

19TH STREET NORTH

SPRUCE

GROVE

POPLAR

1953

1923

1901

18TH ST.

Remove and replace
300 lf of 8" pipe

MH # 5649-353
Replace Manhole Frame & Cover
Approx depth = 10.4 ft

Remove and replace 31 lf
of Asphalt Pavement

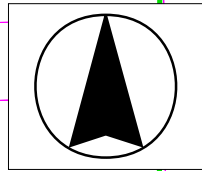
MH # 5649-352
Replace Manhole Frame & Cover
Rework Manhole Bench & Invert
Approx depth = 8.4 ft

313'

300'

341'

SITE 3



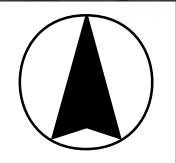
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GROVE

POPLAR

18TH STREET NORTH

Aerial View



Television Inspection Master Report

2/20/2004
4:17:38PM

US Manhole: 5649-353
DS Manhole: 5649-352

1939 N Poplar ST
1857 N POPLAR ST

Date Insp: 12/3/2003

Basin: EC02B

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:		Project No.:	F-078
Dia/Ht	Width: 8	Material:	VCP	Index:	
Length:	300.4	Slope:	0.100	Surface:	

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5649-353							
2		1.0	Crown	Crack-Radial	3		0.004	5	0	0.004
3		5.0	Invert	Broken Pipe	5		0.060	100	0	0.060
4		8.0	Invert	Crack-Radial	3		0.004	5	0	0.004
5		16.0	West	Wye Service	1		0.000	0	0	0.000
1922 N. GROVE										
6		19.0	East	Wye Service	1		0.000	0	0	0.000
1923 N. POPLAR										
7		21.0	Invert	Crack-Radial	3		0.004	5	0	0.004
8		25.0	Joint	POINT REPAIR HAS BEEN DONE (BY INTERNAL LINER REPAIR METHOD)						
9		32.0	Joint	POINT REPAIR ENDS						
10		43.0	East	Pipe Seal	3		0.000	0	0	0.000
11		64.0	West	Wye Service	3		0.000	2	0	0.000
1918 N. GROVE										
12		66.0	Invert	Broken Pipe	5		0.060	100	0	0.060
GRADE IS OFF / THIS APPEARS TO BE A HIGH POINT										
13		67.0	East	Wye Service	5		0.000	400	0	0.000
1917 N. POPLAR										
14		69.0	Joint	Broken Pipe	5		0.060	100	0	0.060
BROKEN PIPE WILL NOT ALLOW THE CAMERA TO GO THROUGH AT THIS POINT.										

WE WILL REVERSE THE SETUP

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Television Inspection Master Report

2/20/2004
4:17:38PM

US Manhole: 5649-353
DS Manhole: 5649-352

1939 N Poplar ST
1857 N POPLAR ST

Date Insp: 12/3/2003

Basin: EC02B

Dir Televised: Downstream To Upstream

Pipe Information

Shape:	Round	Length Status:	Project No.:	F-078
Dia/Ht Width:	8	Material:	Index:	
Length:	300.4	Slope:	Surface:	
Crew:	694	Percent Full:	Tape ID:	V-4152

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	DS Manhole	5649-352 / tv against the flow						
2		6.0	Crown	Crack-Horizontal	2		0.002	2	0	0.002
3		9.0	West	Pipe Seal	1		0.000	0	0	0.000
				(water standing in the first nine feet of pipe)						
4		50.0	Joint	Offset	3		0.010	20	0	0.010
5		60.0	Joint	Offset	3		0.010	20	0	0.010
6		70.0	Invert	Sag / 40% FLOW						
7		71.0	Joint	Offset	3		0.010	20	0	0.010
8		71.0	Invert	Sag / 45% FLOW						
9		75.0	Invert	Sag / OUT OF SAG						
10		86.0	East	Wye Service / 1901 N. POPLAR						
11		89.0	West	Wye Service / 1902 N. POPLAR						
12		110.0	East	Pipe Seal	3		0.000	0	0	0.000
13		110.0	Joint	Offset	3		0.010	20	0	0.010
14		110.0	Invert	Sag / 35% FLOW						
15		115.0	Invert	Sag / OUT OF SAG						
16		123.0	Invert	Sag / 30% FLOW						
17		132.0	Invert	Sag / OUT OF SAG						
18		132.0	Invert	Crack-Radial	2		0.002	2	0	0.002
19		138.0	East	Wye Service / 1907 N. POPLAR						
20		141.0	West	Wye Service / 1908 N. GROVE						
21		146.0	Quad 4 / U-Lt	Crack-Horizontal	2		0.002	2	0	0.002
22		155.0	Invert	Sag / 35% FLOW						
23		156.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
24		159.0	Invert	Sag / OUT OF SAG						
25		162.0	East	Pipe Seal	1		0.000	0	0	0.000
26		163.0	Joint	Gapped Joint	3		0.010	20	0	0.010
27		170.0	Invert	Sag / 30% FLOW						
28		180.0	Invert	Sag / OUT OF SAG						
29		182.0	Joint	PVC PIPE STARTS HERE.						
30		189.0	East	Break-In Conn / 1911 N. POPLAR						
31		192.0	West	Break-In Conn / 1912 N. GROVE						
32		192.0	Joint	PVC PIPE ENDS						
33		210.0	East	Pipe Seal	1		0.000	0	0	0.000
34		210.0	Joint	Crack-Horizontal	3		0.004	5	0	0.004
35		217.0	Invert	Sag / 35% FLOW						
36		219.0	Joint	Roots	2		0.004	2	4	0.004
37		220.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
38		222.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
39		225.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
40		228.0	Invert	Crack-Horizontal	3		0.004	5	0	0.004
41		231.0	Crown	Crack-Horizontal	3		0.004	5	0	0.004
42		232.0	Joint	Other						0.000

THIS AS FAR AS WE NEED TO TELEVISION / SAME PLACE AS ABOVE

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