



## Video Inspection Master Report

3/4/2013

9:34 AM

**US Structure:** 5748-345                      **4703 E 13TH ST**                      **Date Insp:** 1/13/2012                      **Basin:** E041  
**DS Structure:** 5748-344                      **1328 N DELLROSE ST**                      **Dir Televised:** Upstream To Downstream

**Pipe Information**

<b>Shape:</b> Round	<b>Length Status:</b>	<b>Project No. :</b> E-083
<b>Dia/Ht:</b> 8	<b>Material:</b> VCP	<b>Index:</b>
<b>Length:</b> 339.2	<b>Slope:</b> 0.381	<b>Surface:</b>

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings		Remain (gpm)
							Est. (gpm)	Struct Clean	
1		0.0		5748-345 US Manhole	1				
2		6.0		Wye Service	1	0.000	0	0	0.000
3		10.1		Wye Service	1	0.000	0	0	0.000
4		31.4		Wye Service	1	0.000	0	0	0.000
				4703 E 13TH ST N / roots & paper buildup in service					
5		34.0		Wye Service	1	0.000	0	0	0.000
6		55.1		Wye Service	1	0.000	0	0	0.000
				4703 E 13TH ST N / mineral deposits					
7		58.3		Wye Service	1	0.000	0	0	0.000
8		82.2		Wye Service	1	0.000	0	0	0.000
9		85.1		Wye Service	3	0.000	2	0	0.000
				4717 E 13TH ST N / offset first joint outside of main					
10		85.7		Break-In Conn	1	0.001	0	0	0.001
				4703 E 13TH ST N					
11		106.1		Wye Service	1	0.000	0	0	0.000
12		109.3		Wye Service	1	0.000	0	0	0.000
13		130.1		Wye Service	1	0.000	0	0	0.000
				1338 N DELLROSE					
14		132.9		Wye Service	1	0.000	0	0	0.000
15		134.1	(water at top of camera lens)	Sag begins	3	0.000	5	0	0.000
16		157.5		Wye Service	2	0.000	0	0	0.000
				1338 N DELLROSE / roots inside					
17		159.3		Break-In Conn	2	0.002	0	0	0.002
				1343 N OLIVER / PVC					
18		180.7		Wye Service	1	0.000	0	0	0.000
19		183.2		Wye Service	2	0.000	0	0	0.000
				1332 N DELLROSE / roots inside					
20		184.3	(infiltration at cracks)	Crack-Horizontal	2	0.002	2	0	0.002

## Video Inspection Master Report

3/4/2013

9:34 AM

US Structure: 5748-345                      4703 E 13TH ST                      Date Insp: 1/13/2012                      Basin: E04I  
 DS Structure: 5748-344                      1328 N DELLROSE ST                      Dir Televised: Upstream To Downstream

21	204.2		Break-In Conn	3	0.004	2	0	0.004
1328 N DELLROSE / heavy roots inside								
22	207.8		Wye Service	2	0.000	0	0	0.000
1329 N OLIVER / heavy roots inside								
23	229.0		Wye Service	2	0.000	0	0	0.000
24	229.0		Crack-Horizontal	2	0.002	2	0	0.002
25	231.2	mineral deposits	Crack-Horizontal	2	0.002	2	0	0.002
26	232.0		Wye Service	1	0.000	0	0	0.000
27	255.8		Wye Service	1	0.000	0	0	0.000
1328 N DELLROSE								
28	259.0	mineral deposits	Wye Service	1	0.000	0	0	0.000
29	279.7		Wye Service	1	0.000	0	0	0.000
30	282.9		Wye Service	1	0.000	0	0	0.000
31	306.0		Wye Service	3	0.000	2	0	0.000
1328 N DELLROSE / heavy roots inside								
32	309.9		Wye Service	1	0.000	0	0	0.000
1329 N OLIVER								
33	319.3		Sag	3	0.000	5	0	0.000
34	323.4		Sag	1	0.000	1	0	0.000
35	330.8		Wye Service	1	0.000	0	0	0.000
36	333.8		Wye Service	1	0.000	0	0	0.000
37	339.1		5748-344 DS Manhole	2	0.000	0	0	0.000



# Video Inspection Master Report

3/4/2013

9:34 AM

US Structure: 5748-344      1328 N DELLROSE ST      Date Insp: 1/13/2012      Basin: E04I  
 DS Structure: 5748-343      1258 N DELLROSE AVE      Dir Televised: Upstream To Downstream

**Pipe Information**

Shape: Round      Length Status:      Project No. : E-083  
 Dia/Ht: 8      Material: VCP      Index:  
 Length: 319.4      Slope: 0.379      Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		US Manhole	1		0.000	0	0	0.000
2		15.8		Wye Service	1		0.000	0	0	0.000
3		18.8		Wye Service	1		0.000	0	0	0.000
4		42.0		Wye Service	2		0.000	0	0	0.000
1322 N DELLROSE / roots inside										
5		43.2		Crack-Horizontal	2		0.002	2	0	0.002
6		44.3		Crack-Horizontal	3		0.004	5	0	0.004
7		45.6		Wye Service	2		0.000	0	0	0.000
1321 N OLIVER / roots inside										
8		48.3		Crack-Horizontal	3		0.004	5	0	0.004
9		50.5		Crack-Horizontal	3		0.004	5	0	0.004
10		54.0		Crack-Horizontal	2		0.002	2	0	0.002
11		66.2		Wye Service	2		0.000	0	0	0.000
12		69.5		Wye Service	1		0.000	0	0	0.000
13		72.7		Crack-Horizontal	3		0.004	5	0	0.004
14		75.4		Crack-Horizontal	3		0.004	5	0	0.004
15		77.9		Crack-Horizontal	3		0.004	5	0	0.004
16		90.5		Wye Service	2		0.000	0	0	0.000
1316 N DELLROSE / roots inside										
17		91.2		Crack-Horizontal	2		0.002	2	0	0.002
18		93.2		Break-In Conn	2		0.002	0	0	0.002
1319 N OLIVER / roots inside										
19		116.1		Crack-Horizontal	3		0.004	5	0	0.004
20		117.6		Wye Service	1		0.000	0	0	0.000
21		120.5		Wye Service	1		0.000	0	0	0.000
22		123.1		Crack-Horizontal	3		0.004	5	0	0.004
23		124.7	Joint	Offset	3		0.010	20	0	0.010
24		128.3		Crack-Horizontal	2		0.002	2	0	0.002
25		137.4		Crack-Horizontal	2		0.002	2	0	0.002
26		141.6		Wye Service	1		0.000	0	0	0.000
1312 N DELLROSE										
27		141.6		Crack-Horizontal	2		0.002	2	0	0.002
28		142.1		Crack-Horizontal	3		0.004	5	0	0.004

## Video Inspection Master Report

3/4/2013

9:34 AM

US Structure: 5748-344      1328 N DELLROSE ST      Date Insp: 1/13/2012      Basin: E04I  
 DS Structure: 5748-343      1258 N DELLROSE AVE      Dir Televised: Upstream To Downstream

29	143.1	Crack-Horizontal	4	0.008	10	0	0.008
30	144.4	Wye Service	5	0.000	400	0	0.000
1315 N OLIVER							
31	146.4	Crack-Horizontal	3	0.004	5	0	0.004
32	149.8	Crack-Horizontal	3	0.004	5	0	0.004
33	165.3	Wye Service	1	0.000	0	0	0.000
34	168.8	Wye Service	1	0.000	0	0	0.000
35	185.4	Crack-Horizontal	2	0.002	2	0	0.002
36	188.4	Crack-Horizontal	3	0.004	5	0	0.004
37	192.4	Wye Service	1	0.000	0	0	0.000
1308 N DELLROSE							
38	195.4	Wye Service	1	0.000	0	0	0.000
1307 N OLIVER							
39	216.9	Wye Service	1	0.000	0	0	0.000
1308 N DELLROSE							
40	219.6	Wye Service	1	0.000	0	0	0.000
41	241.0	Wye Service	1	0.000	0	0	0.000
1302 N DELLROSE							
42	243.8	Wye Service	1	0.000	0	0	0.000
1301 N OLIVER							
43	318.4	DS Manhole	2	0.000	0	0	0.000

Roots & infiltration marks at cracks. Sealed wyes are leaking and letting in roots. -LML



# Video Inspection Master Report

3/4/2013

9:34 AM

US Structure: 5748-343      1258 N DELLROSE AVE      Date Insp: 1/18/2012      Basin: E041  
 DS Structure: 5748-342      1228 N DELLROSE AVE      Dir Televised: Upstream To Downstream

**Pipe Information**

Shape: Round      Length Status:      Project No. : E-083  
 Dia/Ht: 8      Material: VCP      Index:  
 Length: 329.0      Slope: 0.380      Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5748-343 US Manhole	1	0.000	0	0	0.000	
2		9.6		Wye Service	2	0.000	0	0	0.000	
3		13.4		Wye Service	1	0.000	0	0	0.000	
1259 N OLIVER										
4		34.2		Wye Service	1	0.000	0	0	0.000	
1258 N DELLROSE										
5		37.3		Wye Service	1	0.000	0	0	0.000	
6		57.7		Wye Service	2	0.000	0	0	0.000	
1252 N DELLROSE / roots inside										
7		60.6		Wye Service	2	0.000	0	0	0.000	
1255 N OLIVER / roots inside										
8		81.3		Break-In Conn	1	0.001	0	0	0.001	
1251 N OLIVER / PVC										
9		85.0		Wye Service	1	0.000	0	0	0.000	
1248 N DELLROSE										
10		85.1		Crack-Horizontal	3	0.004	5	0	0.004	
11		87.7		Wye Service	1	0.000	0	0	0.000	
12		96.8		Crack-Horizontal	2	0.002	2	0	0.002	
13		108.0		Wye Service	2	0.000	0	0	0.000	
1242 N DELLROSE										
14		111.3		Break-In Conn	4	0.008	60	0	0.008	
1243 N OLIVER / connection protrudes approx 1" / OK to line over it – it may possibly get replaced by Sewer Maintenance -LML										
15		125.6		Crack-Radial	3	0.004	5	0	0.004	
16		126.8		Crack-Horizontal	3	0.004	5	0	0.004	
17		128.7		Crack-Horizontal	3	0.004	5	0	0.004	
18		131.4		Crack-Horizontal	3	0.004	5	0	0.004	
19		132.8		Wye Service	1	0.000	0	0	0.000	
1238 N DELLROSE										
20		135.3		Wye Service	3	0.000	2	0	0.000	
1239 N OLIVER / full of roots										
21		135.8		Crack-Horizontal	3	0.004	5	0	0.004	
22		138.3		Crack-Horizontal	2	0.002	2	0	0.002	
23		141.9		Crack-Horizontal	2	0.002	2	0	0.002	

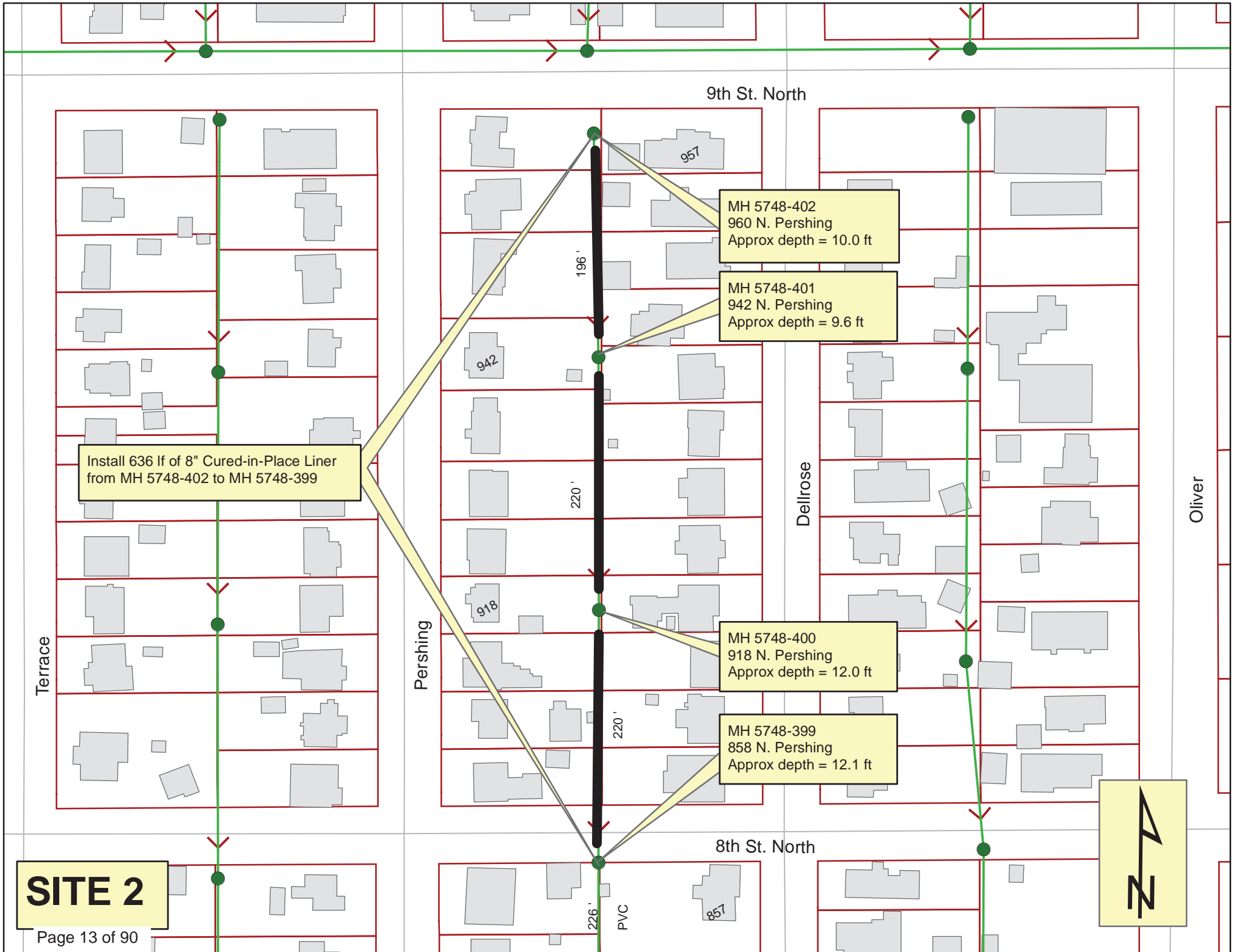
## Video Inspection Master Report

3/4/2013

9:34 AM

US Structure:	5748-343	1258 N DELLROSE AVE	Date Insp:	1/18/2012	Basin:	E041
DS Structure:	5748-342	1228 N DELLROSE AVE	Dir Televised:	Upstream To Downstream		
24	144.4		Crack-Horizontal	2	0.002	2 0 0.002
25	146.8		Crack-Horizontal	3	0.004	5 0 0.004
26	159.8		Wye Service	1	0.000	0 0 0.000
27	162.7		Wye Service	1	0.000	0 0 0.000
28	170.8		Crack-Horizontal	2	0.002	2 0 0.002
29	173.4		Crack-Horizontal	3	0.004	5 0 0.004
30	175.1		Break-In Conn	3	0.004	2 0 0.004
1233 N OLIVER / extended tap – ok to line over it - LML						
31	176.4		Crack-Horizontal	3	0.004	5 0 0.004
32	182.5		Wye Service	2	0.000	0 0 0.000
33	185.8		Wye Service	2	0.000	0 0 0.000
1232 N DELLROSE / heavy roots inside						
34	187.8		Roots	3	0.008	5 8 0.008
35	190.8		Roots	2	0.004	2 4 0.004
36	196.8		Roots	2	0.004	2 4 0.004
37	199.6		Roots	2	0.004	2 4 0.004
38	209.6		Wye Service	2	0.000	0 0 0.000
39	212.8		Wye Service	2	0.000	0 0 0.000
40	233.5		Wye Service	2	0.000	0 0 0.000
1228 N DELLROSE / full of roots						
41	234.1		Crack-Horizontal	3	0.004	5 0 0.004
42	236.9	1229 N OLIVER	Wye Service	2	0.000	0 0 0.000
43	257.3		Wye Service	2	0.000	0 0 0.000
44	259.6		Roots	2	0.004	2 4 0.004
45	260.4		Wye Service	2	0.000	0 0 0.000
46	269.9		Crack-Horizontal	2	0.002	2 0 0.002
47	272.4		Crack-Horizontal	2	0.002	2 0 0.002
48	276.2		Crack-Radial	3	0.004	5 0 0.004
49	278.6		Crack-Horizontal	2	0.002	2 0 0.002
50	279.3		Crack-Radial	3	0.004	5 0 0.004
51	284.3	1228 N DELLROSE / PVC	Break-In Conn	1	0.001	0 0 0.001
52	286.5		Crack-Radial	2	0.002	2 0 0.002
53	288.0	1239 N OLIVER	Wye Service	2	0.000	0 0 0.000
54	288.4		Crack-Horizontal	3	0.004	5 0 0.004
55	290.8		Broken Pipe	4	0.030	78 0 0.030
56	293.9		Broken Pipe	3	0.010	60 0 0.010
57	296.8		Crack-Horizontal	2	0.002	2 0 0.002
58	306.4		Crack-Horizontal	2	0.002	2 0 0.002
59	308.1		Wye Service	2	0.000	0 0 0.000
60	308.4		Crack-Horizontal	3	0.004	5 0 0.004
61	311.2		Wye Service	2	0.000	0 0 0.000
62	314.9		Crack-Horizontal	2	0.002	2 0 0.002
63	328.9	5748-342	DS Manhole	3		

Sealed off wyes are leaking and letting in roots. -LML



9th St. North

MH 5748-402  
960 N. Pershing  
Approx depth = 10.0 ft

MH 5748-401  
942 N. Pershing  
Approx depth = 9.6 ft

Install 636 lf of 8" Cured-in-Place Liner  
from MH 5748-402 to MH 5748-399

Dellrose

Oliver

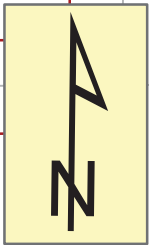
MH 5748-400  
918 N. Pershing  
Approx depth = 12.0 ft

MH 5748-399  
858 N. Pershing  
Approx depth = 12.1 ft

Terrace

Pershing

8th St. North



**SITE 2**  
Page 13 of 90

226' PVC

196'

220'

220'

942

918

957

857



E 9TH ST N

957

942

N PERSHING AVE

918

N DELLROSE AVE

E 8TH ST N





# Television Inspection Master Report

3/2/2011  
11:04 AM

US Structure: 5748-402                      960 N PERSHING AVE                      Date Insp:9/15/2010                      Basin:E04E  
 DS Structure: 5748-401                      942 N PERSHING AVE                      Dir Televised: Downstream To Upstream

**Pipe Information**

Project No. : C-054      Dia: 8      Material: VCP      Length: 196.0      Slope: 0.400      DVD #0600

**REVERSE SETUP:**

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0	TV AGAINST FLOW	5748-401 / DS Manhole	4					
		0.0		PVC begins at manhole'						
		7.0	933 DELLROSE	PVC Tap						
		9.2	942 PERSHING	PVC Tap						
		17.0		PVC ends						
<b>DOWNSTREAM 17 LF OF PIPE WAS REPLACED "BY OTHERS" since this tv log was made. -LML</b>										
6		24.6	Joint	Offset	2	0.000	0	0	0.000	
7		25.8	935 N DELLROSE	Break-In Conn	3	(this tap is not on book/page record)				
8		30.4		Wye Service	1	0.000	0	0	0.000	
9		33.5		Wye Service	1	0.000	0	0	0.000	
10		39.5		Roots	2	0.004	2	4	0.004	
11		45.7		Roots	2	0.004	2	4	0.004	
12		48.5		Roots	2	0.004	2	4	0.004	
13		51.7	Joint	Offset	2	0.000	0	0	0.000	
14		54.8	Joint	Offset	2	0.000	0	0	0.000	
15		57.8	Joint	Offset	3	0.010	20	0	0.010	
16		60.8		Wye Service	1	0.000	0	0	0.000	
17		60.8	Joint	Offset	3	0.010	20	0	0.010	
18		63.5	944 N PERSHING	Break-In Conn	3	0.004	2	0	0.004	
19		69.8		Roots	3	0.008	5	8	0.008	
20		69.8	Joint	Offset	2	0.000	0	0	0.000	
21		73.0	Joint	Offset	2	0.000	0	0	0.000	
22		79.0	Joint	Offset	3	0.010	20	0	0.010	
23		88.1		Wye Service	1	0.000	0	0	0.000	
24		91.1		Wye Service	1	0.000	0	0	0.000	
25		94.2		Roots	2	0.004	2	4	0.004	
26		94.2	Joint	Offset	2	0.000	0	0	0.000	
27		100.4	Joint	Offset	2	0.000	0	0	0.000	
28		101.4	947 N DELLROSE	Break-In Conn	3	0.004	2	0	0.004	
29		109.3	Joint	Offset	2	0.000	0	0	0.000	
30		115.2	953 N DELLROSE	Wye Service	1	0.000	0	0	0.000	
31		115.7	Joint	Offset	3	0.010	20	0	0.010	
32		118.1	950 N PERSHING	Wye Service	1	0.000	0	0	0.000	
33		118.4	Joint	Offset	3	0.010	20	0	0.010	

US Structure: 5748-402                      960 N PERSHING AVE                      Date Insp: 9/15/2010                      Basin: E04E  
 DS Structure: 5748-401                      942 N PERSHING AVE                      Dir Televised: Downstream To Upstream

**REVERSE SETUP CONTINUED:**

34	123.9	Joint		Offset	3	0.010	20	0	0.010
35	139.9	Joint		Offset	3	0.010	20	0	0.010
36	142.9			Wye Service	1	0.000	0	0	0.000
37	143.0	Joint		Offset	3	0.010	20	0	0.010
38	146.1			Wye Service	1	0.000	0	0	0.000
39	146.1	Joint		Offset	3	0.010	20	0	0.010
40	152.7	Joint		Offset	3	0.010	20	0	0.010
41	155.6	Joint		Offset	3	0.010	20	0	0.010
42	161.0			Roots	2	0.004	2	4	0.004
43	169.2	957 N DELLROSE (ball of roots)		Wye Service	3	0.000	2	0	0.000
44	173.2	960 N PERSHING		Wye Service	2	0.000	0	0	0.000
45	173.2			Roots	3	0.008	5	8	0.008
46	173.5	Joint		Offset	3	0.010	20	0	0.010
47	178.2			Roots	3	0.008	5	8	0.008
48	186.0	Joint		Offset	3	0.010	20	0	0.010
49	195.3	Joint		Offset	4	0.030	60	0	0.030
50	197.1	Joint		Offset	2	0.000	0	0	0.000
	197.0	Manhole Constructed "by others"							

**USMH 5748-402**

***Repair was made "by others" to move the upstream manhole to this point on the line.  
 (to eliminate major sags and offsets in the line north of this point) -LML***

(original line segment was 218 lf long)

# Television Inspection Master Report

3/2/2011

11:04 AM

US Structure: 5748-401                      942 N PERSHING AVE                      Date Insp: 9/15/2010                      Basin: E04E  
 DS Structure: 5748-400                      918 N PERSHING AVE                      Dir Televised: Downstream To Upstream

**Pipe Information**

Project No. : C-054      Dia: 8      Material: VCP      Length: 220.0      Slope: 0.400      DVD #0600

**Obs.VTRRatings**

#	Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct	Clean	Remain (gpm)
1		0.0	TV AGAINST FLOW	5748-400 / DS Manhole	1		0.000	0	0	0.000
2		0.8	Joint	Offset	3		0.010	20	0	0.010
3		3.4	919 N DELLROSE	Break-In Conn	2		0.002	0	0	0.002
4		4.1		Roots	4		0.010	10	25	0.010
5		6.5	918 N PERSHING	Break-In Conn	2		0.002	0	0	0.002
6		6.9		Roots	3		0.008	5	8	0.008
7		9.9	Joint	Offset	2		0.000	0	0	0.000
8		16.1	Joint	Offset	3		0.010	20	0	0.010
9		19.2	Joint	Offset	3		0.010	20	0	0.010
10		25.4	Joint	Offset	3		0.010	20	0	0.010
11		26.0		Crack-Horizontal	3		0.004	5	0	0.004
12		31.3	923 N DELLROSE	Wye Service	2		0.000	0	0	0.000
13		31.6	Joint	Offset	3		0.010	20	0	0.010
14		32.6		Crack-Horizontal	3		0.004	5	0	0.004
15		34.4		Wye Service	1		0.000	0	0	0.000
16		34.7	Joint	Offset	2		0.000	0	0	0.000
17		35.3		Crack-Horizontal	3		0.004	5	0	0.004
18		37.5	Joint	Offset	3		0.010	20	0	0.010
19		38.4		Crack-Horizontal	4		0.008	10	0	0.008
20		39.9	922 N PERSHING	Break-In Conn	3		0.004	2	0	0.004
21		43.7	Joint	Offset	2		0.000	0	0	0.000
22		47.0	Joint	Offset	2		0.000	0	0	0.000
23		50.0	Joint	Offset	3		0.010	20	0	0.010
24		56.1	Joint	Offset	3		0.010	20	0	0.010
25		58.7		Wye Service	1		0.000	0	0	0.000
26		59.0	Joint	Offset	2		0.000	0	0	0.000
27		61.9		Wye Service	1		0.000	0	0	0.000
28		68.1	Joint	Offset	2		0.000	0	0	0.000
29		70.9		Roots	4		0.010	10	25	0.010
30		71.3	Joint	Offset	3		0.010	20	0	0.010
31		74.3		Roots	2		0.004	2	4	0.004
32		77.4	Joint	Offset	3		0.010	20	0	0.010
33		80.4	Joint	Offset	3		0.010	20	0	0.010
34		86.1	925 N DELLROSE	Wye Service	2		0.000	0	0	0.000
36		88.9	928 N PERSHING	Wye Service	3		0.000	2	0	0.000

A 10 foot repair was made "by others" since this televising. Both of these tap connections were replaced.

-LML

# Television Inspection Master Report

3/2/2011

11:04 AM

US Structure: 5748-401                      942 N PERSHING AVE                      Date Insp: 9/15/2010                      Basin: E04E  
 DS Structure: 5748-400                      918 N PERSHING AVE                      Dir Televised: Downstream To Upstream

39	95.5	Joint	Offset	3	0.010	20	0	0.010
40	98.4		Roots	3	0.008	5	8	0.008
41	101.6	Joint	Offset	3	0.010	20	0	0.010
42	107.7	Joint	Offset	3	0.010	20	0	0.010
43	110.9	Joint	Offset	3	0.010	20	0	0.010
44	113.4		Wye Service	1	0.000	0	0	0.000
45	117.5		Wye Service	1	0.000	0	0	0.000
46	120.6	Joint	Offset	3	0.010	20	0	0.010
47	123.2	Joint	Offset	2	0.000	0	0	0.000
48	126.2	Joint	Offset	2	0.000	0	0	0.000
49	129.1	Joint	Offset	2	0.000	0	0	0.000
50	132.3	Joint	Offset	2	0.000	0	0	0.000
51	135.4	Joint	Offset	2	0.000	0	0	0.000
52	138.2		Wye Service	1	0.000	0	0	0.000
53	138.2	Joint	Offset	3	0.010	20	0	0.010
54	138.7		Crack-Horizontal	3	0.004	5	0	0.004
55	140.8	936 N PERSHING	Break-In Conn	4	0.008	60	0	0.008
56	144.0	931 N DELLROSE	Break-In Conn	3	0.004	2	0	0.004
57	150.2	Joint	Offset	2	0.000	0	0	0.000
58	153.5	Joint	Offset	2	0.000	0	0	0.000
59	159.6	Joint	Offset	2	0.000	0	0	0.000
60	162.5		Roots	2	0.004	2	4	0.004
61	165.5		Wye Service	1	0.000	0	0	0.000
62	168.5		Wye Service	1	0.000	0	0	0.000
63	171.4		Roots	3	0.008	5	8	0.008
64	174.7		Roots	3	0.008	5	8	0.008
65	180.9	Joint	Offset	3	0.010	20	0	0.010
66	186.7	Joint	Offset	3	0.010	20	0	0.010
67	193.0	933 N DELLROSE	Wye Service	2	0.000	0	0	0.000
68	193.0		Roots	2	0.004	2	4	0.004
69	193.0	Joint	Offset	3	0.010	20	0	0.010
70	195.9		Wye Service	1	0.000	0	0	0.000
71	196.1	Joint	Offset	2	0.000	0	0	0.000
72	199.1		Roots	3	0.008	5	8	0.008

**UPSTREAM 17 LF OF PIPE WAS REPLACED "BY OTHERS" SINCE THIS TELEVISIONING TO CORRECT GRADE.**

-LML

76                      220.0 Upstream Manhole 5748-401



# Television Inspection Master Report

3/2/2011

11:04 AM

US Structure: 5748-400      918 N PERSHING AVE      Date Insp: 9/15/2010      Basin: E04E  
 DS Structure: 5748-399      858 N PERSHING AVE      Dir Televised: Downstream To Upstream

**Pipe Information**

Project No. : C-054      Dia: 8      Material: VCP      Length: 220.0      Slope: 0.400      DVD #0600

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0	TV AGAINST FLOW	5748-399 / DS Manhole						
2		0.0	Joint	Offset	3	0.010	20	0	0.010	
3		16.2	Joint	Offset	3	0.010	20	0	0.010	
4		19.1	Joint	Offset	3	0.010	20	0	0.010	
5		22.2	Joint	Offset	3	0.010	20	0	0.010	
6		28.4	Joint	Offset	3	0.010	20	0	0.010	
7		31.5		Debris	3	0.000	0	0	0.000	
8		34.6	Joint	Offset	2	0.000	0	0	0.000	
9		40.4	Joint	Offset	3	0.010	20	0	0.010	
10		43.7	Joint	Offset	2	0.000	0	0	0.000	
11		55.5	901 N DELLROSE	Break-In Conn	2	0.002	0	0	0.002	
12		56.4		Broken Pipe	2	0.008	44	0	0.008	
13		58.5		Wye Service	1	0.000	0	0	0.000	
14		58.8	Joint	Offset	3	0.010	20	0	0.010	
15		59.5		Crack-Horizontal	3	0.004	5	0	0.004	
16		61.9	Joint	Offset	3	0.010	20	0	0.010	
17		63.3		Crack-Horizontal	3	0.004	5	0	0.004	
18		64.7	Joint	Offset	4	0.030	60	0	0.030	
19		68.0	Joint	Offset	2	0.000	0	0	0.000	
20		70.9	Joint	Offset	2	0.000	0	0	0.000	
21		77.0	Joint	Offset	2	0.000	0	0	0.000	
22		82.7		Wye Service	1	0.000	0	0	0.000	
23		85.8		Wye Service	1	0.000	0	0	0.000	
24		86.0	Joint	Offset	3	0.010	20	0	0.010	
25		87.0	902 N PERSHING	Break-In Conn	3	(roots around perimeter of tap)				
26		87.8		Crack-Horizontal	2	0.002	2	0	0.002	
27		91.9	Joint	Offset	2	0.000	0	0	0.000	
28		107.2		Roots	2	0.004	2	4	0.004	
29		107.2	Joint	Offset	2	0.000	0	0	0.000	
30		109.9	907 N DELLROSE	Wye Service	2	(roots inside)				
31		112.5	906 N PERSHING	Break-In Conn	2	0.002	0	0	0.002	
32		134.6	Joint	Offset	3	0.010	20	0	0.010	
33		137.6		Wye Service	1	0.000	0	0	0.000	
34		137.6	Joint	Offset	3	0.010	20	0	0.010	
35		140.7		Wye Service	1	0.000	0	0	0.000	
36		143.9	Joint	Offset	2	0.000	0	0	0.000	
37		146.9	Joint	Offset	2	0.000	0	0	0.000	

# Television Inspection Master Report

3/2/2011

11:04 AM

US Structure: 5748-400                      918 N PERSHING AVE                      Date Insp: 9/15/2010                      Basin: E04E  
 DS Structure: 5748-399                      858 N PERSHING AVE                      Dir Televised: Downstream To Upstream

38	159.1	Joint	Offset	2	0.000	0	0	0.000
39	162.0		Wye Service	1	0.000	0	0	0.000
40	164.9	911 N DELLROSE	Break-In Conn	3	0.004	2	0	0.004
41	165.5		Wye Service	1	0.000	0	0	0.000
42	189.7		Wye Service	1	0.000	0	0	0.000
43	192.4	912 N PERSHING	Wye Service	3	(heavy roots inside the service)			
44	195.8	Joint	Offset	1	0.000	0	0	0.000
45	202.1	Joint	Offset	3	0.010	20	0	0.010
46	211.2	Joint	Offset	3	0.010	20	0	0.010
47	214.3	Joint	Offset	2	0.000	0	0	0.000
48	219.7		5748-400 / US Manhole	2	0.000	0	0	0.000

The pipe grade is a little "roller coaster" but should be OK to install liner. No major sags. -LML