

# Television Inspection Master Report

2/20/2004  
3:32:34PM

US Manhole: 5647-149  
DS Manhole: 5647-325

347 N GROVE DR  
352 N SPRUCE

Date Insp: 3/27/2003

Basin: EC02A

Dir Televised: Downstream To Upstream

## Pipe Information

Shape: Round	Length Status:	Project No.: C-141
Dia/Ht Width: 8	Material: VCP	Index:
Length: 88.0	Slope: 0.091	Surface:
Pipe Sec Length:	Comment:	

## Inspection Information

Crew: 694	Percent Full: 15	Tape ID: V-3860
Weather: Sunny	Purpose: TV Existing Line	Counter Start: 2;31.07
Surface Cond: N/A	Flow: Normal Flow	Counter Stop:
Dyed Test: No		

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0		DS Manhole / tv against the flow						
2		5.0	East	Pipe Seal	1		0.000	0	0	0.000
3		6.0	East	Break-In Conn	3		0.004	2	0	0.004
VACANT LOT										
4		7.0	West	Pipe Seal	1		0.000	0	0	0.000
5		10.0	West	Break-In Conn	3		0.004	2	0	0.004
352 N. SPRUCE										
6		17.0	Joint	Roots	2		0.004	2	4	0.004
7		25.0	East	Break-In Conn	3		0.004	2	0	0.004
347 N, GROVE / looks busted outside of the main / NORTHERLY MOST CONNECTION ON THIS LINE										
8		27.0	Joint	Roots	3		0.008	5	8	0.008
9		37.0	West	Pipe Seal (not sealed at main)			0.000			
10		50.0	East	Pipe Seal	1		0.000	0	0	0.000
11		52.0	West	Pipe Seal	1		0.000	0	0	0.000
12		83.0	Quad 3 / L-Lt	Crack-Horizontal	3		0.004	5	0	0.004
13		84.0	Crown	Crack-Radial	3		0.004	5	0	0.004
14		88.0	US Manhole							0.000

LOTS OF SILT IN THE LINE

Alley east of Spruce

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# Television Inspection Master Report

2/20/2004  
3:32:34PM

US Manhole: 5647-325  
DS Manhole: 5647-323

352 N SPRUCE  
321 N GROVE DR

Date Insp: 3/27/2003

Basin: EC02A

Dir Televised: Upstream To Downstream

## Pipe Information

Shape:	Round	Length Status:	Project No.:	C-141
Dia/Ht Width:	8 0	Material:	VCP	Index:
Length:	279.1	Slope:	0.201	Surface:

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							
2		3.0	Joint	Roots	3		0.008	5	8	0.008
3		26.0	West	Wye Service	3		0.000	2	0	0.000
352 N. SPRUCE										
4		28.0	East	Pipe Seal	1		0.000	0	0	0.000
5		50.0	West	Pipe Seal	1		0.000	0	0	0.000
6		53.0	East	Break-In Conn	3		0.004	2	0	0.004
345 N. GROVE										
7		59.0	Joint	Roots	3		0.008	5	8	0.008
8		61.0	Joint	Roots	2		0.004	2	4	0.004
9		64.0	Quad 3 / L-Lt	Crack-Horizontal	3		0.004	5	0	0.004
10		68.0	Quad 2 / L-Rt	Crack-Horizontal	3		0.004	5	0	0.004
11		74.0	West	Break-In Conn	3		0.004	2	0	0.004
340 N. SPRUCE / ball of roots										
12		74.0	Joint	Roots	2		0.004	2	4	0.004
13		76.0	West	Pipe Seal	1		0.000	0	0	0.000
14		78.0	East	Break-In Conn	3		0.004	2	0	0.004
341 N. GROVE / full of roots										
15		79.0	Joint	Roots	2		0.004	2	4	0.004
16		87.0	Joint	Roots	2		0.004	2	4	0.004
17		101.0	West	Break-In Conn	1		0.001	0	0	0.001
340 N. SPRUCE / PVC connection										
18		103.0	East	Pipe Seal	1		0.000	0	0	0.000
19		117.0	Joint	Roots	2		0.004	2	4	0.004
20		124.0	Joint	Roots	3		0.008	5	8	0.008
21		125.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
22		126.0	West	Busted / possibly abandoned			0.000	0	0	0.000
23		126.0	East	Break-In Conn	3		0.004	2	0	0.004
339 N. GROVE / protruding										
24		128.0	East	Pipe Seal	1		0.000	0	0	0.000
25		136.0	Crown	Crack-Radial	3		0.004	5	0	0.004
26		138.0	Crown	Observation Hole						
27		149.0	Joint	Roots	2		0.004	2	4	0.004
28		151.0	West	Break-In Conn	3		0.004	2	0	0.004
338 N. SPRUCE										
29		151.0	Joint	Roots	2		0.004	2	4	0.004
30		153.0	East	Pipe Seal	1		0.000	0	0	0.000
31		176.0	West	Pipe Seal	1		0.000	0	0	0.000
32		181.0	East	Break-In Conn	1		0.001	0	0	0.001
333 N. GROVE										
33		186.0	Crown	Crack-Radial	3		0.004	5	0	0.004
34		196.0	West	Break-In Conn	1		0.001	0	0	0.001
336 N. SPRUCE										
35		199.0	West	Pipe Seal	1		0.000	0	0	0.000

**Alley east of Spruce**

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# Television Inspection Master Report

2/20/2004  
3:32:34PM

US Manhole: 5647-325  
DS Manhole: 5647-323

352 N SPRUCE

Date Insp: 3/27/2003

Basin: EC02A

36	201.0	East	Pipe Seal	1					0.000
37	217.0	Joint	Roots	3	0.008	5	8		0.008
38	224.0	West	Pipe Seal	1	0.000	0	0		0.000
39	226.0	East	Pipe Seal	1	0.000	0	0		0.000
40	235.0	Quad 2 / L-Rt	Broken Pipe	3	0.010	60	0		0.010
41	240.0	Quad 3 / L-Lt	Crack-Horizontal	2	0.002	2	0		0.002
42	245.0	Crown	Crack-Radial	3	0.004	5	0		0.004
43	249.0	West	Break-In Conn	3	0.004	2	0		0.004
328 N. SPRUCE / PVC connection									
44	250.0	Crown	Crack-Radial	3	0.004	5	0		0.004
45	251.0	East	Break-In Conn	3	0.004	2	0		0.004
327 N. GROVE									
46	253.0	Crown	Crack-Radial	3	0.004	5	0		0.004
47	255.0	Quad 2 / L-Rt	Crack-Horizontal	1	0.001	1	0		0.001
48	271.0	West	Pipe Seal	1	0.000	0	0		0.000
49	274.0	East	Pipe Seal	1	0.000	0	0		0.000
50	275.0	Crown	Crack-Radial	3	0.004	5	0		0.004
51	278.0	DS Manhole							0.000

Alley east of Spruce

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# Television Inspection Master Report

2/20/2004  
3:32:34PM

US Manhole: 5647-323  
DS Manhole: 5647-248

321 N GROVE DR  
402 N SPRUCE ST

Date Insp: 3/20/2003

Basin: EC02A

Dir Televised: Upstream To Downstream

## Pipe Information

Shape:	Round	Length Status:	Project No.:	C-141
Dia/Ht	Width: 8 0	Material:	VCP	Index:
Length:	280.9	Slope:	0.893	Surface:

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							
2		1.0	Crown	Crack-Radial	3		0.004	5	0	0.004
3		20.0	Crown	Crack-Radial	3		0.004	5	0	0.004
4		22.0	West	Break-In Conn	1		0.001	0	0	0.001
	322 N. SPRUCE									
5		25.0	East	Break-In Conn	1		0.001	0	0	0.001
	321 N. GROVE									
6		28.0	Quad 3 / L-Lt	Broken Pipe	5		0.060	100	0	0.060
7		30.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
8		36.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
9		36.0	Quad 2 / L-Rt	Crack-Horizontal	3		0.004	5	0	0.004
10		38.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
11		41.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
12		43.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
13		46.0	Joint	Roots	2		0.004	2	4	0.004
14		46.0	Crown	Crack-Radial	3		0.004	5	0	0.004
15		47.0	West	Pipe Seal	1		0.000	0	0	0.000
16		48.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
17		50.0	East	Pipe Seal	1		0.000	0	0	0.000
18		53.0	Crown	Crack-Radial	3		0.004	5	0	0.004
19		56.0	Crown	Crack-Radial	2		0.002	2	0	0.002
20		70.0	West	Pipe Seal	1		0.000	0	0	0.000
21		72.0	East	Break-In Conn	3		0.004	2	0	0.004
	315 N. GROVE									
22		98.0	East	Wye Service	1		0.000	0	0	0.000
	315 N. GROVE									
23		120.0	West	Wye Service	3		0.000	2	0	0.000
	318 N. SPRUCE									
24		123.0	East	Wye Service	1		0.000	0	0	0.000
	311 N. GROVE									
25		127.0	East	Break-In Conn	1		0.001	0	0	0.001
	311 N. GROVE									
26		140.0	Joint	Broken Pipe	5		0.060	100	0	0.060
27		141.0	Crown	Observation Hole						
28		144.0	Quad 2 / L-Rt	Broken Pipe	3		0.010	60	0	0.010
29		146.0	West	Wye Service	1		0.000	0	0	0.000
	312 N. SPRUCE									
30		148.0	East	Pipe Seal	1		0.000	0	0	0.000
31		171.0	West	Pipe Seal	1		0.000	0	0	0.000
32		173.0	East	Wye Service	1		0.000	0	0	0.000
	305 N. GROVE									
33		186.0	Invert	Sag / 40% FLOW						

**Alley east of Spruce**

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# Television Inspection Master Report

2/20/2004  
3:32:34PM

US Manhole:	5647-323	321 N GROVE DR	Date Insp:	3/20/2003	Basin:	EC02A
DS Manhole:	5647-248	402 N SPRUCE ST				
36	190.0	East	Pipe Seal	2	0.000	0 0 0.000
34	195.0	Invert	Sag / OUT OF SAG			
35	196.0	West	Break-In Conn	1	0.001	0 0 0.001
	308 N. SPRUCE					
	198.0	East	Wye / Sealed Off			
37	209.0	West	Break-In Conn	3	0.004	2 0 0.004
	302 N. SPRUCE					
38	220.0	West	Wye Service	1	0.000	0 0 0.000
	2314 E. 2ND					
39	224.0	East	Wye Service	3	0.000	2 0 0.000
	2316 E. 2ND					
40	246.0	West	Pipe Seal	3	0.000	0 0 0.000
41	249.0	East	Wye Service	3	0.000	2 0 0.000
	2316 E. 2ND					
42	277.0	Crown	Crack-Radial	3	0.004	5 0 0.004
43	278.0	Quad 3 / L-Lt	Broken Pipe	5	0.060	100 0 0.060
	NEEDS REPAIR					
44	281.0	DS Manhole				

Alley east of Spruce

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# Television Inspection Master Report

2/20/2004  
3:33:50PM

US Manhole: 5647-148  
DS Manhole: 5647-281

358 N MADISON AVE  
342 E MADISON ST

Date Insp: 3/18/2003

Basin: EC02A

Dir Televised: Downstream To Upstream

## Pipe Information

Shape: Round	Length Status:	Project No.: C-142
Dia/Ht Width: 8	Material: VCP	Index:
Length: 80.5	Slope: 0.050	Surface: Alley Unpaved
Pipe Sec Length:	Comment:	

## Inspection Information

Crew: 694	Percent Full: 5	Tape ID: V-3860
Weather: Cloudy	Purpose: TV Existing Line	Counter Start: 0.00
Surface Cond: N/A	Flow: Normal Flow	Counter Stop:

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)	
1		0.0	DS Manhole 5647-281 / tv against the flow								
2		7.0	East	Break-In Conn	1		0.001	0	0	0.001	
3	351 N. SPRUCE	8.0	West	Wye Service	1		0.000	0	0	0.000	
4	352 N. MADISON	16.0	East	Break-In Conn	1		0.001	0	0	0.001	
5	351 N. SPRUCE	20.0	Invert	Grease	4		0.000	0	10	0.000	
6		21.0	Joint	Roots	2		0.004	2	4	0.004	
7		24.0	East	Break-In Conn	1		0.001	0	0	0.001	
8	351 N. SPRUCE	24.0	Break-In-Connection	Roots	4		0.010	10	25	0.010	
9		24.0	Joint	Roots	2		0.004	2	4	0.004	
10		25.0	East	Break-In Conn	1		0.001	0	0	0.001	
11	351 N. SPRUCE	25.0	Break-In-Connection	Roots	4		0.010	10	25	0.010	
12		28.0	East	Wye Service / Sealed	1		0.000	0	0	0.000	
13		31.0	West	Wye Service	1		0.000	0	0	0.000	
14	356 N. MADISON	31.0	(NORTHERLY MOST CONNECTION ON THIS LINE SEGMENT)								0.000
15		33.0	Quad 2 / L-Rt	Crack-Radial	1						
16		39.0	Joint	Roots	2		0.004	2	4	0.004	
17		39.0	Joint	Roots	3					0.000	
18		41.0	Joint	Roots	2		0.004	2	4	0.004	
19		44.0	Joint	Gapped Joint	2		0.000	0	0	0.000	
20		51.0	East	Wye Service / Sealed	1		0.000	0	0	0.000	
21		51.0	Joint	Roots	2		0.004	2	4	0.004	
22		54.0	West	Wye Service / Sealed	1		0.000	0	0	0.000	
23		54.0	Joint	Roots	3		0.008	5	8	0.008	
24		56.0	Joint	Roots	2		0.004	2	4	0.004	
25		58.0	Invert	Debris	4		0.000	0	25	0.000	
26		59.0	Joint	Roots	3		0.008	5	8	0.008	
27		61.0	Joint	Roots	3		0.008	5	8	0.008	
28		64.0	Joint	Roots	3		0.008	5	8	0.008	
29		66.0	Joint	Roots	2		0.004	2	4	0.004	
30		68.0	Joint	Roots	1		0.002	1	1	0.002	
31		71.0	Joint	Roots	1		0.002	1	1	0.002	
32		74.0	Joint	Roots	1		0.002	1	1	0.002	
32		84.0	US Manhole 6547-148								

Alley west of Spruce

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# Television Inspection Master Report

2/20/2004  
3:33:50PM

US Manhole: 5647-281  
DS Manhole: 5647-279

342 E MADISON ST  
321 N SPRUCE

Date Insp: 3/18/2003

Basin: EC02A

Dir Televised: Upstream To Downstream

## Pipe Information

Shape: Round Length Status:  
Dia/Ht Width: 8 0 Material: VCP  
Length: 289.0 Slope: 0.118

Project No.: C-142  
Index:  
Surface:

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5647-281							
2		13.0	Crown	Crack-Radial	1		0.001	1	0	0.001
3		14.0	West	Wye Service	1		0.000	0	0	0.000
	W. WYE	SEALED.								
4		15.0	Crown	Crack-Radial	1		0.001	1	0	0.001
5		17.0	East	Wye Service	1		0.000	0	0	0.000
	E. WYE	SEALED.								
6		37.0	West	Wye Service	1		0.000	0	0	0.000
	W. WYE	SEALED.								
7		38.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001
8		40.0	East	Wye Service	1		0.000	0	0	0.000
	349 N. SPRUCE									
9		40.0	Wye Service	Roots	4		0.010	10	25	0.010
	CAN NOT LOOK IN WYE BECAUSE OF ROOTS..									
10		43.0	Quad 2 / L-Rt	Broken Pipe	5					
11		48.0	Crown	Crack-Radial	1		0.001	1	0	0.001
12		54.0	Quad 3 / L-Lt	Crack-Radial	1		0.001	1	0	0.001
13		58.0	Quad 3 / L-Lt	Broken Pipe	3					0.000
14		62.0	West	Wye Service	1		0.000	0	0	0.000
	342 N. MADISON /			Gapped outside of the main						
15		63.0	Crown	Crack-Radial	1		0.001	1	0	0.001
16		64.0	East	Wye Service	1		0.000	0	0	0.000
	345 N. SPRUCE									
17		64.0	Invert	Sag						0.000
	10% FLOW.									
18		66.0	Crown	Crack-Radial	1		0.001	1	0	0.001
19		72.0	Invert	Sag						0.000
	OUT OF SAG.									
20		74.0	Quad 3 / L-Lt	Crack-Radial	1		0.001	1	0	0.001
21		82.0	West	Wye Service	1		0.000	0	0	0.000
	W. WYE	SEALED.								
22		84.0	East	Wye Service	1		0.000	0	0	0.000
	E. WYE	SEALED.								
23		88.0	Crown	Crack-Radial	1		0.001	1	0	0.001
24		90.0	Quad 4 / U-Lt	Crack-Horizontal	1					0.000
25		93.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001
26		96.0	Crown	Crack-Radial	1		0.001	1	0	0.001
27		103.0	Quad 1 / U-Rt	Crack-Radial	1					0.000
28		105.0	West	Wye Service	1		0.000	0	0	0.000
	WYE HAS TILE STICKING OUT OF IT			338 N. SPRUCE						
29		105.0	Crown	Crack-Radial	1		0.001	1	0	0.001
30		107.0	East	Break-In Conn	1		0.001	0	0	0.001
	341 N. SPRUCE									
31		111.0	Crown	Crack-Radial	1		0.001	1	0	0.001

Alley west of Spruce

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# Television Inspection Master Report

2/20/2004  
3:33:50PM

US Manhole:	5647-281	342 E MADISON ST	Date Insp:	3/18/2003	Basin:	EC02A
DS Manhole:	5647-279	321 N SPRUCE				
32	130.0	West	Wye Service / Sealed Off	1	0.000	0 0 0.000
33	133.0	East	Wye Service / Sealed Off	1	0.000	0 0 0.000
34	133.0	Quad 1 / U-Rt	Crack-Radial	1	0.001	1 0 0.001
35	135.0	West	Break-In Conn	1	0.001	0 0 0.001
334 N. MADISON						
36	146.0	Crown	Crack-Radial	4		0.000
37	148.0	Crown	Observation Hole			
38	153.0	Crown	Crack-Radial	4		
39	155.0	West	Wye Service	1	0.000	0 0 0.000
330 N. MADISON						
40	158.0	East	Break-In Conn	1	0.001	0 0 0.001
337 N. SPRUCE						
41	158.0	Break-In-Connection	Roots	3	0.008	5 8 0.008
42	166.0	Quad 4 / U-Lt	Crack-Radial	2		0.000
43	168.0	Crown	Crack-Radial	2		
44	171.0	Crown	Crack-Radial	1	0.001	1 0 0.001
45	178.0	West	Wye Service / Sealed	1	0.000	0 0 0.000
46	180.0	West	Break-In Conn	1	0.001	0 0 0.001
PIECE OF TILE GONE UNDER TAP CONN. 326 N. MADISON						
47	180.0	East	Wye Service	1	0.000	0 0 0.000
E. WYE SEALED.						
48	181.0	Crown	Crack-Radial	1		
49	183.0	East	Break-In Conn	1	0.001	0 0 0.001
331 N. SPRUCE						
50	196.0	Crown	Crack-Radial	1	0.001	1 0 0.001
51	203.0	West	Wye Service	1	0.000	0 0 0.000
W. WYE SEALED.						
52	204.0	Quad 4 / U-Lt	Crack-Radial	1		
53	205.0	East	Wye Service	1	0.000	0 0 0.000
E. WYE SEALED.						
54	216.0	Quad 1 / U-Rt	Crack-Radial	4		
55	221.0	Crown	Crack-Radial	1		
56	226.0	Quad 2 / L-Rt	Crack-Radial	4		
57	228.0	West	Wye Service	1	0.000	0 0 0.000
326 N. MADISON						
58	230.0	East	Wye Service	1	0.000	0 0 0.000
1ST. JOINT IN WYE OFFSET CAVITY ON OUTSIDE OF MAIN AND UNDER E. WYE 327 N. SPRUCE..						
59	236.0	Quad 1 / U-Rt	Crack-Radial	4		
60	241.0	Quad 1 / U-Rt	Crack-Radial	4		
61	244.0	Crown	Crack-Radial	4		
	252.0	West	Wye / Sealed Off			
62	253.0	Quad 4 / U-Lt	Broken Pipe	3		
63	255.0	East	Wye Service / Sealed	1	0.000	0 0 0.000
64	269.0	Quad 4 / U-Lt	Crack-Radial	4		
65	274.0	Crown	Crack-Radial	1	0.001	1 0 0.001
66	276.0	Quad 2 / L-Rt	Crack-Radial	4		0.000
67	277.0	West	Wye Service / Sealed	1	0.000	0 0 0.000
68	279.0	Crown	Crack-Radial	4		
69	280.0	East	Break-In Conn	1	0.001	0 0 0.001
321 N. SPRUCE						
70	281.0	Quad 1 / U-Rt	Crack-Radial	1	0.001	1 0 0.001
71	286.0	Crown	Broken Pipe	3		0.000
72	289.0	DS Manhole 5647-279				

Alley west of Spruce

2-11

# Television Inspection Master Report

2/20/2004  
3:33:50PM

US Manhole: 5647-279  
DS Manhole: 5647-249

321 N SPRUCE  
2310 E 2ND ST

Date Insp: 3/19/2003

Basin: EC02A

Dir Televised: Upstream To Downstream

## Pipe Information

Shape:	Round	Length Status:	Project No.:	C-142
Dia/Ht Width:	8 0	Material:	VCP	Index:
Length:	276.5	Slope:	0.667	Surface:

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							
2		3.0	Quad 4 / U-Lt	Broken Pipe	3		0.010	60	0	0.010
3		3.0	Crown	Crack-Radial	3		0.004	5	0	0.004
4		5.0	West	Break-In Conn	1		0.001	0	0	0.001
			322 N. MADISON / protruding							
5		14.0	Crown	Crack-Radial	3		0.004	5	0	0.004
6		15.0	West	Pipe Seal	1		0.000	0	0	0.000
7		17.0	East	Pipe Seal						0.000
8		26.0	Crown	Crack-Radial	3		0.004	5	0	0.004
9		28.0	West	Wye Service	3		0.000	2	0	0.000
			318 N. Madison / offset outside of the main							
10		29.0	Crown	Crack-Radial	3		0.004	5	0	0.004
11		40.0	West	Pipe Seal	1		0.000	0	0	0.000
12		41.0	Quad 2 / L-Rt	Crack-Horizontal	2		0.002	2	0	0.002
13		43.0	East	Pipe Seal	1		0.000	0	0	0.000
14		59.0	Crown	Crack-Radial	3		0.004	5	0	0.004
15		64.0	Crown	Crack-Radial	3		0.004	5	0	0.004
16		65.0	West	Wye Service	1		0.000	0	0	0.000
			314 N. MADISON							
17		68.0	East	Wye Service	1		0.000	0	0	0.000
			321 N. SPRUCE							
18		71.0	Quad 1 / U-Rt	Crack-Horizontal	1		0.001	1	0	0.001
19		74.0	Crown	Crack-Radial	3		0.004	5	0	0.004
20		77.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
21		81.0	Crown	Crack-Radial	3		0.004	5	0	0.004
22		84.0	Crown	Crack-Radial	3		0.004	5	0	0.004
23		90.0	West	Pipe Seal	1		0.000	0	0	0.000
24		93.0	East	Pipe Seal	1		0.000	0	0	0.000
25		94.0	Crown	Crack-Radial	3		0.004	5	0	0.004
26		99.0	Quad 1 / U-Rt	Crack-Horizontal	3		0.004	5	0	0.004
27		101.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
28		106.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
29		108.0	Invert	Debris	3		0.000	0	0	0.000
			WE WILL USE A CLEANER TO REMOVE THE DEBRI							
30		109.0	Crown	Crack-Radial	3		0.004	5	0	0.004
31		111.0	Crown	Crack-Radial	3		0.004	5	0	0.004
32		113.0	Crown	Crack-Radial	3		0.004	5	0	0.004
33		115.0	West	Extended Tap	1		0.002	0	0	0.002
			310 N. MADISON							
34		118.0	East	Break-In Conn	1		0.001	0	0	0.001
			311 N. SPRUCE							
35		124.0	Crown	Crack-Radial	3		0.004	5	0	0.004
36		133.0	Crown	Observation Hole						0.000

NEEDS REPAIR DUE TO THE CAVITY

Alley west of Spruce

2-12

# Television Inspection Master Report

2/20/2004  
3:33:50PM

<b>US Manhole:</b> 5647-279	321 N SPRUCE	<b>Date Insp:</b> 3/19/2003	<b>Basin:</b> EC02A
<b>DS Manhole:</b> 5647-249	2310 E 2ND ST		

  

37	140.0	West	Pipe Seal	1	0.000	0	0	0.000
38	141.0	Crown	Crack-Radial	3	0.004	5	0	0.004
39	143.0	East	Pipe Seal	1	0.000	0	0	0.000
40	144.0	Crown	Crack-Radial	3	0.004	5	0	0.004
41	151.0	Crown	Crack-Radial	3	0.004	5	0	0.004
52	151.0	West	Break-In Conn	1	0.001	0	0	0.001
306 N. MADISON								
42	161.0	Quad 3 / L-Lt	Crack-Radial	3	0.004	5	0	0.004
43	164.0	Invert	PVC PIPE STARTS AT THIS JOINT.					
44	164.0	Invert	Sag / 40% FLOW					
45	165.0	Invert	Sag / 50% FLOW					
46	167.0	East	Break-In Conn	1	0.001	0	0	0.001
305 N. SPRUCE / the PVC tap has slipped / needs repair / roots								
47	168.0	Joint	PVC PIPE ENDS					
48	169.0	Invert	Sag / OUT OF SAG					
49	190.0	West	Pipe Seal	1	0.000	0	0	0.000
50	193.0	East	Pipe Seal	1	0.000	0	0	0.000
51	198.0	West	Extended Tap	3	0.002	2	0	0.002
302 N. MADISON WE WILL REVERSE OUR SET-UP AND COME IN FROM D.S. 5647-279 DUE TO THE EXTENDED TAP.								

## REVERSE SETUP:

0.00 Downstream Manhole / tv against the flow  
 33.0 East Wye / full of roots  
 36.0 West Wye / sealed off  
 59.0 East Wye / 301 N. Spruce / full of roots  
 61.0 West Wye / 302 N. Madison  
 77.0 Same place as above / camera stopped

**Alley west of Spruce**

**2-13**