

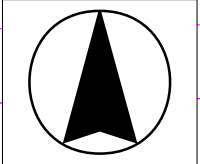
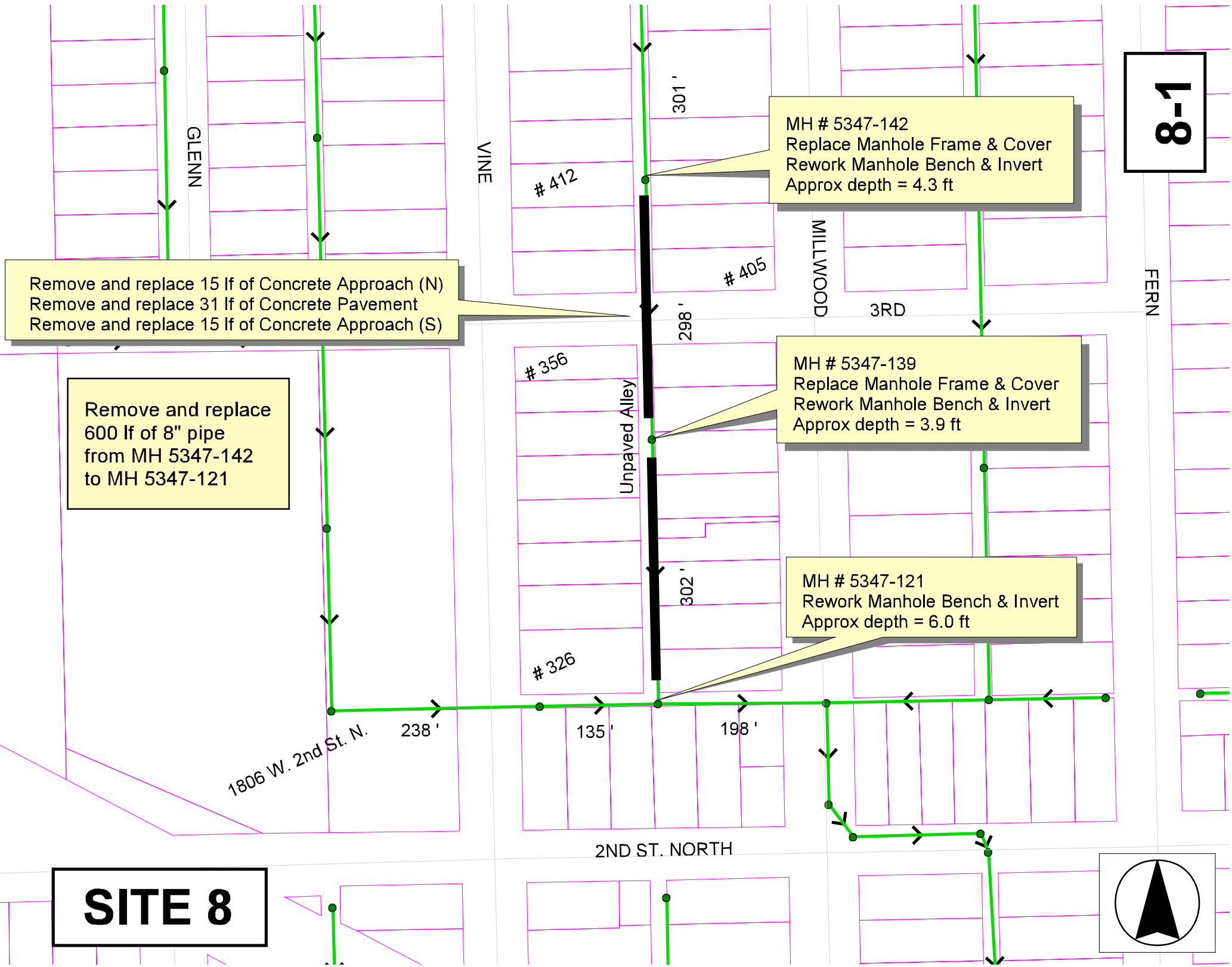
Remove and replace 15 lf of Concrete Approach (N)
Remove and replace 31 lf of Concrete Pavement
Remove and replace 15 lf of Concrete Approach (S)

Remove and replace
600 lf of 8" pipe
from MH 5347-142
to MH 5347-121

MH # 5347-142
Replace Manhole Frame & Cover
Rework Manhole Bench & Invert
Approx depth = 4.3 ft

MH # 5347-139
Replace Manhole Frame & Cover
Rework Manhole Bench & Invert
Approx depth = 3.9 ft

MH # 5347-121
Rework Manhole Bench & Invert
Approx depth = 6.0 ft





3RD

VINE

MILLWOOD

2ND

N
8-2

Television Inspection Master Report

12/9/2003
9:22:19AM

US Manhole: 5347-142
DS Manhole: 5347-139

412 N VINE
352 N VINE

Date Insp: 9/11/2003

Basin: C07B

Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: B-044
Dia/Ht Width: 8 0 Material: VCP Index:
Length: 297.9 Slope: 0.201 Surface:
Pipe Sec Length: Comment:

Inspection Information

Crew: 696 Percent Full: 10 Tape ID: V-4006
Weather: Cloudy Purpose: TV Existing Line Counter Start: 0.00.00.
Surface Cond: N/A Flow: Normal Flow Counter Stop: 0.42.21.
Dyed Test: No

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5347-142							
		3.0	Offset Joint							
2		8.0	East	Break-In Conn	1		0.001	0	0	0.001
3		10.0	West	Pipe Seal						0.000
4		11.0	Crown	Crack-Radial	1		0.001	1	0	0.001
5		13.0	East	Wye Service	1		0.000	0	0	0.000
6		13.0	Wye Service	Roots	4		0.010	10	25	0.010
7		29.0	Quad 1 / U-Rt	Broken Pipe	4		0.030	78	0	0.030
8		29.0	Crown	Offset	3		0.010	20	0	0.010
9		30.0	West	Wye Service	1		0.000	0	0	0.000
10		30.0	Wye Service	Roots	5		0.030	18	100	0.030
11		36.0	West	Wye Service	1		0.000	0	0	0.000
12		36.0	Wye Service	Roots	5		0.030	18	100	0.030
13		36.0	Quad 3 / L-Lt	Roots	2		0.004	2	4	0.004
14		38.0	East	Pipe Seal						0.000
15		44.0	Quad 2 / L-Rt	Roots	2		0.004	2	4	0.004
16		55.0	Crown	Crack-Radial	1		0.001	1	0	0.001
17		59.0	Crown	Crack-Radial	2		0.002	2	0	0.002
18		61.0	West	Pipe Seal	1					0.000
19		62.0	Quad 4 / U-Lt	Roots	2		0.004	2	4	0.004
20		63.0	East	Break-In Conn / PVC	1		0.001	0	0	0.001
21		66.0	West	Wye Service	1		0.000	0	0	0.000
22		86.0	West	Pipe Seal	1					0.000
23		89.0	East	Pipe Seal	1		0.000	0	0	0.000
24		97.0	Quad 3 / L-Lt	Crack-Radial	1		0.001	1	0	0.001
25		98.0	Crown	Crack-Horizontal	1		0.001	1	0	0.001
26		99.0	Crown	Observation Hole						
27		102.0	West	Wye Service	1		0.000	0	0	0.000
28		102.0	Wye Service	Roots	5		0.030	18	100	0.030
29		103.0	Quad 1 / U-Rt	Crack-Horizontal	2		0.002	2	0	0.002
30		112.0	West	Pipe Seal	1		0.000	0	0	0.000
31		114.0	East	Wye Service	1		0.000	0	0	0.000
32		134.0	Quad 2 / L-Rt	Roots	1		0.002	1	1	0.002
33		138.0	West	Pipe Seal	1		0.000	0	0	0.000
34		140.0	East	Pipe Seal	1		0.000	0	0	0.000
35		144.0	Quad 1 / U-Rt	Crack-Radial	1		0.001	1	0	0.001
36		146.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001

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Television Inspection Master Report

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US Manhole: 5347-142 412 N VINE Date Insp: 9/11/2003 Basin: C07B
DS Manhole: 5347-139 352 N VINE

37	147.0	Quad 4 / U-Lt	Crack-Horizontal	1	0.001	1	0	0.001
38	157.0	Crown	Crack-Horizontal	1	0.001	1	0	0.001
39	159.0	Quad 3 / L-Lt	Crack-Radial	1	0.001	1	0	0.001
40	161.0	Quad 4 / U-Lt	Crack-Horizontal	2	0.002	2	0	0.002
41	199.0	Crown	Observation Hole					
42	204.0	West	Wye Service	1	0.000	0	0	0.000
43	206.0	East	Wye Service	1	0.000	0	0	0.000
44	229.0	West	Pipe Seal	1	0.000	0	0	0.000
45	229.0	Invert	Sag	1	0.000	1	0	0.000
46	232.0	East	Pipe Seal	1	0.000	0	0	0.000
47	233.0	Quad 1 / U-Rt	Crack-Horizontal	2	0.002	2	0	0.002
48	245.0	Quad 4 / U-Lt	Crack-Radial	2	0.002	2	0	0.002
49	250.0	Quad 4 / U-Lt	Crack-Radial	2	0.002	2	0	0.002
50	254.0	West	Wye Service / broken just outside of the main					
51	254.0	Wye Service	Broken Pipe	3	0.010	60	0	0.010
52	256.0	Quad 3 / L-Lt	Crack-Horizontal	2	0.002	2	0	0.002
53	257.0	East	Wye Service	1	0.000	0	0	0.000
54	271.0	Quad 2 / L-Rt	Crack-Horizontal	2	0.002	2	0	0.002
55	280.0	West	Pipe Seal	1	0.000	0	0	0.000
56	282.0	East	Wye Service	1	0.000	0	0	0.000
57	283.0	Quad 3 / L-Lt	Crack-Radial	2	0.002	2	0	0.002
58	286.0	Crown	Crack-Horizontal	2	0.002	2	0	0.002
59	288.0	Quad 1 / U-Rt	Crack-Horizontal	2	0.002	2	0	0.002
60	291.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2	0	0.002
61	293.0	Invert	Crack-Radial	2	0.002	2	0	0.002
62	298.0	DS Manhole 5347-139						

Television Inspection Master Report

12/9/2003
9:22:19AM

US Manhole: 5347-139
DS Manhole: 5347-121

352 N VINE
313 N MILLWOOD

Date Insp: 9/15/2003

Basin: C07B

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:	Project No.:	B-044
Dia/Ht Width:	8 0	Material:	VCP	Index:
Length:	302.4	Slope:	0.202	Surface:
Pipe Sec Length:	Comment:			

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5347-139							
2		8.0	West	Wye Service	1		0.000	0	0	0.000
3		8.0	Wye Service	Crack-Radial	2		0.002	2	0	0.002
4		9.0	Crown	Crack-Horizontal	2		0.002	2	0	0.002
5		11.0	East	Wye Service	1		0.000	0	0	0.000
6		14.0	Crown	Crack-Horizontal	1		0.001	1	0	0.001
7		24.0	Quad 4 / U-Lt	Crack-Radial	2		0.002	2	0	0.002
8		27.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
9		29.0	Quad 3 / L-Lt	Crack-Radial	1		0.001	1	0	0.001
10		31.0	West	Pipe Seal	1		0.000	0	0	0.000
11		33.0	East	Pipe Seal	1		0.000	0	0	0.000

(NOTE: camera jumped footage from 39 ft to 56 ft – not sure if we missed any connections)

12		56.0	West	Tap	1		0.000	0	0	0.000
13		59.0	East	Pipe Seal	1		0.000	0	0	0.000
14		81.0	West	Pipe Seal	1		0.000	0	0	0.000
15		84.0	East	Wye Service	1		0.000	0	0	0.000
16		88.0	Quad 2 / L-Rt	Crack-Radial	1		0.001	1	0	0.001
17		102.0	Crown	Observation Hole						
18		107.0	West	Wye Service	1		0.000	0	0	0.000
19		107.0	Wye Service	Roots	4		0.010	10	25	0.010
20		110.0	East	Pipe Seal	1		0.000	0	0	0.000
21		111.0	Crown	Crack-Horizontal	2		0.002	2	0	0.002
22		112.0	Crown	Broken Pipe	4		0.030	78	0	0.030
IT LOOKS LIKE AN OLD REPAIR..										
23		119.0	Quad 2 / L-Rt	Crack-Radial	2		0.002	2	0	0.002
24		128.0	East	Break-In Conn	1		0.001	0	0	0.001
25		133.0	West	Wye Service	1		0.000	0	0	0.000
26		135.0	East	Pipe Seal	1		0.000	0	0	0.000
27		158.0	West	Pipe Seal	1		0.000	0	0	0.000
28		161.0	East	Wye Service	1		0.000	0	0	0.000
29		169.0	Quad 2 / L-Rt	Crack-Radial	1		0.001	1	0	0.001
30		176.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001
31		183.0	West	Pipe Seal	1		0.000	0	0	0.000
32		184.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001
33		186.0	East	Pipe Seal	1		0.000	0	0	0.000
34		199.0	Crown	Broken Pipe	5		0.060	100	0	0.060
35		200.0	Crown	Observation Hole						

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Television Inspection Master Report

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US Manhole: 5347-139 352 N VINE Date Insp: 9/15/2003 Basin: C07B
DS Manhole: 5347-121 313 N MILLWOOD

36	202.0	Crown	Crack-Horizontal	2	0.002	2	0	0.002
37	209.0	West	Wye Service	1	0.000	0	0	0.000
38	209.0	Wye Service	Roots	2	0.004	2	4	0.004
39	211.0	East	Wye Service	1	0.000	0	0	0.000
40	234.0	West	Wye Service	1	0.000	0	0	0.000
41	237.0	East	Pipe Seal	1	0.000	0	0	0.000
42	243.0	Crown	Crack-Radial	1	0.001	1	0	0.001
43	259.0	West	Wye Service	1	0.000	0	0	0.000
44	259.0	Wye Service	Roots	3	0.008	5	8	0.008
45	262.0	East	Wye Service	1	0.000	0	0	0.000
46	266.0	Crown	Crack-Horizontal	2	0.002	2	0	0.002
47	285.0	West	Pipe Seal	1	0.000	0	0	0.000
48	288.0	East	Wye Service	1	0.000	0	0	0.000
49	288.0	Quad 4 / U-Lt	Crack-Horizontal	1	0.001	1	0	0.001
50	290.0	Crown	Crack-Horizontal	2	0.002	2	0	0.002
51	296.0	Quad 4 / U-Lt	Crack-Horizontal	1	0.001	1	0	0.001
52	301.0	DS Manhole MH 5347-121						

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