

1-1

POINT REPAIR:
Remove and replace 11 lf of 8" pipe from west wall of MH 6047-209 to 11 lf west of MH 6047-209
AND
Remove and replace 6 lf of 8" pipe from east wall of MH 6047-209 to 6 lf east of MH 6047-209

MH # 6047-209
Replace Manhole Frame & Cover
Approx depth = 10.0 ft

MH # 6047-208
Replace Manhole Frame & Cover
Rework Manhole Bench & Invert
Approx depth = 11.5 ft

ROCK ROAD

MORNINGSIDE

8002

MH # 6047-211

8020

MH # 6047-210

8102

8114

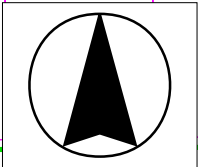
MH # 6047-207

MOCKINGBIRD

HEATHER

WILLOWBROOK

SITE 1



1-2

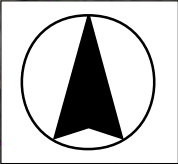
ROCK

MORNINGSIDE

MOCKINGBIRD

HEATHER

Aerial View



Television Inspection Master Report

5/20/2004
3:54:26PM

US Manhole: 6047-210 8020 E MOCKINGBIRD LA **Date Insp:** 2/11/2004 **Basin:** E01G1
DS Manhole: 6047-209 8102 E MOCKINGBIRD LA

Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: J-011
Dia/Ht Width: 8 0 Material: VCP Index:
Length: 251.6 Slope: 0.774 Surface:
Pipe Sec Length: Comment: LINE REPAIR FROM 165' TO 170' WEST OF #210 BY SEWER MAINTENANCE
(RETRIEVE CLEANER NOZZLE AND AUGER AND RODS FROM LINE) 02-20-2001 TGC
#####

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 4234
Weather: Cloudy Purpose: TV Existing Line Counter Start:
Surface Cond: Trees & Fences Flow: Normal Flow Counter Stop:

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole		1					0.000
2		12.0	Joint	Roots	2		0.004	2	4	0.004
3		20.0	Joint	Roots	1		0.002	1	1	0.002
4		28.0	Joint	Roots	2		0.004	2	4	0.004
5		28.0	Joint	Offset	1		0.000	0	0	0.000
6		38.0	North	Wye Service	3		0.000	2	0	0.000
8021 E MORINGSIDE										
7		38.0	South	Wye Service	3		0.000	2	0	0.000
8020 E MOCKINGBIRD / roots										
8		41.0	North	Wye Service / Sealed	1		0.000	0	0	0.000
9		72.0	Crown	Broken Pipe	4		0.030	78	0	0.030
10		72.0	Invert	Broken Pipe	4		0.030	78	0	0.030
11		76.0	Crown	Broken Pipe	4		0.030	78	0	0.030
12		96.0	Crown	Broken Pipe	4		0.030	78	0	0.030
13		104.0	Crown	Broken Pipe	3		0.010	60	0	0.010
14		108.0	Crown	Broken Pipe	3		0.010	60	0	0.010
15		120.0	Crown	Broken Pipe	3		0.010	60	0	0.010
16		136.0	Crown	Broken Pipe	2		0.008	44	0	0.008
17		145.0	South	Wye Service	2		0.000	0	0	0.000
8026 E MOCKINGBIRD										
18		147.0	North	Wye Service	2		0.000	0	0	0.000
8027 E MORINGSIDE										
19		152.0	Crown	Broken Pipe	2		0.008	44	0	0.008
20		156.0	Crown	Broken Pipe	2		0.008	44	0	0.008
21		156.0	Invert	Broken Pipe	2		0.008	44	0	0.008
22		163.0	Crown	Broken Pipe	1		0.004	30	0	0.004
23		167.0	Joint	REPAIR PVC BEGIN						
24		172.0	Joint	REPAIR PVC END						
25		175.0	Crown	Broken Pipe	3		0.010	60	0	0.010
26		175.0	Invert	Broken Pipe	3		0.010	60	0	0.010
27		183.0	Joint	Roots	2		0.004	2	4	0.004
28		183.0	Joint	Offset	2		0.000	0	0	0.000
29		187.0	Joint	Roots	3		0.008	5	8	0.008
30		191.0	Joint	Roots	2		0.004	2	4	0.004
31		196.0	Crown	Broken Pipe	4		0.030	78	0	0.030

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Television Inspection Master Report

5/20/2004
3:54:26PM

US Manhole: 6047-210 8020 E MOCKINGBIRD LA Date Insp: 2/11/2004 Basin: E01G1
DS Manhole: 6047-209 8102 E MOCKINGBIRD LA

32	196.0	Invert	Broken Pipe	4	0.030	78	0	0.030
33	200.0	Joint	Roots	4	0.010	10	25	0.010
34	200.0	Quad 1 / U-Rt	Broken Pipe	4	0.030	78	0	0.030
35	203.0	Joint	Roots	2	0.004	2	4	0.004
36	207.0	Joint	Roots	2	0.004	2	4	0.004
37	212.0	Joint	Roots	2	0.004	2	4	0.004
38	220.0	Joint	Roots	4	0.010	10	25	0.010
39	228.0	Joint	Roots	3	0.008	5	8	0.008
40	229.0	Crown	Crack-Radial	2	0.002	2	0	0.002
41	233.0	Crown	Broken Pipe	4	0.030	78	0	0.030
42	233.0	Invert	Broken Pipe	4	0.030	78	0	0.030
43	241.0	South	Wye Service	2	0.000	0	0	0.000
8102 E MOCKINGBIRD								
44	243.0	North	Wye Service	2	0.000	0	0	0.000
8101 E MORINGSIDE								
45	244.0	Invert	Broken Pipe / Cavity	5	0.060	100	0	0.060
46	244.0	Camera Blocked	Broken Pipe	5	0.060	100	0	0.060

REVERSED SETUP:

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	DS Manhole 6047-209 / TV AGAINST THE FLOW							
2		5.0	Joint	Broken Pipe	5					
3		5.0	Camera Blocked	Broken Pipe		5				

POINT REPAIR: Replace the downstream 11 lf, from 240' east of MH 6047-210 to MH 6047-209, including the replacement of two service connections within that area.

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Television Inspection Master Report

5/20/2004
3:54:26PM

US Manhole: 6047-209
DS Manhole: 6047-208

8102 E MOCKINGBIRD LA
8114 E MOCKINGBIRD LA

Date Insp: 2/11/200

Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: J-011
Dia/Ht Width: 8 0 Material: VCP Index:
Length: 227.4 Slope: 0.828 Surface:
Pipe Sec Length: Comment:

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 4234
Weather: Sunny Purpose: TV Existing Line Counter Start: 0.45.11
Surface Cond: Trees & Fences Flow: Normal Flow Counter Stop: 1.00.27

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 6047-209		1					0.000
2		3.0	Invert	Broken Pipe NEEDS A POINT REPAIR – REPLACE UPSTREAM 6 LF	4		0.030	78	0	0.030
3		24.0	Crown	Broken Pipe	2		0.008	44	0	0.008
4		24.0	Invert	Broken Pipe	3		0.010	60	0	0.010
5		33.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
6		36.0	Invert	Broken Pipe	3		0.010	60	0	0.010
7		39.0	Invert	Broken Pipe	2		0.008	44	0	0.008
		40.0	Quad 1 / U-Rt	Broken Pipe						0.000
8		41.0	Crown	Broken Pipe	1		0.004	30	0	0.004
9		41.0	Invert	Broken Pipe	2		0.008	44	0	0.008
10		44.0	Quad 1 / U-Rt	Crack-Horizontal	2		0.002	2	0	0.002
11		48.0	Quad 4 / U-Lt	Crack-Radial	2		0.002	2	0	0.002
12		51.0	Invert	Broken Pipe	2		0.008	44	0	0.008
13		51.0	Crown	Broken Pipe	2		0.008	44	0	0.008
14		59.0	Crown	Broken Pipe	3		0.010	60	0	0.010
15		59.0	Invert	Broken Pipe	2		0.008	44	0	0.008
16		76.0	Crown	Crack-Horizontal	2		0.002	2	0	0.002
17		79.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008
18		88.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008
19		91.0	Invert	Broken Pipe	4		0.030	78	0	0.030
20		91.0	Crown	Broken Pipe	3		0.010	60	0	0.010
21		97.0	South	Break-In Conn						0.000
			8108 E MOCKINGBIRD / PVC							
		99.0	North	Wye						
			8107 E MORINGSIDE / offset outside of the main							
23		100.0	Invert	Broken Pipe	2		0.008	44	0	0.008
24		164.0	Invert	Broken Pipe	3		0.010	60	0	0.010
25		180.0	Joint	Offset w/flow / Roots	3		0.008	5	8	0.008
26		184.0	Joint	Roots	3		0.008	5	8	0.008
27		199.0	South	Wye Service	2		0.000	0	0	0.000
			8114 E MOCKINGBIRD							
28		200.0	Joint	Roots	2		0.004	2	4	0.004
29		201.0	North	Wye Service	1		0.000	0	0	0.000
			8115 E MORINGSIDE							
30		204.0	Invert	Broken Pipe	3		0.010	60	0	0.010
31		220.0	Crown	Broken Pipe	4		0.030	78	0	0.030
32		224.0	DS Manhole		1					0.000

1-5



In the yard of 8102 Mockingbird, where we need to dig on both sides of the manhole.

I'm standing in the yard, looking north. Randy is standing on MH 6047-209