

MH # 5749-169  
 Replace Manhole Frame & Cover  
 Remove & Replace Manhole Bench & Invert  
 Approx depth = 9.2 ft

MH # 5749-172  
 Adjust Manhole to Grade  
 (visible but in a low spot)  
 Remove & Replace Manhole Bench & Invert  
 Approx depth = 10.5 ft

MH # 5749-168  
 Replace Manhole Frame & Cover  
 Remove & Replace Manhole Bench & Invert  
 Approx depth = 10.6 ft

MH # 5749-170  
 Replace Manhole Frame & Cover  
 Remove & Replace Manhole Bench & Invert  
 Approx depth = 10.6 ft

Point Repair:  
 Remove and replace approx 70 lf of 8" pipe,  
 from MH 5947-172 to 70 lf southwest of  
 MH 5947-172 (see tv log)

MH # 5749-171  
 Replace Manhole Frame & Cover  
 Approx depth = 10.0 ft

Point Repair:  
 Remove and replace approx 5 lf of 8" pipe,  
 located at approx 110 lf north of MH 5749-176.  
 (see tv log / metal rod in invert of pipe)

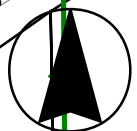
MH # 5749-177  
 Replace Manhole Frame & Cover  
 Approx depth = 11.0 ft

Remove & replace 146 lf of 8" pipe  
 from MH 5749-178 to MH 5749-176  
 Remove & replace 175 lf of 8" pipe,  
 from MH 5749-177 to MH 5749-176

MH # 5749-176  
 Replace Manhole Frame & Cover  
 Remove & Replace Manhole Bench & Invert  
 Approx depth = 12.9 ft  
 (access manhole from Regents Street)

MH # 5749-178  
 Replace Manhole Frame & Cover  
 (stump removal incidental to project)  
 Approx depth = 14.0 ft

**SITE 1**





# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-172  
DS Manhole: 5749-171

1732 N BRAINARD ST  
1727 N BRAINARD ST

Date Insp: 2/21/2007  
Dir Televised: Upstream To Downstream

Basin: EC02B

## Pipe Information

Shape:	Round	Length Status:	Project No.:	F-134
Dia/Ht Width:	8 0	Material:	Index:	
Length:	124.0	Slope:	Surface:	Rear Easement

## Inspection Information

Crew:	690	Percent Full:	Tape ID:	DVD #0251
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Obs. #	VTR Counter	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole	5749-172	1		0.000	0	0	0.000
ACCESSIBLE FROM THE VACANT LOT ON SE CORNER OF 17 <sup>TH</sup> & BRAINARD										
2		8.1	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
3		10.8	Joint	Offset	3		0.010	20	0	0.010
4		12.7	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
5		15.1	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
6		16.8	Joint	Offset	2		0.000	0	0	0.000
7		19.9	Joint	Offset	3		0.010	20	0	0.010
8		20.8	Invert	Broken Pipe	4		0.030	78	0	0.030
					NEEDS REPAIR					
9		21.5	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
10		26.3	Lower Left	Broken Pipe	4		0.030	78	0	0.030
					NEEDS REPAIR					
11		30.9	Lower Left	Broken Pipe	4		0.030	78	0	0.030
					NEED REPAIR					
12		35.1	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
13		38.0	Invert	Broken Pipe	4		0.030	78	0	0.030
					NEEDS REPAIR					
14		48.1	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
15		49.9	Lower Left	Broken Pipe	4		0.030	78	0	0.030
					NEEDS REPAIR					
16		53.8	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
17		55.4	Joint	Offset (fairly bad)	3		0.010	20	0	0.010
18		59.0	North	Break-In Conn	2		0.002	0	0	0.002
					6" Break In Connection CONN NEEDS SEALED OFF / vacant lot now					
19		61.7	Invert	Broken Pipe	4		0.030	78	0	0.030
					NEEDS REPAIR / invert sticks up					
20		66.9	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
21		71.1	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
22		79.1	Joint	Offset	3		0.010	20	0	0.010
23		91.1	Joint	Offset	3		0.010	20	0	0.010
24		94.2	Joint	Offset	3		0.010	20	0	0.010
25		97.0	Joint	Offset	3		0.010	20	0	0.010
26		103.1	Joint	Offset	2		0.000	0	0	0.000
27		108.9	Joint	Offset	3		0.010	20	0	0.010
28		114.9	Joint	Offset	3		0.010	20	0	0.010
29		120.9	Joint	Roots	3		0.008	5	8	0.008
30		123.7	DS Manhole 5749-171		3		0.000	0	0	0.000

UPSTREAM 70 LF NEEDS REPLACED / SHOULD BE ABLE TO MISS THE TREE ON EAST CURB LINE OF BRAINARD

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-176  
DS Manhole: 5749-170

1720 N FOUNTAIN ST  
1762 N FOUNTAIN ST

Date Insp: 2/16/2007  
Dir Televised: Upstream To Downstream

Basin: EC02B

## Pipe Information

Shape:	Round	Length Status:	Project No.:	F-134
Dia/Ht Width:	8 0	Material:	Index:	
Length:	377.8	Slope:	Surface:	Rear Easement
Pipe Sec Length:	Comment:			

## Inspection Information

Crew:	690	Percent Full:	Tape ID:	DVD #0251
Weather:	Sunny	Purpose:	Counter Start:	

Obs. #	VTR Counter	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1	0.0		US Manhole	5749-176	1		0.000	0	0	0.000
			USMH ACCESSIBLE FROM REGENTS STREET							
2	1.1		Lower Left	Crack-Radial	3		0.004	5	0	0.004
3	4.4		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
4	7.1		Crown	Crack-Horizontal	2		0.002	2	0	0.002
5	10.7		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
6	13.6		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
7	16.9		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
8	18.0		Joint	Offset	3		0.010	20	0	0.010
9	18.5		West	Wye Service	2		0.000	0	0	0.000
			<b>1720 N FOUNTAIN / FULL OF ROOTS</b> 4" Clay Wye Connection							
10	44.4		Joint	Offset	2		0.000	0	0	0.000
11	47.6		OFFSET JOINT	Broken Pipe	2		0.008	44	0	0.008
12	48.2			Sag starts	4		0.000	10	0	0.000
13	49.6			Sag ends	1		0.000	1	0	0.000
14	51.5		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
15	54.3		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
16	58.0		East	Break-In Conn	3		0.004	2	0	0.004
			<b>1715 N BRAINARD</b> 4" Break In Connection							
17	65.8		West	Break-In Conn	3		0.004	2	0	0.004
			<b>1726 N FOUNTAIN</b> 4" Break In Connection							
18	67.2		Lower Left	Crack-Radial	2		0.002	2	0	0.002
19	68.8		East	Wye Service	1		0.000	0	0	0.000
			4" Clay Wye Connection SEALED OFF							
20	74.8		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
21	78.9		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
22	86.5		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
23	90.4		Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
24	93.4		Upper Left	Crack-Radial	2		0.002	2	0	0.002
25	98.1		Joint	Offset	3		0.010	20	0	0.010
26	98.9		Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
27	100.8		Joint	Offset	2		0.000	0	0	0.000
28	101.5		Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
29	106.1		Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
30	110.2		Upper Left	Crack-Horizontal	4		0.008	10	0	0.008
31	110.6		Lower Right	Broken Pipe	5		0.060	100	0	0.060

**NEEDS REPAIR, CAMERA WON'T PASS**

There is a rod or something punched into the bottom of the sewer main. Plan on a 5' repair due to all the broken pipe at this point.

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-176  
DS Manhole: 5749-170

1720 N FOUNTAIN ST  
1762 N FOUNTAIN ST

Date Insp: 2/20/2007  
Dir Televised: Downstream To Upstream

Basin: EC02B

## REVERSE SETUP:

Obs. #	VTR Counter	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	DS Manhole	5749-170 / TV AGAINST THE FLOW						
MH LOCATED IN WEST PARKING OF BRAINARD										
2		0.1	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
3		8.0	Offset Joint	Sag begins	3		0.010	20	0	0.010
4		8.8	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
5		11.0	Joint	Offset	3		0.010	20	0	0.010
6		11.9	Lower Right	Crack-Horizontal	3		0.004	5	0	0.004
7		13.3	Camera Lens Submerged		4		0.000	10	0	0.000
8		19.0	Camera Lens Emerged	Sag ends	1		0.000	1	0	0.000
(Sag is fairly bad, but the downstream 110 lf is cracked so it would be hard to find good pipe to repair prior to liner installation.)										
9		19.0	West	Break-in-conn						
1754 N FOUNTAIN 4" Break In Connection										
10		22.1	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
11		24.3	Upper Left	Crack-Horizontal	4		0.008	10	0	0.008
12		25.8	Joint	Offset	2		0.000	0	0	0.000
13		26.9	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
15		31.7	Joint	Offset	2		0.000	0	0	0.000
16		34.2	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
14		37.2	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
17		37.4	Crown	Crack-Horizontal	3		0.004	5	0	0.004
18		40.7	Joint	Offset	2		0.000	0	0	0.000
19		47.2	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
20		49.5	Joint	Offset	2		0.000	0	0	0.000
21		51.6	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
22		54.7	Lower Left	Broken Pipe	3		0.010	60	0	0.010
23		58.3	Joint	Offset	3		0.010	20	0	0.010
24		61.9	Invert	Crack-Horizontal	3		0.004	5	0	0.004
25		64.4	Joint	Offset	3		0.010	20	0	0.010
26		69.4	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
27		73.8	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
28		76.2	Joint	Offset	4		0.030	60	0	0.030
29		78.5	West	Wye Service	2		0.000	0	0	0.000
1748 N FOUNTAIN 4" Clay Wye Connection										
30		79.2	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
31		82.7	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
32		89.2	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
33		97.5	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
34		106.8	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
35		111.8	Joint	Offset	2		0.000	0	0	0.000
36		117.8	Joint	Offset	2		0.000	0	0	0.000
37		118.2	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
38		120.6	Joint	Offset	2		0.000	0	0	0.000
39		123.6	Joint	Offset	3		0.010	20	0	0.010
40		125.8	East	Break-In Conn	1		0.001	0	0	0.001
1727 N BRAINARD 4" Predco Saddle										
41		127.0	Crown	Crack-Horizontal	2		0.002	2	0	0.002
42		130.7	Lower Right	Crack-Horizontal	3		0.004	5	0	0.004
43		134.5	Invert	Crack-Horizontal	3		0.004	5	0	0.004
44		137.9	West	Break-In Conn	4		0.008	60	0	0.008
1742 N FOUNTAIN 4" Break In Connection PVC PIPE STICKING THRU SADDLE										
45		144.4	Joint	Offset	2		0.000	0	0	0.000
46		150.3	Joint	Offset	3		0.010	20	0	0.010

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-176      1720 N FOUNTAIN ST      Date Insp: 2/20/2007      Basin: EC02B  
DS Manhole: 5749-170      1762 N FOUNTAIN ST      Dir Televised: Downstream To Upstream

47	150.3	Upper Left	Crack-Radial	2	0.002	2	0	0.002
48	151.0	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
49	153.1	Joint	Offset	2	0.000	0	0	0.000
50	156.2	Joint	Offset	3	0.010	20	0	0.010
51	159.8	Lower Right	Crack-Horizontal	3	0.004	5	0	0.004
52	161.6	Lower Left	Crack-Radial	3	0.004	5	0	0.004
53	162.9	Lower Left	Crack-Horizontal	3	0.004	5	0	0.004
54	169.2	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
55	173.8	Joint	Offset	3	0.010	20	0	0.010
56	175.2	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
57	176.8	Joint	Offset	2	0.000	0	0	0.000
58	176.8	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
59	180.3	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
60	182.8	Joint	Offset	2	0.000	0	0	0.000
61	186.4	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
62	188.3	West	Break-In Conn	2	0.002	0	0	0.002
<b>1738 N FOUNTAIN</b>			4" Break In Connection					
63	189.3	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
64	196.1	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
65	199.1	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
66	200.9	Invert	Crack-Horizontal	3	0.004	5	0	0.004
67	213.7	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
68	221.9	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
69	224.3	Joint	Offset	2	0.000	0	0	0.000
70	226.0	Upper Left	Crack-Horizontal	2	0.002	2	0	0.002
71	227.2	Joint	Offset	3	0.010	20	0	0.010
72	230.0	Lower Left	Crack-Horizontal	3	0.004	5	0	0.004
73	233.0	Joint	Offset	3	0.010	20	0	0.010
74	235.3	East	Break-In Conn	1	0.001	0	0	0.001
<b>1721 N BRAINARD</b>			4" Break In Connection					
75	236.5	Joint	Offset	3	0.010	20	0	0.010
76	237.0	Lower Left	Crack-Horizontal	3	0.004	5	0	0.004
77	243.4	Crown	Crack-Radial	2	0.002	2	0	0.002
78	244.3	West	Break-In Conn	1	0.001	0	0	0.001
<b>1732 N FOUNTAIN / PVC</b>			4" Predco Saddle					
79	248.0	Invert	Crack-Horizontal	3	0.004	5	0	0.004
80	254.1	Invert	Crack-Horizontal	3	0.004	5	0	0.004
81	257.7	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
82	259.5	Joint	Offset	2	0.000	0	0	0.000
83	260.6	Lower Right	Broken Pipe	5	0.060	100	0	0.060

**MATCH POINT , LINE NEEDS REPAIR**

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-177  
DS Manhole: 5749-176

4140 E REGENT ST  
1720 N FOUNTAIN ST

Date Insp: 2/21/2007  
Dir Televised: Upstream To Downstream

Basin: EC02B

## Pipe Information

Shape:	Round	Length Status:	Project No.:	F-134
Dia/Ht Width:	8 0	Material:	Index:	
Length:	175.0	Slope:	Surface:	Rear Easement

## Inspection Information

Crew:	690	Percent Full:	Tape ID:	DVD #0251
Weather:	Sunny	Purpose:	Counter Start:	
Surface Cond:	N/A	Flow:	Counter Stop:	

Obs. #	VTR Counter Svc. Address	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole		1		0.000	0	0	0.000
2		7.0	South	Break-In Conn	1		0.001	0	0	0.001
<b>4140 E REGENTS / PVC</b>				4" Predco Saddle						
3		7.7	Joint	Offset	3		0.010	20	0	0.010
4		7.7	Joint	Roots	2		0.004	2	4	0.004
5		11.2	Joint	Offset	3		0.010	20	0	0.010
6		13.9	Lower Left	Crack-Horizontal	3		0.004	5	0	0.004
7		17.0	Joint	Offset	2		0.000	0	0	0.000
8		18.8	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
9		31.5	Joint	Offset	4		0.030	60	0	0.030
10		37.2	Lower Left	Crack-Horizontal	4		0.008	10	0	0.008
11		47.3	Crown	Crack-Horizontal	3		0.004	5	0	0.004
12		49.1	Joint	Offset	3		0.010	20	0	0.010
13		52.2	Joint	Offset	3		0.010	20	0	0.010
14		55.1	Joint	Offset	3		0.010	20	0	0.010
15		56.0	South	Wye Service	1		0.000	0	0	0.000
<b>4134 E REGENTS</b>				4" Clay Wye Connection						
16		58.0	Joint	Offset	2		0.000	0	0	0.000
17		61.1	Joint	Offset	3		0.010	20	0	0.010
18		64.0	Joint	Offset	4		0.030	60	0	0.030
19		70.3	Lower Right	Broken Pipe	4		0.030	78	0	0.030
NEEDS REPAIR										
20		71.0	Lower Right	Debris / BROKEN PIPE	5		0.000	0	75	0.000
3-HOLE HOUSE BRICK IN SEWER MAIN, LAYED CROSSWAYS DOWN IN FLOWLINE										
21		76.0	Joint	Offset	3		0.010	20	0	0.010
22		78.8	Joint	Offset	3		0.010	20	0	0.010
23		82.1	Joint	Offset	3		0.010	20	0	0.010
24		85.1	Joint	Offset	3		0.010	20	0	0.010
25		87.9	Joint	Offset	3		0.010	20	0	0.010
26		90.7	Joint	Offset	3		0.010	20	0	0.010
27		90.8	Crown	Crack-Horizontal	3		0.004	5	0	0.004
28		96.9	Lower Right	Debris	3		0.000	0	0	0.000
3-HOLE HOUSE BRICK IN SEWER MAIN, LAYED CROSSWAYS DOWN IN FLOWLINE										
29		96.9	Invert	Broken Pipe	5		0.060	100	0	0.060
30		99.7	Invert	Broken Pipe	5		0.060	100	0	0.060
3-HOLE HOUSE BRICK IN SEWER MAIN, LAYED CROSSWAYS DOWN IN FLOWLINE										
31		108.3	Joint	Offset	3		0.010	20	0	0.010
32		111.4	Joint	Offset	3		0.010	20	0	0.010
33		114.5	Joint	Offset	3		0.010	20	0	0.010
34		117.3	Joint	Offset	4		0.030	60	0	0.030
NEEDS REPAIR / fairly bad offset										

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-177  
DS Manhole: 5749-176

4140 E REGENT ST  
1720 N FOUNTAIN ST

Date Insp: 2/21/2007  
Dir Televised: Upstream To Downstream

Basin: EC02B

35	117.9	South	Wye Service	1	0.000	0	0	0.000
<b>4128 E REGENTS</b>			4" Clay Wye Connection	FULL OF ROOTS				
36	120.6	Lower Left	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
37	123.2	Joint	Offset	3	0.010	20	0	0.010
38	126.1	Lower Right	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
39	135.4	Lower Right	Broken Pipe	3	0.010	60	0	0.010
NEEDS REPAIR								
40	140.9	Lower Left	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
41	147.0	Joint	Offset	4	0.030	60	0	0.030
NEEDS REPAIR								
42	150.1	Joint	Offset	3	0.010	20	0	0.010
43	162.5	South	Wye Service	3	0.000	2	0	0.000
<b>4118 E REGENTS</b>			4" Clay Wye Connection	ROOTS				
44	165.7	Invert	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
45	168.1	Invert	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
46	169.1	Upper Right	Broken Pipe	4	0.030	78	0	0.030
NEEDS REPAIR								
47	171.2	DS Manhole		3	0.000	0	0	0.000
INSIDE DROP / THIS MANHOLE ACCESSIBLE FROM REGENTS STREET								

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-178  
DS Manhole: 5749-176

1702 N FOUNTAIN ST  
1720 N FOUNTAIN ST

Date Insp: 2/16/2007  
Dir Televised: Up->Down

Basin: EC02B

## Pipe Information

Shape: Round Length Status: Project No.: F-134  
Dia/Ht Width: 8 0 Material: VCP Index:  
Length: 146.6 Slope: 0.136 Surface: Rear Easement

## Inspection Information

Crew: 690 Percent Full: Tape ID: DVD #0251  
Weather: Sunny Purpose: TV Existing Line Counter Start:  
Surface Cond: Trees, Fences, Buildings Flow: Normal Flow Counter Stop:

## Obs. VTR

#	Counter	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1	CO-0 H2S-0	0.0	US Manhole		1		0.000	0	0	0.000
	O2-20.5		LEL-0							
2		7.3	Joint	Roots	3		0.008	5	8	0.008
3		7.9	West	Wye Service	2		0.000	0	0	0.000
				4" Clay Wye Connection						PACKED WITH ROOTS, ROOTS HANG INTO MAIN FLOWLINE
4		10.3	Joint	Roots	3		0.008	5	8	0.008
5		13.4	Joint	Roots	4		0.010	10	25	0.010
6		16.3	Joint	Roots	3		0.008	5	8	0.008
7		22.1	Joint	Offset	2		0.000	0	0	0.000
8		28.4	Upper Right	Crack-Radial	2		0.002	2	0	0.002
9		28.8	Crown	Crack-Horizontal	2		0.002	2	0	0.002
10		30.1	Lower Left	Crack-Horizontal	2		0.002	2	0	0.002
11		31.1	Joint	Roots	2		0.004	2	4	0.004
12		31.7	Upper Left	Crack-Horizontal	2		0.002	2	0	0.002
13		34.0	Joint	Roots	3		0.008	5	8	0.008
14		37.0	Joint	Roots	2		0.004	2	4	0.004
15		39.9	Joint	Offset	3		0.010	20	0	0.010
16		39.9	Joint	Roots	2		0.004	2	4	0.004
17		43.0	Joint	Roots	4		0.010	10	25	0.010
18		45.9	Joint	Roots	3		0.008	5	8	0.008
19		51.7	Joint	Roots	4		0.010	10	25	0.010
20		54.6	Joint	Roots (covers dia of pipe)	5		0.030	18	100	0.030
21		57.6	West	Break-In Conn	3		0.004	2	0	0.004
				4" Break In Connection						Roots around outside of tap
22		60.4	Joint	Roots	2		0.004	2	4	0.004
23		63.5	Joint	Roots	3		0.008	5	8	0.008
24		64.4	Lower Left	Crack-Radial	3		0.004	5	0	0.004
25		64.4	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
26		66.6	Joint	Roots	3		0.008	5	8	0.008
27		67.4		Crack-Horizontal	4		0.008	10	0	0.008
				WITH ROOTS						
28		67.5	Lower Right	Broken Pipe	5		0.060	100	0	0.060
				TILE MISSING IN BOTTOM OF PIPE						
29		69.4	Joint	Roots	3		0.008	5	8	0.008
30		72.4	Joint	Roots	3		0.008	5	8	0.008
31		73.5	Invert	Broken Pipe	4		0.030	78	0	0.030
32		73.7		Crack-Horizontal	3		0.004	5	0	0.004
				WITH ROOTS						
33		75.6	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
34		78.2	Joint	Roots	3		0.008	5	8	0.008
35		79.0	Upper Left	Crack-Horizontal	3		0.004	5	0	0.004
36		81.3	Joint	Roots	2		0.004	2	4	0.004
37		82.7	Invert	Broken Pipe	4		0.030	78	0	0.030
				NEEDS REPAIR						

# Television Inspection Master Report

7/31/2007  
9:04:40AM

US Manhole: 5749-178  
DS Manhole: 5749-176

1702 N FOUNTAIN ST  
1720 N FOUNTAIN ST

Date Insp: 2/16/2007  
Dir Televised: Up->Down

Basin: EC02B

38	84.3	Joint	Roots	2	0.004	2	4	0.004
39	87.1	Joint	Roots	2	0.004	2	4	0.004
40	88.0	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
41	90.1	Joint	Offset	3	0.010	20	0	0.010
42	92.9	Lower Right	Crack-Horizontal	3	0.004	5	0	0.004
43	105.0	Lower Left	Crack-Horizontal	3	0.004	5	0	0.004
44	107.8	Joint	Offset	2	0.000	0	0	0.000
45	108.6	West	Wye Service	2	0.000	0	0	0.000
<b>1716 N FOUNTAIN</b>		4" Clay Wye Connection		<b>ROOTS</b>				
46	128.6	Joint	Offset	2	0.000	0	0	0.000
47	137.5	Joint	Offset	2	0.000	0	0	0.000
48	139.7	Camera Lens Submerged	Sag	4	0.000	10	0	0.000
STARTS								
49	141.9	Joint	Offset	4	0.030	60	0	0.030
Needs Repair								
50	142.1	Camera Lens Emerged	Sag	1	0.000	1	0	0.000
SAG ENDS								
51	142.1	Upper Left	Broken Pipe	3	0.010	60	0	0.010
NEEDS REPAIR								
52	144.1	Lower Right	Debris	3	0.000	0	0	0.000
				LOOSE TILE IN MH				
53	146.5	DS Manhole 5749-176		3	0.000	0	0	0.000