft

MH 5748-080
Approx depth = 9.1 ft

MH 5748-081
Record depth = 15.0 ft

MH 5748-078
558 N. Bluff
Approx depth = 5.3 ft

MH 5748-077
546 N. Bluff
Approx depth = 6.6 ft

MH 5748-101
542 N. Bluff
Approx depth = 10.4 ft

MH 5748-102
521 N. Fountain
Approx depth = 10.3 ft

MH 5748-099
528 N. Fountain
(under fence)
Record depth = 13.2 ft

MH 5748-100
4100 E Central
(in patio)
Approx depth = 12.6 ft

Install 1646 lf of 8" Cured-in-Place Liner:
 ' 575 lf from MH 5748-100 to MH 5748-081
 ' 446 lf from MH 5748-102 to MH 5748-079
 ' 625 lf from MH 5748-081 to MH 5748-077

SITE 7





Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: 5748-100 4100 E CENTRAL AVE Date Insp: 6/8/2012 Basin: EC02A
 DS Structure: 5748-099 528 N FOUNTAIN AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-242
 Dia/Ht: 8 Material: VCP Index:
 Length: 261.6 Slope: 0.401 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		
							Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0		US Manhole	1				
2		32.7		Wye Service	1				512 N FOUNTAIN
3		56.4		Wye Service	1				
4		77.4		Wye Service	2				4114 E CENTRAL
5		86.6		Wye Service	1				516 N FOUNTAIN
6		89.6		Wye Service	1				
7		164.5		Break-In Conn	2				523 N BROADVIEW
8		176.1		Wye Service	1				
9		197.0		Wye Service	1				
10		209.1		Wye Service	1				
11		211.9		Wye Service	1				522 N FOUNTAIN
12		215.0		Wye Service	1				
13		217.9		Wye Service	2				530 N FOUNTAIN
14		221.0		Wye Service	1				
15		239.0		Wye Service	1				
16		250.2		Break-In Conn	2				529 N BROADVIEW
17		259.4		DS Manhole	1				

Lots of roots at the joints not shown on this tv log. -LML



Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: 5748-099 528 N FOUNTAIN AVE Date Insp: 6/8/2012 Basin: EC02A
 DS Structure: 5748-081 602 N FOUNTAIN ST Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-242
 Dia/Ht: 8 Material: VCP Index:
 Length: 314.0 Slope: 1.500 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.0		US Manhole	1				
2		6.9		Wye Service	1				
3		8.9		Wye Service	1				
4		22.8		Wye Service	1				
5		23.9	537 N BROADVIEW	Break-In Conn	2				
6		26.7		Wye Service	1				
7		27.7		Roots	3				
8		29.9		Roots	2				
9		51.1	538 N FOUNTAIN	Wye Service	1				
10		54.4		Wye Service	1				
11		75.8		Roots	3				
12		82.5		Wye Service	1				
13		84.9		Wye Service	1				
14		106.0		Infiltration	2				
15		107.5		Wye Service	1				
16		110.3		Wye Service	1				
17		118.1	544 N FOUNTAIN	Break-In Conn	2				
18		133.1		Wye Service	1				
19		135.8		Wye Service	1				
20		137.3	545 N BROADVIEW	Break-In Conn	3	(full of roots)			
21		158.7	550 N FOUNTAIN	Wye Service	2				
22		161.2		Wye Service	1				
23		184.3		Wye Service	1				
24		184.3	553 N BROADVIEW	Break-In Conn	2				
25		186.8		Wye Service	1				
26		209.9		Wye Service	1				
27		212.3		Wye Service	1				
28		235.1	558 N FOUNTAIN	Wye Service	2				
29		237.8		Wye Service	1				
30		238.0	557 N BROADVIEW	Break-In Conn	2				
31		260.7		Wye Service	1				
32		263.3		Wye Service	1				
33		307.5	Joint	Offset	3				
34		310.4	(inside drop) 5748-081	DS Manhole	1				

Pipe has lots of mineral deposits at the joints from infiltration. And roots are not shown on this log. -LML



Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: 5748-081 602 N FOUNTAIN ST Date Insp: 6/6/2012 Basin: EC02A
 DS Structure: 5748-080 602 N FOUNTAIN AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-242
 Dia/Ht: 8 Material: VCP Index:
 Length: 163.8 Slope: 0.396 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.0		US Manhole	1				
2		0.0		Crack-Horizontal	3				
3		0.0		Crack-Horizontal	2				
4		6.9		Other	0				
5		9.1		Crack-Horizontal	2				
6		15.4		Crack-Radial	2				
7		15.4		Crack-Horizontal	2				
8		16.6		Crack-Horizontal	3				
9		19.1		Crack-Horizontal	2				
10		126.6		Crack-Horizontal	2				
11		127.7		Crack-Horizontal	2				
12		130.3		Crack-Horizontal	2				
13		133.0		Crack-Horizontal	2				
14		135.5		Crack-Horizontal	2				
15		138.4		Crack-Horizontal	2				
16		141.2		Crack-Horizontal	2				
17		152.3		Sag	3				
18		157.9		Sag	1				
19		163.8		5748-080 DS Manhole	3				

No taps / Lots of cracks -LML

Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: **5748-080** 602 N FOUNTAIN AVE Date Insp: 6/6/2012 Basin: EC02A
 DS Structure: **5748-079** 557 N FOUNTAIN AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-242
 Dia/Ht: 8 Material: VCP Index:
 Length: 165.0 Slope: 0.400 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			Remain (gpm)
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	
1		0.0	5748-080	US Manhole	1				
2		109.9		Crack-Horizontal	2				
3		132.5		Internal CIPP sleeve repair begins	1				
4		138.3		Internal CIPP sleeve repair ends	1				
5		156.5		Internal CIPP sleeve repair begins (and runs to MH wall)					
6		162.4	5748-079	DS Manhole	2				

Line has a lot of small offsets at the joints. Small amounts of mineral deposits at the joints due to infiltration. -LML

Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: **5748-079** 557 N FOUNTAIN AVE Date Insp: 6/7/2012 Basin: EC02A
 DS Structure: **5748-078** 558 N BLUFF ST Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-230
 Dia/Ht: 8 Material: VCP Index:
 Length: 147.0 Slope: 0.197 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.6		US Manhole	1				
2		86.4		Wye Service / sealed off	1				
3		147.9		DS Manhole	1				

This one segment is in pretty good shape. We'll line it though to ensure it remains in good condition and does not get the infiltration and mineral deposits that appear to be happening in this neighborhood. - LML



Video Inspection Master Report

3/5/2013

10:20 AM

US Structure: 5748-078 558 N BLUFF ST Date Insp: 6/8/2012 Basin: EC02A
 DS Structure: 5748-077 546 N BLUFF ST Dir Televised: Upstream To Downstream

Pipe Information Dia: 8 Material: VCP Length: 149.0 Slope: 0.20

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5748-078 US Manhole	1					
2		6.9		Sag	4					
3		13.5		Sag	1					
4		16.0		Sag	3					
5		18.7		Roots	3					
6		20.5		Sag	1					
7		20.9		Roots	3					
8		23.4		Sag	3					
9		28.4		Sag	1					
10		28.6		Roots	3					
11		31.4		Sag	4					
12		33.6		Sag	1					
13		33.7		Roots	3					
14		36.0		Roots	3					
15		37.7		Wye Service	1					
16		38.4		Sag	3					
17		40.7		Sag	1					
18		41.1		Sag	4					
19		51.0		Sag	1					
20		56.3		Roots	2					
21		61.5		Roots	2					
22		63.0		Wye Service	1					
23		64.5	558 N BLUFF	Break-In Conn	4					
24		65.7		Crack-Horizontal	2					
25		71.7		Roots	3					
26		72.3		Crack-Horizontal	2					
27		75.7		Sag	3					
28		76.4		Sag	1					
29		76.9		Roots	2					
30		80.5		Sag	3					
31		81.5		Sag	1					
32		81.8		Roots	3					
33		84.4		Roots	2					
34		86.9		Roots	3					
35		88.7		Wye Service	1					
36		89.4		Roots	2					
37		92.0		Roots	2					
38		108.4		Sag	3					
39		110.4		Sag	1					
40		114.1		Wye Service	1					
41		139.4		Wye Service	1					
42		143.2		Crack-Horizontal	3					
43		147.6	5748-077	MH is sealed / flow is OK DS Manhole	4					

This segment should probably be open cut but has trees and a utility pole. The pipe also lies just east of the curb line. The camera is constantly in and out of the flow.



Video Inspection Master Report

1/2/2013

2:35 PM

US Structure: 5748-102 521 N FOUNTAIN AVE Date Insp: 6/7/2012 Basin: EC02A
 DS Structure: 5748-101 542 N BLUFF AVE Dir Televised: Downstream To Upstream

Pipe Information

Shape: Round Length Status: Project No. : C-230
 Dia/Ht: 8 Material: VCP Index:
 Length: 217.5 Slope: 1.138 Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.0	5748-101	DS Manhole	1				
2		1.9	Joint	Offset	3				
3		7.1	Joint	Offset	3				
4		12.4		Wye Service	1				
5		14.8		Wye Service	1				
6		17.3	Joint	Offset	2				
7		25.2		Crack-Horizontal / shifted pipe	3				
8		27.4	(can't see the sealoff)	Wye Service	2				
9		28.9	538 N BLUFF / roots inside	Break-In Conn	2				
10		37.6	533 N FOUNTAIN / roots inside	Wye Service	2				
11		40.4		Wye Service	1				
12		63.4		Wye Service	1				
13		66.0		Wye Service	1				
14		81.9	529 N FOUNTAIN / roots inside	Break-In Conn	3				
15		86.8		Infiltration (steady drip)	2				
16		87.4	536 N BLUFF / PVC	Break-In Conn	0				
17		88.6		Wye Service	1				
18		91.3		Wye Service	0				
19		114.4		Wye Service	1				
20		117.0	530 N BLUFF	Wye Service	1				
21		129.5	525 N FOUNTAIN / poor cond. 4"	Break-In Conn	3				
22		139.7		Wye Service	1				
23		142.4	522 N BLUFF / roots	Wye Service	1				
24		165.5		Wye Service	1				
25		168.1		Wye Service	1				
26		188.3		Wye Service	1				
27		191.0		Wye Service	1				
28		208.9		Wye Service	1				
29		211.6		Wye Service	1				
30		214.1	Debris 4	DEBRIS AT MANHOLE # 102 CAMERA CAN'T ENTER / paper, etc piled up					

There are some heavy mineral deposits at the joints / pipe needs lined to keep out the infiltration.



Video Inspection Master Report

1/2/2013

2:35 PM

US Structure: 5748-101 **542 N BLUFF AVE** **Date Insp:** 6/7/2012 **Basin:** EC02A
DS Structure: 5748-079 **557 N FOUNTAIN AVE** **Dir Televised:** Downstream To Upstream

Pipe Information

Shape: Round	Length Status:	Project No. : C-230
Dia/Ht: 8	Material: VCP	Index:
Length: 227.0	Slope: 1.101	Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		6.9		5748-079 DS Manhole	1				
2		8.1	Joint	Offset	2				
3		8.6		Wye Service	1				
4		11.2		Wye Service	1				
5		34.0		Wye Service	1				
6		36.6		Wye Service	1				
7		36.7	557 N FOUNTAIN	Break-In Conn	4				(pipe missing below the tap) / poor cond.
8		59.4		Wye Service	1				
9		59.5	Joint	Offset	0				
10		61.9		Wye Service	1				
11		64.4	558 N BLUFF	Break-In Conn	4				(ball of roots)
12		74.6	Joint	Offset	2				
13		77.2	Joint	Offset	2				
14		85.1		Wye Service	1				
15		87.2	550 N FOUNTAIN	Break-In Conn	2				
16		110.5		Wye Service	1				
17		112.9		Wye Service	0				
18		135.5	549 N FOUNTAIN	Wye Service	0				(roots inside)
19		138.4	546 N BLUFF	Wye Service	1				
20		143.4	Joint	Offset	2				
21		161.1		Wye Service	1				
22		162.4	539 N FOUNTAIN	Break-In Conn	3				
23		163.6		Wye Service	1				
24		186.6		Wye Service	1				
25		189.1	542 N BLUFF	Wye Service	1				
26		191.7	Joint	Offset	3				
27		196.7	Joint	Offset	2				
28		199.2	Joint	Offset	3				
29		211.9	537 N FOUNTAIN	Wye Service	2				(roots inside)
30		214.7		Wye Service	1				
31		227.8		5748-101 US Manhole	1				

Lots of roots at the joints are not called out on this log.

Golf Course

Install 45 lf of 8" Cured-in-Place Liner from MH 5748-131 to MH 5748-127

MH 5748-131
3909 E. Murdock
(in driveway)
Approx depth = 9.7 ft

MH 5748-127
3821 Sleepy Hollow
(between fences)
Approx depth = 13.3 ft

Murdock

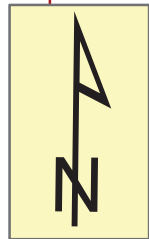
3909

3821

VCP/CIPP

Private Line

Bluff



Sleepy Hollow

VCP/CIPP
288'

VCP/CIPP

SITE 8



E MURDOCK AVE

3909

3821

N BLUFF AVE

E SLEEPY HOLLOW DR

E PINE KNOT CT





Video Inspection Master Report

9/24/2012

7:59 AM

US Structure: **5748-131** 3909 E MURDOCK ST Date Insp: 7/24/2012 Basin: EC02A
 DS Structure: **5748-127** 3817 E SLEEPY HOLLOW DR Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Project No. : C-051
 Dia/Ht: 8 Material: VCP
 Length: 44.5 Slope: 1.023

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Clean	
1		0.0	(In concrete driveway)	5748-131 US Manhole	1				
2		0.0	3909 EAST MURDOCK	MH Tap / Break-In Conn (tap is high on wall, between the steps) (steps catch paper)	1				
3		3.0	Faces 3821 EAST MURDOCK	W. Wye Service (this could be dead, needs to be checked / broken first joint outside of the main)	1				
		6.0	(televisor did not stop and look)	E. Wye Service					
4		8.8		Crack-Horizontal	2				
5		11.9	3821 E. SLEEPY HOLLOW	PVC Break-In Conn	1				
6		15.3		Crack-Horizontal	3				
7		21.0		Crack-Horizontal	2				
8		24.4		Roots	3				
9		32.5		Sealed Off Wye	1				
10		34.1		Crack-Horizontal	3				
11		35.6		Sealed Off Wye	1				
12		45.0	(between fences)	DS Manhole 5748-127	1				

Lots of roots at joints that are not noted on this log.