

Remove 906 lf of 8" Pipe  
Install 906 lf of 8" Pipe  
(from MH 5348-064  
to MH 5348-055)

Remove and Replace 14 lf of Concrete Approach (N)  
Remove and Replace 32 lf of Pavement  
Remove and Replace 14 lf of Concrete Approach (S)  
Fill Sand, 60 lf (flushed & vibrated)  
  
(24" storm water sewer and 2" water line in Franklin)

Estimated 33 Service Reconnections (4")  
Estimated 1 Service Reconnection (6")  
Estimated 2 Curb Inlet Protection  
Estimated 40 lf Silt Fence

**SITE 1**

Harrison

956 957

MH 5348-064  
Remove Existing Manhole  
Construct Std. Manhole (4')  
Approx MH depth = 6.6 ft

MH 5348-061  
Remove Manhole  
Construct Std. Manhole (4')  
Approx MH depth = 6.9 ft

MH 5348-058  
Remove Manhole  
Construct Shallow Manhole (4')  
Approx MH depth = 5.0 ft

Franklin

902 857

MH 5348-055  
Remove Manhole  
Construct Std. Manhole (4')  
Approx MH depth = 6.2 ft

MH 5348-006

Murdock

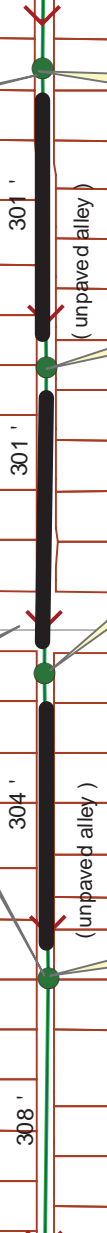
Murdock

Amidon

Perry

Coolidge

Woodrow



N AMIDON AVE

W HARRISON AVE

N PERRY AVE

N COOLIDGE AVE

N WOODROW AVE

W FRANKLIN AVE

956

953

902

857

829



## Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure: 5348-064      1819 W HARRISON ST      Date Insp: 6/9/2010      Basin: C03E  
 DS Structure: 5348-061      924 N PERRY ST      Dir Televised:      Upstream To Downstream

**Pipe Information**  
 Project No. : B-225      Dia: 8      Material: VCP      Length: 299.0      Slope: 0.400      DVD #0585

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0		5348-064 US Manhole	1	0.000		0	0.000
2		7.2	952 N PERRY	Break-In Conn	3	0.004		2	0.004
3		7.2		Crack-Radial	3	0.004		5	0.004
4		7.8		Broken Pipe	3	0.010		60	0.010
5		8.2	953 N COOLIDGE	Wye Service	4	0.000		60	0.000
6		9.6		Crack-Radial	4	0.008		10	0.008
7		27.3		Crack-Radial	2	0.002		2	0.002
8		31.4		Wye Service	1	0.000		0	0.000
9		32.8		Crack-Radial	2	0.002		2	0.002
10		34.1		Wye Service	1	0.000		0	0.000
11		35.1		Crack-Radial	3	0.004		5	0.004
12		46.9	951 N COOLIDGE	Break-In Conn	4	0.008		60	0.008
13		56.1	950 N PERRY	Break-In Conn	4	0.008		60	0.008
14		57.7		Crack-Radial	3	0.004		5	0.004
15		59.3		Wye Service	1	0.000		0	0.000
16		60.7		Crack-Radial	2	0.002		2	0.002
17		70.9		Crack-Horizontal	2	0.002		2	0.002
18		82.4		Wye Service	1	0.000		0	0.000
19		83.4		Crack-Radial	2	0.002		2	0.002
20		85.0		Wye Service	1	0.000		0	0.000
21		91.2		Crack-Radial	2	0.002		2	0.002
22		99.1		Observation Hole	1	0.000		0	0.000
23		105.9	941 N COOLIDGE	Break-In Conn	3	0.004		2	0.004
24		107.4	948 N PERRY / PVC	Break-In Conn	1	0.001		0	0.001
25		108.7		Crack-Radial	3	0.004		5	0.004
26		110.6		Wye Service	1	0.000		0	0.000
27		111.8		Broken Pipe	2	0.008		44	0.008
28		114.0		Crack-Horizontal	2	0.002		2	0.002
29		114.3		Crack-Radial	2	0.002		2	0.002
30		121.3		Roots	2	0.004		4	0.004
31		123.9		Roots	2	0.004		4	0.004
32		131.5		Roots	3	0.008		5	0.008
33		133.1		Wye Service	1	0.000		0	0.000
34		134.0		Roots	2	0.004		4	0.004
35		134.6		Crack-Horizontal	2	0.002		2	0.002
36		135.7		Wye Service	1	0.000		0	0.000
37		141.6		Roots	2	0.004		4	0.004
38		142.1		Crack-Horizontal	2	0.002		2	0.002
39		144.3		Roots	2	0.004		4	0.004
40		146.9		Roots	2	0.004		4	0.004

# Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure:	5348-064	1819 W HARRISON ST	Date Insp:	6/9/2010	Basin:	C03E		
DS Structure:	5348-061	924 N PERRY ST	Dir Televised:	Upstream To Downstream				
41	147.5		Crack-Horizontal	2	0.002	2	0	0.002
42	149.4		Roots	3	0.008	5	8	0.008
43	152.0		Roots	2	0.004	2	4	0.004
44	158.0	944 N PERRY	Wye Service	2	0.000	0	0	0.000
45	160.3	937 N COOLIDGE	Break-In Conn	3	0.004	2	0	0.004
46	162.4		Crack-Radial	2	0.002	2	0	0.002
47	164.7		Broken Pipe	3	0.010	60	0	0.010
48	167.0		Roots	2	0.004	2	4	0.004
49	169.5		Roots	2	0.004	2	4	0.004
50	172.3		Roots	2	0.004	2	4	0.004
51	174.8		Roots	2	0.004	2	4	0.004
52	179.9		Roots	3	0.008	5	8	0.008
53	180.3		Broken Pipe	2	0.008	44	0	0.008
54	180.9		Crack-Horizontal	2	0.002	2	0	0.002
55	184.3		Wye Service	1	0.000	0	0	0.000
56	185.2		Broken Pipe	3	0.010	60	0	0.010
57	186.0	933 N COOLIDGE	Wye Service	2	0.000	0	0	0.000
58	187.9		Broken Pipe	3	0.010	60	0	0.010
59	190.2		Roots	3	0.008	5	8	0.008
60	197.8		Roots	2	0.004	2	4	0.004
61	200.9		Broken Pipe	2	0.008	44	0	0.008
62	201.0		Observation Hole	1	0.000	0	0	0.000
63	205.5		Roots	3	0.008	5	8	0.008
64	208.1		Roots	3	0.008	5	8	0.008
65	209.8		Wye Service	1	0.000	0	0	0.000
66	211.2		Crack-Radial	2	0.002	2	0	0.002
67	212.3		Wye Service	1	0.000	0	0	0.000
68	215.6		Roots	2	0.004	2	4	0.004
69	218.3		Crack-Radial	3	0.004	5	0	0.004
70	220.8		Roots	3	0.008	5	8	0.008
71	231.2		Crack-Horizontal	2	0.002	2	0	0.002
72	232.8	933 N COOLIDGE	Break-In Conn	3	0.004	2	0	0.004
73	233.4	930 N PERRY	Break-In Conn	3	0.004	2	0	0.004
74	235.5		Wye Service	1	0.000	0	0	0.000
75	238.0		Wye Service	1	0.000	0	0	0.000
76	244.4		Broken Pipe	4	0.030	78	0	0.030
77	259.9		Crack-Radial	2	0.002	2	0	0.002
78	261.2		Wye Service	1	0.000	0	0	0.000
79	262.6		Broken Pipe	3	0.010	60	0	0.010
80	263.6	927 N COOLIDGE	Wye Service	2	0.000	0	0	0.000
81	264.9		Crack-Radial	4	0.008	10	0	0.008
82	282.6	Joint	Offset / PVC begins	2	0.000	0	0	0.000
83	283.9	924 N PERRY / PVC	Break-In Conn	1	0.001	0	0	0.001
84	286.3	Joint	Offset / PVC ends	2	0.000	0	0	0.000
85	289.2		Wye Service	1	0.000	0	0	0.000
86	298.2			1				

5348-061 DS Manhole  
**Several connections in very poor cond.**

## Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure: 5348-061 924 N PERRY ST  
DS Structure: 5348-058 858 N PERRY ST

Date Insp: 6/9/2010 Basin:  
Dir Televised: Upstream To Downstream

C03E

### Pipe Information

Dia: 8 Material: VCP Length: 301.0

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			Remain (gpm)
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	
1		0.0		5348-061 US Manhole	1	0.000	0	0	0.000
2		12.7		Crack-Radial	2	0.002	2	0	0.002
3		14.4		Wye Service	1	0.000	0	0	0.000
4		15.7		Broken Pipe	2	0.008	44	0	0.008
5		16.9		Wye Service	1	0.000	0	0	0.000
6		18.6	923 N COOLIDGE	Break-In Conn	3	0.004	2	0	0.004
7		31.1		Crack-Horizontal	2	0.002	2	0	0.002
8		40.2	920 N PERRY	Wye Service	3	0.000	2	0	0.000
9		42.9		Wye Service	1	0.000	0	0	0.000
10		46.2		Crack-Horizontal	3	0.004	5	0	0.004
11		46.7		Crack-Horizontal	2	0.002	2	0	0.002
12		48.5	917 N COOLIDGE	Break-In Conn	5	0.010	400	0	0.010
13		50.0		Crack-Horizontal	2	0.002	2	0	0.002
14		66.4		Wye Service	3	0.000	2	0	0.000
15		67.6		Crack-Horizontal	2	0.002	2	0	0.002
16		68.8		Wye Service	1	0.000	0	0	0.000
17		85.5		Crack-Radial	2	0.002	2	0	0.002
18		88.1		Broken Pipe	3	0.010	60	0	0.010
19		90.3		Crack-Horizontal	2	0.002	2	0	0.002
20		91.8		Wye Service	2	0.000	0	0	0.000
21		94.2		Wye Service	1	0.000	0	0	0.000
22		98.0		Crack-Radial	3	0.004	5	0	0.004
23		98.3		Observation Hole	1	0.000	0	0	0.000
24		100.5		Broken Pipe	4	0.030	78	0	0.030
25		106.9	914 N PERRY	Break-In Conn	3	0.004	2	0	0.004
26		110.7		Crack-Radial	2	0.002	2	0	0.002
27		114.0	911 N COOLIDGE	Break-In Conn	4	0.008	60	0	0.008
28		116.9		Wye Service	1	0.000	0	0	0.000
29		119.4		Wye Service	1	0.000	0	0	0.000
30		130.6		Crack-Radial	3	0.004	5	0	0.004
31		141.8		Wye Service	1	0.000	0	0	0.000
32		144.4	907 N COOLIDGE	Wye Service	1	0.000	0	0	0.000
33		161.0	906 N PERRY	Break-In Conn	4	0.008	60	0	0.008
34		167.2		Wye Service	1	0.000	0	0	0.000

## Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure: 5348-061      924 N PERRY ST      Date Insp: 6/9/2010      Basin: C03E  
 DS Structure: 5348-058      858 N PERRY ST      Dir Televised: Upstream To Downstream

35	169.7		Wye Service	1	0.000	0	0	0.000
36	191.9	902 N PERRY	Break-In Conn	3	0.004	2	0	0.004
37	193.7		Crack-Radial	2	0.002	2	0	0.002
38	195.0		Wye Service	1	0.000	0	0	0.000
39	199.0		Crack-Horizontal	2	0.002	2	0	0.002
40	199.2		Observation Hole	1	0.000	0	0	0.000
41	212.9	903 N COOLLIDGE	Wye Service	2	0.000	0	0	0.000
42	213.3		Broken Pipe	5	0.060	100	0	0.060
43	217.9		Wye Service	1	0.000	0	0	0.000
44	220.3		Wye Service	1	0.000	0	0	0.000
45	251.0	¾ tile water marks	Sag	3	0.000	5	0	0.000
46	254.4		Sag	1	0.000	1	0	0.000
47	295.1		Broken Pipe / hole	5	0.060	100	0	0.060
48	300.1		5348-058 DS Manhole	2				

## Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure: 5348-058      858 N PERRY ST  
 DS Structure: 5348-055      830 N PERRY ST

Date Insp: 6/14/2010      Basin: C03E  
 Dir Televised: Upstream To Downstream

**Pipe Information**

Dia: 8      Material: VCP      Length: 304.5

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			Remain (gpm)
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	
1		0.0		5348-058 US Manhole	1				
2		0.0		Crack-Horizontal	2	0.002	2	0	0.002
3		9.2		Crack-Radial	2	0.002	2	0	0.002
4		15.7	858 N PERRY	Wye Service	1	0.000	0	0	0.000
5		16.9		Broken Pipe	2	0.008	44	0	0.008
6		17.4	857 N COOLIDGE	Wye Service	1	0.000	0	0	0.000
7		19.4		Broken Pipe	2	0.008	44	0	0.008
8		33.9		Crack-Radial	2	0.002	2	0	0.002
9		40.4		Wye Service	1	0.000	0	0	0.000
10		43.0		Wye Service	1	0.000	0	0	0.000
11		56.4		Crack-Radial	3	0.004	5	0	0.004
12		57.5	851 N COOLIDGE	Break-In Conn	3	0.004	2	0	0.004
13		58.9		Broken Pipe	2	0.008	44	0	0.008
14		64.1		Crack-Radial	2	0.002	2	0	0.002
15		64.6	852 N PERRY	Wye Service	1	0.000	0	0	0.000
16		66.4		Broken Pipe	2	0.008	44	0	0.008
17		68.0		Wye Service	1	0.000	0	0	0.000
18		69.2		Broken Pipe	3	0.010	60	0	0.010
19		79.4		Crack-Radial	2	0.002	2	0	0.002
20		79.4		Crack-Horizontal	2	0.002	2	0	0.002
21		84.0		Crack-Radial	2	0.002	2	0	0.002
22		84.3		Broken Pipe	2	0.008	44	0	0.008
23		86.2		Crack-Radial	2	0.002	2	0	0.002
24		86.9		Crack-Radial	2	0.002	2	0	0.002
25		89.2		Crack-Radial	2	0.002	2	0	0.002
26		89.8	846 N PERRY	Wye Service	1	0.000	0	0	0.000
27		91.7		Crack-Horizontal	2	0.002	2	0	0.002
28		91.9		Broken Pipe	3	0.010	60	0	0.010
29		92.2	845 N COOLIDGE	Break-In Conn	3	0.004	2	0	0.004
30		94.3		Crack-Radial	2	0.002	2	0	0.002
31		99.6		Broken Pipe	2	0.008	44	0	0.008
32		101.9		Crack-Horizontal	3	0.004	5	0	0.004
33		101.9		Crack-Radial	2	0.002	2	0	0.002
34		102.0		Observation Hole	2	0.000	0	0	0.000

## Video Inspection Master Report

7/3/2012  
7:49 AM

US Structure: 5348-055      858 N PERRY ST      Date Insp: 6/14/2010      Basin: C03E  
 DS Structure: 5348-055      830 N PERRY ST      Dir Televised: Upstream To Downstream

35	111.8		Crack-Radial	2	0.002	2	0	0.002
36	114.8		Crack-Radial	2	0.002	2	0	0.002
37	115.8		Wye Service	1	0.000	0	0	0.000
38	117.3		Crack-Radial	2	0.002	2	0	0.002
39	118.5		Wye Service	1	0.000	0	0	0.000
40	140.4		Crack-Radial	2	0.002	2	0	0.002
41	141.8		Wye Service	1	0.000	0	0	0.000
42	143.0		Broken Pipe	2	0.008	44	0	0.008
43	143.8	843 N COOLIDGE / PVC	Break-In Conn	1	0.001	0	0	0.001
44	145.7		Crack-Radial	2	0.002	2	0	0.002
45	150.8		Crack-Radial	2	0.002	2	0	0.002
46	156.4		Sag	3	0.000	5	0	0.000
47	199.5		Sag	1	0.000	1	0	0.000
48	200.5		Crack-Radial	2	0.002	2	0	0.002
49	200.9		Observation Hole	1	0.000	0	0	0.000
50	205.6	833 N COOLIDGE	Break-In Conn	4	0.008	60	0	0.008
51	219.8		Wye Service	1	0.000	0	0	0.000
52	221.1		Crack-Radial	2	0.002	2	0	0.002
53	222.3		Wye Service	1	0.000	0	0	0.000
54	244.4		Crack-Radial	2	0.002	2	0	0.002
55	245.1	838 N PERRY	Wye Service	1	0.000	0	0	0.000
56	247.4	831 N COOLIDGE	Wye Service	1	0.000	0	0	0.000
57	271.5		Wye Service	1	0.000	0	0	0.000
58	273.3	829 N COOLIDGE	Wye Service / <del>entry</del>	1	TAP FIXED BY SEWER MAINT. / PVC NOW			
59	297.1	830 N PERRY	Wye Service	1	0.000	0	0	0.000
60	299.8		Wye Service	1	0.000	0	0	0.000
61	304.0		5348-055 DS Manhole	2				

Several taps in poor condition