



MH 5448-530
Depth not measured

MH 5448-520
Approx. MH depth = 5.1 ft

MH 5448-518
Approx. MH depth = 5.3 ft

MH 5448-515
Approx. MH depth = 4.4 ft

1243 N.
Forest

1234 N.
Forest

Arkansas River

12th St. N.

MH 5448-532
Approx. MH depth = 8.2 ft

Install 661 lf of 8"
Cured-in-Place Liner

Install 337 lf of 8"
Cured-in-Place Liner

MH 5448-529
Approx. MH depth = 6.3 ft

Oak Park

1213 N.
Pearce

Forest

Pearce

Carlos

315'

359' PVC

337'

11th Street North

1209
W. 11th

1144 N.
Forest

1145 N.
Carlos

Park

477'

SITE 4



Television Inspection Master Report

4/25/2011

11:22 AM

US Structure: 5448-530 1243 N FOREST ST Date Insp: 4/14/2010 Basin: C03E
 DS Structure: 5448-520 1243 N FOREST ST Dir Televised: Downstream To Upstream

Pipe Information

Shape: Round Length Status: Project No. : B-236
 Dia/Ht: 8 Material: VCP
 Length: 80.0 Slope: 0.002

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5448-520 / DS Manhole						
2		1.9		Roots	1	0.002	1	1	0.002	
3		19.9		Sealed Off Wye	1	0.000	0	0	0.000	
4		22.4		Sealed Off Wye	1	0.000	0	0	0.000	
5		47.5		Sealed Off Wye	1	0.000	0	0	0.000	
6		50.1		Sealed Off Wye	1	0.000	0	0	0.000	
7		57.0	1243 N FOREST	Break-In Conn	1	0.001	0	0	0.001	
8		75.5		Sealed Off Wye	1	0.000	0	0	0.000	
9		77.9		Sealed Off Wye	1	0.000	0	0	0.000	
10		77.7	MH 5448-530	Unmapped Manhole	1	0.000	0	0	0.000	
				Manhole should now be sealed off at the north wall						

This pipe north of MH 5448-530 will be abandoned:

11		105.2		Sealed Off Wye	1	0.000	0	0	0.000	
12		107.8		Sealed Off Wye	1	0.000	0	0	0.000	
13		132.3		Sealed Off Wye	1	0.000	0	0	0.000	
14		134.5		Sealed Off Wye	1	0.000	0	0	0.000	
15		149.6		Observation Hole	2	0.000	0	0	0.000	
16		159.8		Sealed Off Wye	1	0.000	0	0	0.000	
17		163.2		Sealed Off Wye	1	0.000	0	0	0.000	
18		187.0		Sealed Off Wye	1	0.000	0	0	0.000	
19		189.6		Sealed Off Wye	1	0.000	0	0	0.000	
20		215.1		Sealed Off Wye	1	0.000	0	0	0.000	
21		225.8	Joint	Offset	3	0.010	20	0	0.010	
22		232.1		Sealed Off Wye	1	0.000	0	0	0.000	
23		243.0		Mat. Chngs to cast iron / capped end on the pipe	1	0.000	0	0	0.000	

Television Inspection Master Report

4/25/2011

11:22 AM

US Structure: 5448-520 1243 N FOREST ST Date Insp: 4/14/2010 Basin: C03E
 DS Structure: 5448-518 1217 N FOREST ST Dir Televised: Downstream To Upstream

Pipe Information

Project No. : B-236 Dia: 8 Material: VCP Length: 266.5 Slope: 0.400 DVD #0569

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)\
							Est. (gpm)	Struct	Clean	
1		0.0		5448-518 DS Manhole	1					
2		14.6		Sealed Off Wye	1		0.000	0	0	0.000
3		17.1		Sealed Off Wye	1		0.000	0	0	0.000
4		42.5	1221 N FOREST	Wye Service	1		0.000	0	0	0.000
5		44.8		Sealed Off Wye	1		0.000	0	0	0.000
6		69.6	1225 N FOREST	Wye Service	0		0.000	0	0	0.000
7		72.1		Sealed Off Wye	1		0.000	0	0	0.000
8		74.8		Observation Hole	1		0.000	0	0	0.000
9		79.4		Crack-Radial	2		0.002	2	0	0.002
10		97.1		Sealed Off Wye	1		0.000	0	0	0.000
11		99.6		Sealed Off Wye	1		0.000	0	0	0.000
12		99.9		Crack-Radial	2		0.002	2	0	0.002
13		122.1		Sealed Off Wye	1		0.000	0	0	0.000
14		124.5		Sealed Off Wye	1		0.000	0	0	0.000
15		145.1		Crack-Radial	2		0.002	2	0	0.002
16		149.9	1229 N FOREST	Wye Service	5		0.000	400	0	0.000
			Possibly sealed?	Needs checked.						
17		152.1		Sealed Off Wye	1		0.000	0	0	0.000
18		177.4	1233 N FOREST	Wye Service	3		0.000	2	0	0.000
19		180.1		Sealed Off Wye	1		0.000	0	0	0.000
20		181.4		Observation Hole	1		0.000	0	0	0.000
21		199.8		Crack-Radial	3		0.004	5	0	0.004
22		202.5		Sealed Off Wye	1		0.000	0	0	0.000
23		202.6		Crack-Radial	2		0.002	2	0	0.002
24		205.2		Sealed Off Wye	1		0.000	0	0	0.000
25		217.6		Crack-Horizontal	1		0.001	1	0	0.001
26		220.3		Crack-Radial	2		0.002	2	0	0.002
27		228.1		Crack-Horizontal	1		0.001	1	0	0.001
28		230.5	1235 N FOREST	Wye Service	5		0.000	400	0	0.000
			Pipe missing on the service line /	to be fixed by Sewer Maint.						
29		232.2		Sealed Off Wye	1		0.000	0	0	0.000
30		242.5		Crack-Radial	1		0.001	1	0	0.001
31		245.9		Crack-Radial	1		0.001	1	0	0.001
32		255.6		Sealed Off Wye	1		0.000	0	0	0.000
33		258.1		Sealed Off Wye	1		0.000	0	0	0.000
34		258.1		Crack-Radial	2		0.002	2	0	0.002
35		263.7		5448-520 US Manhole	1		0.000	0	0	0.000

Television Inspection Master Report

4/25/2011

11:22 AM

US Structure: 5448-518 1217 N FOREST ST Date Insp: 4/14/2010 Basin: C03E
 DS Structure: 5448-515 1209 W 11TH ST N Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : B-236
 Dia/Ht: 8 Material: VCP Index:
 Length: 315.5 Slope: 0.400 Surface: Rear Easement

Inspection Information

Crew: 692 Percent Full: Tape ID: DVD #0569

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5448-518 US Manhole	1	0.000	0	0	0.000	
1217 N FOREST										
2		9.4		Sealed Off Wye	1	0.000	0	0	0.000	
3		10.2		Crack-Radial	3	0.004	5	0	0.004	
4		12.1	1217 N FOREST	Wye Service	3	0.000	2	0	0.000	
5		15.5		Crack-Radial	2	0.002	2	0	0.002	
6		17.8		Crack-Radial	2	0.002	2	0	0.002	
7		32.7		Crack-Radial	2	0.002	2	0	0.002	
8		35.4		Sealed Off Wye	1	0.000	0	0	0.000	
9		38.2		Sealed Off Wye	1	0.000	0	0	0.000	
10		45.1		Crack-Radial	2	0.002	2	0	0.002	
11		50.2		Crack-Radial	1	0.001	1	0	0.001	
12		52.5		Crack-Radial	1	0.001	1	0	0.001	
13		62.8		Sealed Off Wye	1	0.000	0	0	0.000	
14		65.4	1215 N FOREST	Roots / Wye Service	3	0.000	2	0	0.000	
15		67.4		Crack-Radial	1	0.001	1	0	0.001	
16		79.7		Crack-Radial	3	0.004	5	0	0.004	
17		90.2		Sealed Off Wye	1	0.000	0	0	0.000	
18		92.8		Sealed Off Wye	1	0.000	0	0	0.000	
19		94.8	OH has a hole in the lid	Observation Hole	2	Source of surface water inflow.				
20		104.8		Crack-Radial	3	0.004	5	0	0.004	
21		115.1		Crack-Radial	2	0.002	2	0	0.002	
22		117.9		Crack-Radial	1	0.001	1	0	0.001	
23		119.4		Sealed Off Wye	2	0.000	0	0	0.000	
24		121.7		Sealed Off Wye	1	0.000	0	0	0.000	
25		140.2		Crack-Radial	2	0.002	2	0	0.002	
26		143.3	Previous hit & patched	Broken Pipe	1	0.004	30	0	0.004	
27		144.9		Crack-Radial	3	0.004	5	0	0.004	
28		146.5		Sealed Off Wye	1	0.000	0	0	0.000	
29		149.2	1205 N FOREST	Roots / Wye Service	5	0.000	400	0	0.000	

Television Inspection Master Report

4/25/2011

11:22 AM

US Structure: 5448-518 1217 N FOREST ST Date Insp: 4/14/2010 Basin: C03E
 DS Structure: 5448-515 1209 W 11TH ST N Dir Televised: Upstream To Downstream

30	149.6		Crack-Radial	3	0.004	5	0	0.004
31	167.1	Previous hit & patched	Broken Pipe	1	0.004	30	0	0.004
32	172.9		Sealed Off Wye	1	0.000	0	0	0.000
33	175.1	1210 W 11TH ST	Wye Service	1	0.000	0	0	0.000
34	197.4		Crack-Radial	2	0.002	2	0	0.002
35	200.2		Sealed Off Wye	1	0.000	0	0	0.000
36	202.6		Sealed Off Wye	1	0.000	0	0	0.000
37	209.7		Crack-Radial	2	0.002	2	0	0.002
38	212.1	OH has a hole in the lid	Observation Hole	2		Source of surface water inflow.		
39	217.0		Crack-Radial	2	0.002	2	0	0.002
40	227.6		Sealed Off Wye	1	0.000	0	0	0.000
41	229.4		Crack-Radial	2	0.002	2	0	0.002
42	230.9		Sealed Off Wye	1	0.000	0	0	0.000
43	232.0		Crack-Radial	3	0.004	5	0	0.004
44	234.1		Crack-Radial	1	0.001	1	0	0.001
45	239.7		Crack-Radial	1	0.001	1	0	0.001
46	254.3		Crack-Radial	1	0.001	1	0	0.001
47	271.6		Crack-Radial	1	0.001	1	0	0.001
48	289.4		Crack-Radial	4	0.008	10	0	0.008
49	301.2		Broken Pipe	5	0.060	100	0	0.060

Crown is pushing down slightly, but should be OK for CIPP installation. Invert is broken here also.
 Grade goes upward slightly to get into the manhole.

50	311.8	Brick trough	5448-515 DS Manhole	1	0.000	0	0	0.000
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12-5-12: The two observation holes that have lids allowing surface water inflow are under contract to be sealed off "by others".

Television Inspection Master Report

4/25/2011

1:14 PM

US Structure: 5448-532 1233 N PEARCE ST Date Insp: 4/7/2010 Basin: C03E
 DS Structure: 5448-529 1212 N FOREST AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : B-235
 Dia/Ht: 8 Material: VCP Index:
 Length: 338.1 Slope: 0.400 Surface:

Inspection Information

Crew: 692 Percent Full: Tape ID: DVD #0569

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5448-532 US Manhole						
2		5.2	VACANT LOT	Wye Service	2	0.000	0	0	0.000	
3		14.8		Sealed Off Wye	5	0.000	0	0	0.000	
4		14.8	Missing pipe / previous hit not patched /	Broken Pipe	5	0.060	100	0	0.060	
5		17.4		Sealed Off Wye	1	0.000	0	0	0.000	
6		17.9		Roots	1	0.002	1	1	0.002	
7		20.5		Roots	1	0.002	1	1	0.002	
8		33.0		Crack-Radial	2	0.002	2	0	0.002	
9		39.4		Sealed Off Wye	1	0.000	0	0	0.000	
10		42.0		Sealed Off Wye	2	0.000	0	0	0.000	
11		45.2		Roots	1	0.002	1	1	0.002	
12		64.2		Sealed Off Wye	3	0.000	0	0	0.000	
13		65.2		Crack-Radial	2	0.002	2	0	0.002	
14		66.7		Sealed Off Wye	1	0.000	0	0	0.000	
15		72.7		Crack-Radial	2	0.002	2	0	0.002	
16		89.7	1230 N FOREST	Wye Service	1	0.000	0	0	0.000	
17		92.2		Sealed Off Wye	1	0.000	0	0	0.000	
18		95.5		Crack-Radial	3	0.004	5	0	0.004	
19		96.7	1233 N PEARCE	Break-In Conn	2	0.002	0	0	0.002	
20		101.1		Observation Hole	1	0.000	0	0	0.000	
21		114.3	1228 N FOREST / PVC	Break-In Conn	1	0.001	0	0	0.001	
22		117.4		Sealed Off Wye	1	0.000	0	0	0.000	
23		120.1		Crack-Horizontal	2	0.002	2	0	0.002	
24		123.4		Crack-Horizontal	2	0.002	2	0	0.002	
25		128.5		Crack-Horizontal	1	0.001	1	0	0.001	
26		140.2		Sealed Off Wye	1	0.000	0	0	0.000	
27		140.9		Crack-Radial	2	0.002	2	0	0.002	
28		142.6	1231 N PEARCE	Wye Service	1	0.000	0	0	0.000	
29		155.9		Crack-Radial	1	0.001	1	0	0.001	

Television Inspection Master Report

4/25/2011

1:14 PM

US Structure: 5448-532 1233 N PEARCE ST Date Insp: 4/7/2010 Basin: C03E
 DS Structure: 5448-529 1212 N FOREST AVE Dir Televised: Upstream To Downstream

30	164.5	1229 N PEARCE	Break-In Conn	2	0.002	0	0	0.002
31	167.5		Sealed Off Wye	1	0.000	0	0	0.000
32	178.4	1220 N FOREST	Break-In Conn	1	0.001	0	0	0.001
33	185.8		Crack-Radial	2	0.002	2	0	0.002
34	192.7		Sealed Off Wye	1	0.000	0	0	0.000
35	194.0		Crack-Radial	2	0.002	2	0	0.002
36	195.4		Sealed Off Wye	1	0.000	0	0	0.000
37	206.4		Crack-Radial	3	0.004	5	0	0.004
38	214.8		Observation Hole	2	0.000	0	0	0.000
39	216.7		Crack-Radial	3	0.004	5	0	0.004
40	218.2	1216 N FOREST	Wye Service	2	0.000	0	0	0.000
41	220.7	1227 N PEARCE	Wye Service	2	0.000	0	0	0.000
42	224.2		Crack-Radial	1	0.001	1	0	0.001
43	243.4		Sealed Off Wye	1	0.000	0	0	0.000
44	246.0		Sealed Off Wye	1	0.000	0	0	0.000
45	249.4		Crack-Radial	2	0.002	2	0	0.002
46	259.5		Crack-Radial	3	0.004	5	0	0.004
47	262.2		Crack-Radial	3	0.004	5	0	0.004
48	268.6		Sealed Off Wye	1	0.000	0	0	0.000
49	271.1	1221 N PEARCE	Wye Service	2	0.000	0	0	0.000
50	272.2		Crack-Radial	3	0.004	5	0	0.004
51	282.1		Crack-Radial	2	0.002	2	0	0.002
52	284.4		Crack-Radial	2	0.002	2	0	0.002
53	289.7		Crack-Radial	1	0.001	1	0	0.001
54	291.9		Crack-Radial	1	0.001	1	0	0.001
55	293.3	1212 N FOREST	Wye Service	4	0.000	60	0	0.000
56	294.7		Crack-Radial	3	0.004	5	0	0.004
57	295.9	1213 N PEARCE	Wye Service	1	0.000	0	0	0.000
58	317.9	1210 N FOREST	Wye Service	5	0.000	400	0	0.000
			Offset outside of main / to be fixed by Sewer Maint.					
59	318.7		Crack-Radial	2	0.002	2	0	0.002
60	320.5		Sealed Off Wye	1	0.000	0	0	0.000
61	326.8		Crack-Radial	2	0.002	2	0	0.002
62	335.4	5448-529 DS Manhole		1	0.000	0	0	0.000

Where is tap for 1234 Forest?