

SITE 6

Remove and replace 546 lf of 8" pipe from MH 5445-311 to MH 5445-308

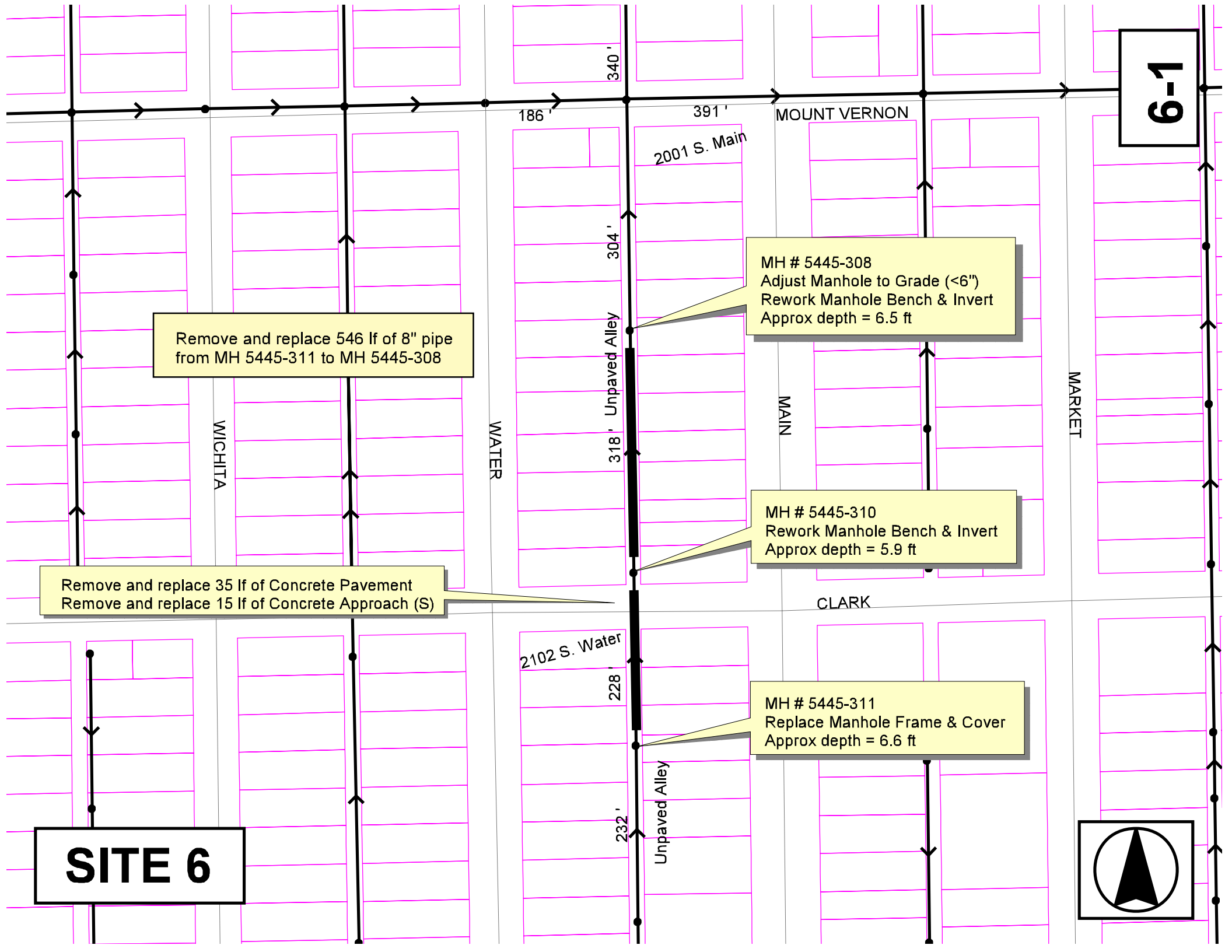
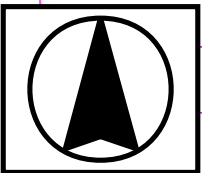
Remove and replace 35 lf of Concrete Pavement
Remove and replace 15 lf of Concrete Approach (S)

MH # 5445-308
Adjust Manhole to Grade (<6")
Rework Manhole Bench & Invert
Approx depth = 6.5 ft

MH # 5445-310
Rework Manhole Bench & Invert
Approx depth = 5.9 ft

MH # 5445-311
Replace Manhole Frame & Cover
Approx depth = 6.6 ft

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186

185

184

MT. VERNON

287

308

WATER

MAIN

289

310

CLARK

288

311



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Television Inspection Master Report

9/29/2003
10:42:43AM
C05D

US Manhole: 5445-311
DS Manhole: 5445-310

2108 S WATER ST
106 W CLARK ST

Date Insp: 7/21/2003

Basin:

Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: D-150
Dia/Ht Width: 8 Material: VCP Index:
Length: 228.0 Slope: 0.105 Surface:
Pipe Sec Length: Comment: POINT REPAIR BY SEWER MAINTENANCE FROM 138'6" TO 142' S OF MH. WORK COMPLETED 07-07-2003 TGC #####

Inspection Information

Crew: 692 Percent Full: 25 Tape ID: 4004
Weather: Sunny Purpose: TV Existing Line Counter Start: 0.0
Surface Cond: N/A Flow: Normal Flow Counter Stop:
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							0.000
2		1.0	Camera Lens Submerge							0.000
3		2.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
4		7.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
5		12.0	East	Wye Service	2		0.000	0	0	0.000
6		14.0	West	Wye Service	1		0.000	0	0	0.000
	SO									
7		15.0	Crown	Broken Pipe	2		0.008	44	0	0.008
8		17.0	Crown	Broken Pipe	3		0.010	60	0	0.010
9		20.0	East	Break-In Conn	1		0.001	0	0	0.001
	SO									
10		30.0	Crown	Crack-Radial	3		0.004	5	0	0.004
11		37.0	East	Wye Service	1		0.000	0	0	0.000
	SO									
12		39.0	West	Wye Service	2		0.000	0	0	0.000
			LIVE CONNECTION----OFFSET & BROKEN OUTSIDE OF THE MAIN / POSSIBLE CAVITY----2108 S WATER							
13		43.0	Quad 2 / L-Rt	Crack-Radial	3		0.004	5	0	0.004
14		53.0	Crown	Broken Pipe	3		0.010	60	0	0.010
15		55.0	Invert	Broken Pipe	3		0.010	60	0	0.010
16		58.0	Quad 2 / L-Rt	Crack-Horizontal	3		0.004	5	0	0.004
17		61.0	East	Wye Service	1		0.000	0	0	0.000
	SO									
18		62.0	Crown	Crack-Radial	3		0.004	5	0	0.004
19		64.0	West	Wye Service	2		0.000	0	0	0.000
			LIVE CONNECTION----2104 S WATER							
20		68.0	West	Break-In Conn	1		0.001	0	0	0.001
			LIVE CONNECTION----2104 S WATER / BROKEN AT THE MAIN							
21		70.0	Crown	Broken Pipe	3		0.010	60	0	0.010
22		72.0	Crown	Crack-Radial	3		0.004	5	0	0.004
23		84.0	Invert	Broken Pipe Needs Repair2	2		0.008	44	0	0.008
24		85.0	Joint	Other	1		0.000	0	0	0.000
	PVC BEGINS									
25		87.0	East	Break-In Conn	1		0.001	0	0	0.001
			LIVE CONNECTION----2105 S MAIN							
26		89.0	Joint	Other	1		0.000	0	0	0.000
	PVC ENDS									

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Television Inspection Master Report

9/29/2003
10:42:43AM

US Manhole:	5445-311	2108 S WATER ST	Date Insp:	7/21/2003	Basin:	C05D		
DS Manhole:	5445-310	106 W CLARK ST						
27	93.0	Quad 4 / U-Lt	Crack-Radial	3	0.004	5	0	0.004
28	95.0	Quad 2 / L-Rt	Crack-Radial	3	0.004	5	0	0.004
29	111.0	East	Wye Service	1	0.000	0	0	0.000
SO								
30	113.0	East	Break-In Conn	1	0.001	0	0	0.001
		LIVE CONNECTION----2101 S MAIN						
31	114.0	West	Wye Service	1	0.000	0	0	0.000
SO								
32	117.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
33	136.0	East	Wye Service	1	0.000	0	0	0.000
SO								
34	139.0	West	Wye Service	1	0.000	0	0	0.000
		LIVE CONNECTION----2102 S WATER						
35	147.0	Crown	Crack-Radial	3	0.004	5	0	0.004
36	150.0	Quad 1 / U-Rt	Crack-Radial	3	0.004	5	0	0.004
37	170.0	Crown	Crack-Radial	3	0.004	5	0	0.004
38	197.0	Invert	Broken Pipe	3	0.010	60	0	0.010
39	221.0	Invert	Broken Pipe	2	0.008	44	0	0.008
40	225.0	Camera Lens Emerged						0.000
41	226.0	DS Manhole						0.000

This segment is one long sag. Pipe must be replaced to correct the grade.

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Television Inspection Master Report

9/29/2003
10:42:43AM

US Manhole: 5445-310
DS Manhole: 5445-308

106 W CLARK ST
2020 S WATER ST

Date Insp: 7/21/2003

Basin: C05D

Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round	Length Status:	Project No.: B-092
Dia/Ht Width: 8	Material: VCP	Index:
Length: 318.0	Slope: 0.101	Surface:
Pipe Sec Length:	Comment:	

Inspection Information

Crew: 692	Percent Full: 10	Tape ID: 4004
Weather: Sunny	Purpose: TV Existing Line	Counter Start: 19.454
Surface Cond: N/A	Flow: Normal Flow	Counter Stop:
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							0.000
2		12.0	East	Wye Service	1		0.000	0	0	0.000
3		27.0	West	Break-In Conn	1		0.001	0	0	0.001
4		30.0	East	Break-In Conn	1		0.001	0	0	0.001
5		50.0	West	Break-In Conn	2		0.002	0	0	0.002
6		52.0	East	Wye Service	1		0.000	0	0	0.000
7		75.0	West	Wye Service	1		0.000	0	0	0.000
8		77.0	East	Wye Service	1		0.000	0	0	0.000
9		91.0	East	Break-In Conn	1		0.001	0	0	0.001
10		94.0	Joint	Roots	2		0.004	2	4	0.004
11		100.0	West	Wye Service	2		0.000	0	0	0.000
12		103.0	East	Wye Service	1		0.000	0	0	0.000
13		109.0	Quad 1 / U-Rt	Crack-Radial	3		0.004	5	0	0.004
14		111.0	Joint	Roots	2		0.004	2	4	0.004
15		125.0	West	Wye Service	1		0.000	0	0	0.000
16		128.0	East	Wye Service	1		0.000	0	0	0.000
17		150.0	West	Wye Service	2		0.000	0	0	0.000
18		153.0	East	Wye Service	1		0.000	0	0	0.000
19		164.0	Crown	Crack-Radial	3		0.004	5	0	0.004
20		169.0	Crown	Crack-Radial	3		0.004	5	0	0.004
21		170.0	Joint	Other	1		0.000	0	0	0.000
22		175.0	West	Wye Service	1		0.000	0	0	0.000

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Television Inspection Master Report

9/29/2003
10:42:43AM

US Manhole:	5445-310	106 W CLARK ST	Date Insp:	7/21/2003	Basin:	C05D		
DS Manhole:	5445-308	2020 S WATER ST						
23	176.0	Joint	Roots	3	0.008	5	8	0.008
24	177.0	East	Wye Service	1	0.000	0	0	0.000
LIVE CONNECTION-----2043 S MAIN								
25	183.0	West	Break-In Conn	1	0.001	0	0	0.001
LIVE CONNECTION-----2032 S WATER								
26	191.0	Crown	Crack-Radial	3	0.004	5	0	0.004
27	200.0	West	Wye Service	1	0.000	0	0	0.000
SO								
28	203.0	East	Wye Service	1	0.000	0	0	0.000
SO								
29	204.0	Crown	Broken Pipe	2	0.008	44	0	0.008
30	205.0	East	Break-In Conn	1	0.001	0	0	0.001
LIVE CONNECTION-----2037 S MAIN								
31	206.0	West	Break-In Conn	1	0.001	0	0	0.001
LIVE CONNECTION-----2032 S WATER								
32	208.0	Joint	Roots	3	0.008	5	8	0.008
33	223.0	Joint	Roots	3	0.008	5	8	0.008
34	225.0	West	Wye Service	1	0.000	0	0	0.000
SO								
35	228.0	East	Wye Service	1	0.000	0	0	0.000
SO								
36	231.0	Joint	Roots	2	0.004	2	4	0.004
37	233.0	Joint	Roots	2	0.004	2	4	0.004
38	234.0	Crown	Crack-Radial	3	0.004	5	0	0.004
39	236.0	Invert	Crack-Radial	3	0.004	5	0	0.004
40	241.0	Crown	Broken Pipe	3	0.010	60	0	0.010
41	250.0	West	Wye Service	1	0.000	0	0	0.000
LIVE CONNECTION-----2020 S WATER								
42	252.0	East	Wye Service	1	0.000	0	0	0.000
LIVE CONNECTION-----2033 S MAIN								
43	253.0	Joint	Roots	3	0.008	5	8	0.008
44	265.0	Joint	Roots	2	0.004	2	4	0.004
45	274.0	West	Wye Service	1	0.000	0	0	0.000
SO								
46	276.0	East	Wye Service	1	0.000	0	0	0.000
SO								
47	279.0	East	Break-In Conn	2	0.002	0	0	0.002
LIVE CONNECTION-----2033 S MAIN / roots around the tap								
48	299.0	West	Wye Service	1	0.000	0	0	0.000
SO								
49	302.0	East	Wye Service	1	0.000	0	0	0.000
SO								
50	308.0	Invert	Broken Pipe	2	0.008	44	0	0.008
51	315.0	DS Manhole						0.000

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