

7-1

MH # 5445-345  
Replace Manhole Frame & Cover  
Rework Manhole Bench & Invert  
Approx depth = 6.7 ft

Remove and replace 957 lf of 8" pipe  
from MH 5445-345 to MH 5445-339

Remove and replace 601 lf of Concrete  
Alley Pavement from MH 5445-345 to  
the north line of Osie Street

MH # 5445-343  
Replace Manhole Frame & Cover  
Rework Manhole Bench & Invert  
Approx depth = 6.7 ft

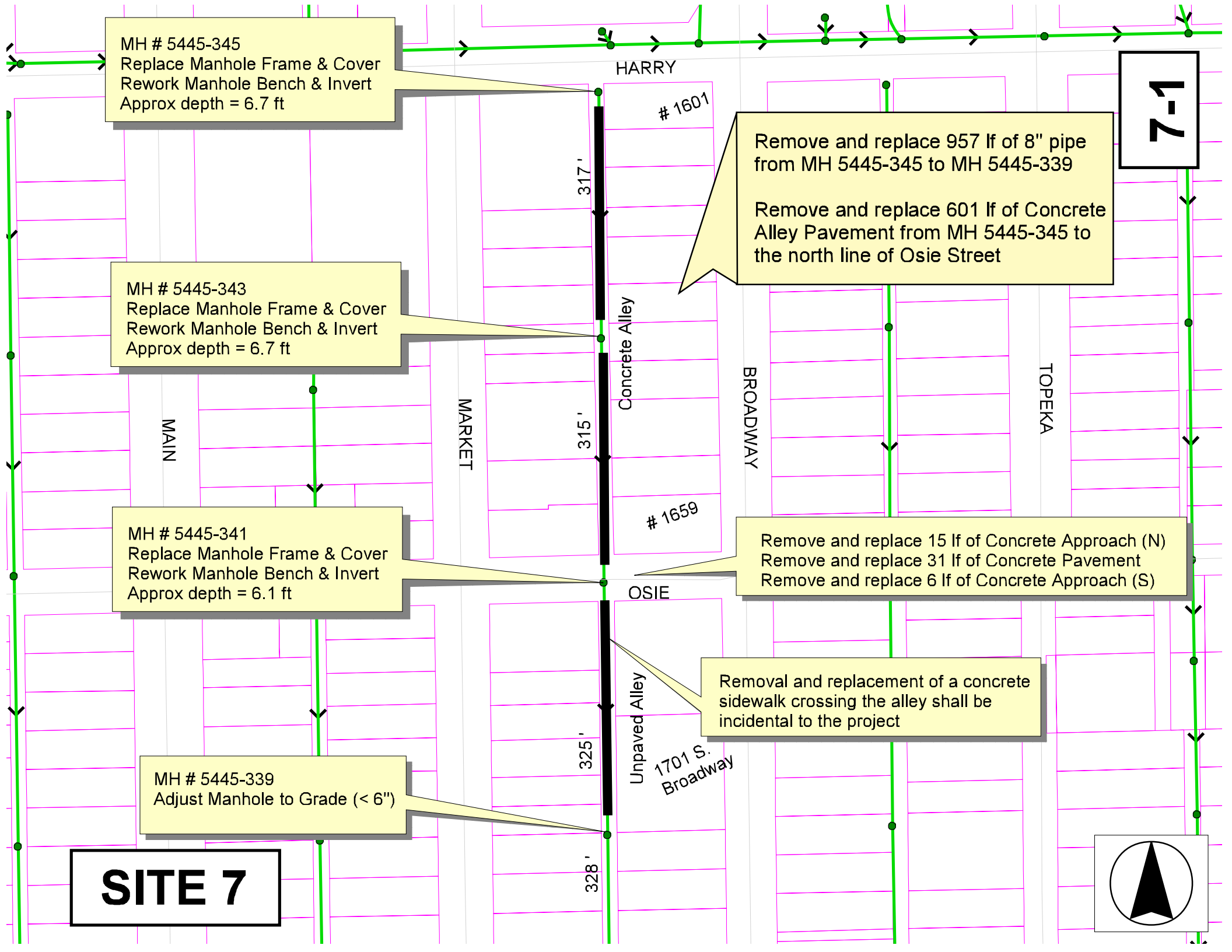
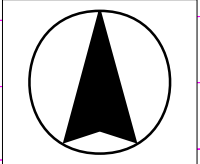
MH # 5445-341  
Replace Manhole Frame & Cover  
Rework Manhole Bench & Invert  
Approx depth = 6.1 ft

Remove and replace 15 lf of Concrete Approach (N)  
Remove and replace 31 lf of Concrete Pavement  
Remove and replace 6 lf of Concrete Approach (S)

MH # 5445-339  
Adjust Manhole to Grade (< 6")

Removal and replacement of a concrete  
sidewalk crossing the alley shall be  
incidental to the project

**SITE 7**



HARRY

# 1601

317'

315'

Concrete Alley

BROADWAY

TOPEKA

# 1659

OSIE

325'

Unpaved Alley

1701 S.  
Broadway

328'

MAIN

MARKET

HARRY

MARKET

BROADWAY

OSIE



7-2



# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-345  
DS Manhole: 5445-343

1601 S BROADWAY AVE  
1629 S BROADWAY AVE

Date Insp: 3/14/2003  
Dir Televised: Upstream To Downstream

Basin: C05D

## Pipe Information

Shape: Round Length Status: Project No.: B-096  
Dia/Ht Width: 8 Material: VCP Index:  
Length: 317.6 Slope: 0.119 Surface:  
Pipe Sec Length: Comment:

## Inspection Information

Crew: 694 Percent Full: 15 Tape ID: V-3866  
Weather: Sunny Purpose: TV Existing Line Counter Start: 0;0

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5445-345							
2		5.0	Invert	Crack-Horizontal	3		0.004	5	0	0.004
3		7.0	Crown	WATER FLUSH OPENING FOR THE TANK M.H.						
4		10.0	Crown	Crack-Radial	3		0.004	5	0	0.004
5		12.0	West	Pipe Seal	1		0.000	0	0	0.000
6		14.0	East	Wye Service	1		0.000	0	0	0.000
1601 S. BROADWAY										
7		35.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
8		37.0	West	Pipe Seal	1		0.000	0	0	0.000
9		39.0	East	Wye Service	3		0.000	2	0	0.000
1601 S. BROADWAY / Service is offset just outside of the main / needs repaired										
10		62.0	West	Pipe Seal	1		0.000	0	0	0.000
11		64.0	East	Pipe Seal	1		0.000	0	0	0.000
12		68.0	Invert	Crack-Radial	3		0.004	5	0	0.004
13		75.0	Crown	Crack-Radial	3		0.004	5	0	0.004
14		77.0	Pipe Seal	(west tap not sealed off at the main / possibly sealed further out)						
15		87.0	Invert	Sag / 35% FLOW						
16		87.0	West	Pipe Seal	1		0.000	0	0	0.000
17		89.0	East	Wye Service	1		0.000	0	0	0.000
1607 S. BROADWAY / Service is offset just outside of the main / needs repaired / cavity										
18		91.0	Invert	Sag / 40% FLOW						
19		98.0	Quad 2 / L-Rt	Crack-Radial	3		0.004	5	0	0.004
20		108.0	Invert	Sag / 45% FLOW						
21		110.0	Invert	Sag / 50% FLOW / began using cleaner to pull down the water						
22		112.0	West	Pipe Seal	1		0.000	0	0	0.000
23		114.0	East	Pipe Seal	1		0.000	0	0	0.000
24		118.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
25		137.0	West	Pipe Seal	1		0.000	0	0	0.000
26		140.0	East	Break-In Conn	1		0.001	0	0	0.001
1611 S. BROADWAY / offset outside of the main / cavity										
27		141.0	East	Break-In Conn	1		0.001	0	0	0.001
1611 S. BROADWAY										
28		144.0	Quad 3 / L-Lt	Crack-Horizontal	3		0.004	5	0	0.004
29		148.0	Invert	Crack-Radial	3		0.004	5	0	0.004
30		150.0	West	Tap / faces parking lot / possibly sealed away from the main						
31		153.0	West	Break-In Conn	1		0.001	0	0	0.001
1614 S. MARKET										
32		159.0	Invert	Crack-Radial	3		0.004	5	0	0.004
33		160.0	Crown	Observation Hole						0.000
THIS O.H. HAS A CAVITY AND NEEDS A POINT REPAIR.										
34		162.0	West	Pipe Seal	1		0.000	0	0	0.000
35		162.0	Invert	Debris / Tile	5		0.000	0	75	0.000

CAMERA CANNOT PASS THE PIECE OF TILE IN THE LINE. WE WILL REVERSE OUR SET-UP.

**7-3**

# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-345  
DS Manhole: 5445-343

1601 S BROADWAY AVE  
1629 S BROADWAY AVE

Date Insp: 3/14/2003

Basin: C05D

## REVERSE SETUP:

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	DS Manhole / TV AGAINST THE FLOW FROM 5445-343 TOWARD 5445-345							
2		4.0	Quad 2 / L-Rt	Crack-Radial	2		0.002	2	0	0.002
3		5.0	East	Wye Service	1		0.000	0	0	0.000
1629 S. BROADWAY										
4		8.0	West	Wye Service	1		0.000	0	0	0.000
1632 S. MARKET / offset outside of the main										
5		30.0	East	Pipe Seal	1		0.000	0	0	0.000
6		33.0	West	Wye Service	1		0.000	0	0	0.000
1620 S. MARKET										
7		38.0	Crown	Crack-Radial	3		0.004	5	0	0.004
8		54.0	East	Break-In Conn	1		0.001	0	0	0.001
1627 S. BROADWAY										
9		56.0	East	Pipe Seal	1		0.000	0	0	0.000
10		58.0	West	Pipe Seal	1		0.000	0	0	0.000
11		70.0	East	Extended Tap	1		0.002	0	0	0.002
1623 S. BROADWAY										
12		72.0	Crown	Crack-Radial	3		0.004	5	0	0.004
13		80.0	East	Pipe Seal	1		0.000	0	0	0.000
14		83.0	West	Pipe Seal	1		0.000	0	0	0.000
15		100.0	Crown	Crack-Radial	3		0.004	5	0	0.004
16		105.0	East	Pipe Seal	1		0.000	0	0	0.000
17		108.0	West	Wye Service	1		0.000	0	0	0.000
1618 S. BROADWAY										
18		115.0	Quad 2 / L-Rt	Crack-Horizontal	3		0.004	5	0	0.004
19		119.0	Invert	Debris	5		0.000	0	75	0.000
20		121.0	West	Break-In Conn	1		0.001	0	0	0.001
1616 S. MARKET										
21		130.0	East	Wye Service	1		0.000	0	0	0.000
1613 S. BROADWAY										
22		133.0	West	Pipe Seal	1		0.000	0	0	0.000
23		138.0	Invert	Sag						0.000
30% FLOW										
24		141.0	East	Wye Service	1		0.000	0	0	0.000
1615 S. BROADWAY										
25		146.0	Invert	Sag / OUT OF SAG						
26		153.0	East	Pipe Seal	1		0.000	0	0	0.000
27		153.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
28		156.0	AT SAME PLACE WHERE CAMERA STOPPED ABOVE							

7-4

# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-343  
DS Manhole: 5445-341

1629 S BROADWAY AVE  
1655 S BROADWAY AVE

Date Insp: 3/17/2003

Basin: C05D

Dir Televised: Upstream To Downstream

## Pipe Information

Shape: Round Length Status: Project No.: B-096  
Dia/Ht Width: 8 Material: VCP Index:  
Length: 315.6 Slope: 0.120 Surface:  
Pipe Sec Length: Comment: LINE REPAIRED BY SEWER MAINTENANCE FROM 132'6" TO 161' SOUTH OF MH #343.  
WORK COMPLETED 11-07-2001 TGC #####

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5445-343							
2		2.0	Invert	Broken Pipe	5		0.060	100	0	0.060
3		9.0	Invert	Broken Pipe	3		0.010	60	0	0.010
4		10.0	Invert	Broken Pipe	3		0.010	60	0	0.010
5		11.0	Crown	Crack-Radial	3		0.004	5	0	0.004
6		11.0	Invert	Crack-Radial	2		0.002	2	0	0.002
7		20.0	West	Pipe Seal	1		0.000	0	0	0.000
8		23.0	East	Pipe Seal	1		0.000	0	0	0.000
9		45.0	West	Wye Service	3		0.000	2	0	0.000
			1636 S. MARKET / service is broken outside of the main							
10		46.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
11		48.0	East	Wye Service	1		0.000	0	0	0.000
			1633 S. BROADWAY							
12		54.0	Crown	Crack-Radial	3		0.004	5	0	0.004
13		59.0	Invert	Crack-Radial	3		0.004	5	0	0.004
14		61.0	Crown	Crack-Radial	3		0.004	5	0	0.004
15		68.0	East	Break-In Conn	1		0.001	0	0	0.001
			1643 S. BROADWAY							
16		70.0	West	Pipe Seal	1		0.000	0	0	0.000
17		73.0	East	Pipe Seal	1		0.000	0	0	0.000
18		76.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
19		79.0	Crown	Crack-Radial	3		0.004	5	0	0.004
20		81.0	Crown	Crack-Radial	3		0.004	5	0	0.004
21		91.0	Crown	Crack-Radial	3		0.004	5	0	0.004
22		94.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
23		95.0	West	Wye Service	1		0.000	0	0	0.000
			1640 S. MARKET							
24		96.0	Quad 3 / L-Lt	Crack-Radial	2		0.002	2	0	0.002
25		98.0	East	Break-In Conn	1		0.001	0	0	0.001
			1643 S. BROADWAY							
26		99.0	Crown	Crack-Radial	3		0.004	5	0	0.004
27		101.0	Crown	Crack-Radial	3		0.004	5	0	0.004
29		109.0	Quad 4 / U-Lt	Crack-Radial	3		0.004	5	0	0.004
30		111.0	Quad 2 / L-Rt	Crack-Horizontal	3		0.004	5	0	0.004
31		114.0	Quad 3 / L-Lt	Crack-Horizontal	1		0.001	1	0	0.001
32		116.0	Crown	Crack-Radial	3		0.004	5	0	0.004
33		120.0	West	Pipe Seal	1		0.000	0	0	0.000
34		123.0	East	Pipe Seal	1		0.000	0	0	0.000
35		124.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
36		131.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
37		134.0	Quad 3 / L-Lt	Crack-Horizontal	1		0.001	1	0	0.001
38		144.0	Quad 3 / L-Lt	Crack-Horizontal	3		0.004	5	0	0.004

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# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole:	5445-343	1629 S BROADWAY AVE	Date Insp:	3/17/2003	Basin:	C05D
DS Manhole:	5445-341	1655 S BROADWAY AVE				
39	145.0	West	Pipe Seal	1	0.000	0 0 0.000
40	145.0	Invert	PVC PIPE STARTS AT THIS LOCATION			
41	146.0	West	Break-In Conn	1	0.001	0 0 0.001
1640 1/2 S. MARKET						
42	148.0	East	Break-In Conn	1	0.001	0 0 0.001
1643 S.BROADWAY						
43	148.0	Invert	PVC PIPE ENDS			
44	151.0	Crown	Broken Pipe	3	0.010	60 0 0.010
45	153.0	Crown	Observation Hole / pipe missing / OH is pushing down on the pipe			
46	154.0	Quad 2 / L-Rt	Crack-Radial	3	0.004	5 0 0.004
47	154.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5 0 0.004
48	158.0	West	Break-In Conn	1	0.001	0 0 0.001
1646 S. MARKET						
49	162.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5 0 0.004
50	170.0	West	Pipe Seal	1	0.000	0 0 0.000
51	171.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5 0 0.004
52	173.0	East	Pipe Seal	1	0.000	0 0 0.000
53	174.0	Quad 4 / U-Lt	Crack-Radial	2	0.002	2 0 0.002
54	179.0	Quad 2 / L-Rt	Crack-Radial	3	0.004	5 0 0.004
55	182.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5 0 0.004
56	183.0	West	Break-In Conn	3	0.004	2 0 0.004
1652 S. MARKET / roots						
57	184.0	Quad 2 / L-Rt	Crack-Horizontal	2	0.002	2 0 0.002
58	187.0	Quad 2 / L-Rt	Crack-Radial	3	0.004	5 0 0.004
59	196.0	West	Pipe Seal	1	0.000	0 0 0.000
28	197.0	Crown	Crack-Radial	3	0.004	5 0 0.004
60	198.0	East	Wye Service	1	0.000	0 0 0.000
1655 S. BROADWAY						
61	202.0	Crown	Crack-Radial	3	0.004	5 0 0.004
62	215.0	Quad 4 / U-Lt	Crack-Radial	2	0.002	2 0 0.002
63	221.0	West	Pipe Seal	1	0.000	0 0 0.000
64	223.0	East	Pipe Seal	1	0.000	0 0 0.000
65	227.0	Quad 4 / U-Lt	Crack-Radial	2	0.002	2 0 0.002
66	237.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2 0 0.002
67	239.0	Quad 3 / L-Lt	Crack-Radial	2	0.002	2 0 0.002
68	246.0	West	Pipe Seal	1	0.000	0 0 0.000
69	247.0	Crown	Broken Pipe	3	0.010	60 0 0.010
70	248.0	East	Wye Service	3	0.000	2 0 0.000
1655 S. BROADWAY / roots / broken outside of the main						
71	260.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2 0 0.002
72	261.0	Invert	Sag / 30% FLOW			
73	265.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2 0 0.002
74	274.0	West	Wye Service	3	0.000	2 0 0.000
1660 S. MARKET						
75	276.0	East	Wye Service	3	0.000	2 0 0.000
1655 S. BROADWAY						
76	280.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5 0 0.004
77	296.0	Invert	Sag / OUT OF SAG			
78	299.0	Quad 1 / U-Rt	Broken Pipe	3	0.010	60 0 0.010
79	300.0	Crown	Crack-Radial	3	0.004	5 0 0.004
80	305.0	Crown	Crack-Radial	3	0.004	5 0 0.004
81	307.0	Crown	Crack-Radial	3	0.004	5 0 0.004
82	311.0	Quad 2 / L-Rt	Crack-Radial	2	0.002	2 0 0.002
83	313.0	Invert	Broken Pipe	4	0.030	78 0 0.030
84	314.0	DS Manhole				

**7-6**

# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-341  
DS Manhole: 5445-339

1655 S BROADWAY AVE  
1733 S BROADWAY AVE

Date Insp: 3/17/2003

Basin: C05D

Dir Televised: Upstream To Downstream

## Pipe Information

Shape:	Round	Length Status:	Project No.:	B-096
Dia/Ht Width:	8	Material:	VCP	Index:
Length:	325.8	Slope:	0.120	Surface:
Pipe Sec Length:	Comment:			

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							
2		1.0	Invert	Broken Pipe	5		0.060	100	0	0.060
3		9.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
4		16.0	Quad 2 / L-Rt	Crack-Radial	2		0.002	2	0	0.002
5		19.0	Quad 3 / L-Lt	Crack-Radial	2		0.002	2	0	0.002
6		24.0	Crown	Crack-Radial	3		0.004	5	0	0.004
7		26.0	Crown	Crack-Radial	3		0.004	5	0	0.004
8		29.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
9		36.0	Crown	Crack-Radial	3		0.004	5	0	0.004
10		37.0	West	Pipe Seal	1		0.000	0	0	0.000
11		40.0	East	Pipe Seal	1		0.000	0	0	0.000
12		44.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
13		51.0	Crown	Crack-Radial	3		0.004	5	0	0.004
14		60.0	West	Wye Service	1		0.000	0	0	0.000
1700 S. MARKET										
15		61.0	Quad 3 / L-Lt	Crack-Radial	2		0.002	2	0	0.002
16		63.0	East	Pipe Seal	1		0.000	0	0	0.000
17		64.0	Crown	Crack-Radial	3		0.004	5	0	0.004
18		69.0	West	Break-In Conn	1		0.001	0	0	0.001
1700 S. MARKET										
19		71.0	Crown	Crack-Radial	3		0.004	5	0	0.004
20		79.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
21		84.0	Crown	Crack-Radial	3		0.004	5	0	0.004
22		85.0	West	Pipe Seal	1		0.000	0	0	0.000
23		86.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
24		88.0	East	Pipe Seal?			0.000	0	0	0.000
PARKING LOT / wye doesn't look sealed at the main, possibly sealed away from the main										
25		89.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
26		91.0	West	Break-In Conn	1		0.001	0	0	0.001
1700 S. MARKET										
27		94.0	Crown	Crack-Radial	2		0.002	2	0	0.002
28		96.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
29		99.0	Crown	Crack-Radial	3		0.004	5	0	0.004
30		101.0	Crown	Crack-Radial	3		0.004	5	0	0.004
31		106.0	Crown	Crack-Radial	3		0.004	5	0	0.004
32		111.0	West	Pipe Seal	1		0.000	0	0	0.000
33		112.0	Quad 3 / L-Lt	Crack-Radial	3		0.004	5	0	0.004
34		113.0	East	Pipe Seal	1		0.000	0	0	0.000
35		116.0	Quad 2 / L-Rt	Crack-Radial	2		0.002	2	0	0.002
36		119.0	Quad 2 / L-Rt	Crack-Radial	2		0.002	2	0	0.002
37		127.0	Invert	Crack-Radial	3		0.004	5	0	0.004
38		129.0	Crown	Crack-Radial	3		0.004	5	0	0.004
39		134.0	Quad 3 / L-Lt	Crack-Radial	2		0.002	2	0	0.002

7-7

# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-341      1655 S BROADWAY AVE      Date Insp: 3/17/2003      Basin: C05D  
DS Manhole: 5445-339      1733 S BROADWAY AVE

40	136.0	West	Pipe Seal	1	0.000	0	0	0.000
41	137.0	West	Break-In Conn	1	0.001	0	0	0.001
1700 S. MARKET								
42	137.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
43	138.0	East	Pipe Seal	1	0.000	0	0	0.000
44	139.0	Quad 3 / L-Lt	Crack-Radial	2	0.002	2	0	0.002
45	142.0	Quad 3 / L-Lt	Crack-Radial	1	0.001	1	0	0.001
46	145.0	Crown	Broken Pipe	3	0.010	60	0	0.010
47	157.0	Invert	Broken Pipe	3	0.010	60	0	0.010
48	161.0	West	Pipe Seal	1	0.000	0	0	0.000
49	163.0	East	Break-In Conn	1	0.001	0	0	0.001
1701 S. BROADWAY								
50	164.0	Quad 2 / L-Rt	Crack-Horizontal	1	0.001	1	0	0.001
51	164.0	Crown	Crack-Radial	3	0.004	5	0	0.004
52	166.0	Crown	Observation Hole					
53	167.0	Crown	Crack-Radial	3	0.004	5	0	0.004
54	179.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5	0	0.004
55	184.0	Crown	Crack-Radial	3	0.004	5	0	0.004
56	186.0	West	Pipe Seal	1	0.000	0	0	0.000
57	187.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
58	188.0	East	Pipe Seal	1	0.000	0	0	0.000
59	190.0	Crown	Broken Pipe	4	0.030	78	0	0.030
60	191.0	West	Break-In Conn	5	0.010	400	0	0.010
NEEDS POINT REPAIR 1714 S. MARKET								
61	192.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5	0	0.004
62	200.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5	0	0.004
63	202.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2	0	0.002
64	212.0	Quad 2 / L-Rt	Crack-Radial	2	0.002	2	0	0.002
65	213.0	West	Pipe Seal	1	0.000	0	0	0.000
66	216.0	East	Pipe Seal	1	0.000	0	0	0.000
67	219.0	Quad 3 / L-Lt	Crack-Radial	2	0.002	2	0	0.002
68	224.0	Quad 2 / L-Rt	Crack-Radial	2	0.002	2	0	0.002
69	228.0	Invert	Sag					0.000
30% FLOW								
70	230.0	Crown	Crack-Radial	3	0.004	5	0	0.004
71	237.0	Quad 2 / L-Rt	Crack-Radial	2	0.002	2	0	0.002
72	238.0	West	Tap	1	0.000	0	0	0.000
VACANT LOT / possibly sealed off away from the main								
73	240.0	Quad 3 / L-Lt	Crack-Radial	2	0.002	2	0	0.002
74	241.0	East	Pipe Seal	1	0.000	0	0	0.000
75	245.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
76	247.0	Invert	Sag					0.000
35% FLOW								
77	250.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
78	255.0	Crown	Crack-Radial	3	0.004	5	0	0.004
79	262.0	Invert	Sag					0.000
50% FLOW WE WILL USE A CLEANER TO PULL DOWN WATER.								
80	262.0	Crown	Crack-Radial	3	0.004	5	0	0.004
81	263.0	West	Wye Service	1	0.000	0	0	0.000
VACANT LOT / possibly sealed off away from the main								
82	266.0	East	Pipe Seal	1	0.000	0	0	0.000
83	282.0	Crown	Crack-Radial	3	0.004	5	0	0.004
84	287.0	Crown	Crack-Radial	3	0.004	5	0	0.004

**7-8**

# Television Inspection Master Report

12/9/2003  
7:35:23AM

US Manhole: 5445-341      1655 S BROADWAY AVE      Date Insp: 3/17/2003      Basin: C05D  
 DS Manhole: 5445-339      1733 S BROADWAY AVE

93	287.0	Invert	Sag						
	OUT OF SAG								
85	288.0	West	Pipe Seal	1	0.000	0	0	0.000	
86	291.0	East	Pipe Seal	1	0.000	0	0	0.000	
87	305.0	Crown	Crack-Radial	3	0.004	5	0	0.004	
94	308.0	Invert	Sag						
	35% FLOW								
88	311.0	West	Break-In Conn	1	0.001	0	0	0.001	
	1724 S. MARKET / PVC service								
89	314.0	East	Break-In Conn	1	0.001	0	0	0.001	
90	315.0	Crown	Crack-Radial	3	0.004	5	0	0.004	
95	316.0	Invert	Sag						
	50% FLOW								
91	317.0	Crown	Crack-Radial	3	0.004	5	0	0.004	
96	322.0	Invert	Sag / OUT OF SAG						
92	324.0	DS Manhole							0.000

**7-9**