

MH 5747-615
3210 E. 2nd St. N.
Estimated MH depth = 6.7 ft

MH 5747-618
3241 E. Chatfield
Estimated MH depth = 8.5 ft

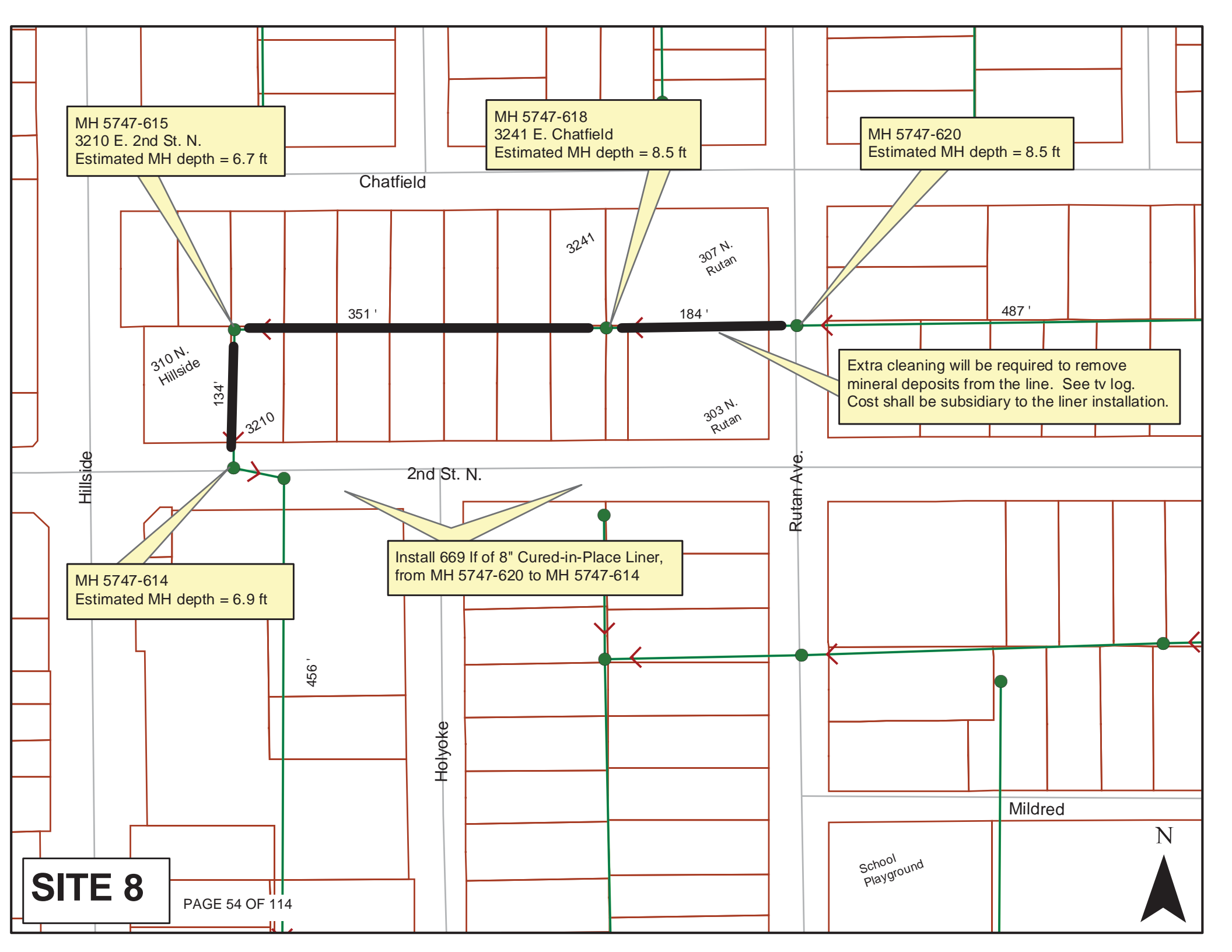
MH 5747-620
Estimated MH depth = 8.5 ft

Extra cleaning will be required to remove mineral deposits from the line. See tv log. Cost shall be subsidiary to the liner installation.

Install 669 lf of 8" Cured-in-Place Liner,
from MH 5747-620 to MH 5747-614

MH 5747-614
Estimated MH depth = 6.9 ft

SITE 8





Video Inspection Master Report

10/23/2012
2:31 PM

US Structure: 5747-620 **307 N RUTAN ST** **Date Insp:** 4/13/2012 **Basin:** EC02A
DS Structure: 5747-618 **3241 E CHATFIELD DR** **Dir Televised:** Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:	VCP
Dia/Ht:	8	Material:	
Length:	184.0	Slope:	2.511
		Surface:	Rear Easement

Project No. : C-114

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
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Camera cannot pass the observation hole. Infiltration has made mineral deposits so heavy at this location. The mineral deposits need to be knocked down or bladed down prior to liner installation. There is a tree at this location so excavation is not desirable.

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REVERSE SETUP:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0	5747-618	DS Manhole	1		TV AGAINST THE FLOW		
2		8.2		Sealed Off Wye	1				
3		12.2		Broken Pipe	2				
4		26.2	303 NORTH RUTAN	(possibly sealed?) Wye Service	2				
5		39.3		Sealed Off Wye	1				
6		54.4	303 NORTH RUTAN	Wye Service	3				
7		58.7	307 NORTH RUTAN	Break-In Conn	1				
8		73.2		Other	2				
9		83.9		Stopped Inspection	4				

Same place as above. Mineral deposits at the observation hole are too heavy. Camera cannot pass.

Video Inspection Master Report

10/23/2012
2:31 PM

US Structure: 5747-618 **3241 E CHATFIELD DR** **Date Insp:** 6/7/2012 **Basin:** EC02A
DS Structure: 5747-615 **3210 E 2ND ST** **Dir Televised:** Upstream To Downstream

Pipe Information
Project No. : C-118 **Dia:** 8 **Material:** VCP **Length:** 351.0 **Slope:** 2.393

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd	Est.	Ratings		Remain
						(gpm)	(gpm)	Struct	Clean	
1		0.0	5747-618	US Manhole	1					
2		14.5		Sealed Off Wye	1					
3		15.9		Sealed Off Wye	1					
4		36.8	3242 EAST 2ND ST NORTH	Break-In Conn	3		roots			
5		39.7		Sealed Off Wye	1					
6		41.7		Sealed Off Wye	1					
7		42.4	3241 EAST CHATFIELD	Break-In Conn	3					
8		44.4		Broken Pipe	3					
9		46.6	3242 EAST 2ND ST NORTH	Break-In Conn	4		is this possibly abandoned?			
10		64.5		Broken Pipe	3					
11		66.0		Broken Pipe	3					
12		66.0		PR Starts - Mat. Chngs / PVC begins	2					
13		67.9	3229 EAST CHATFIELD	Break-In Conn PVC	1					
14		69.4		PR Ends - Mat. Chngs to VCP / PVC ends	1					
15		69.7		Sealed Off Wye	1					
16		71.0		Broken Pipe	3					
17		77.6	3238 EAST 2ND ST NORTH	Break-In Conn	3		full of roots / missing pipe			
18		78.4		Broken Pipe	4					
19		81.8		Broken Pipe	3					
A POINT REPAIR WAS MADE "BY OTHERS" TO REPLACE PIPE FROM EXISTING PVC AT 69 FT TO 87 FT WEST OF THE MANHOLE.										
20		92.6		Sealed Off Wye	1					
21		95.4		Sealed Off Wye	1					
22		101.7		Roots	3					
23		109.3		Roots	3					
24		115.8		Sealed Off Wye	1					
25		118.4		Sealed Off Wye	1					
26		119.3	3225 EAST CHATFIELD	Break-In Conn	3					
27		127.0		Broken Pipe	3					
28		131.7	Cavity in crown	Observation Hole	4					
29		145.0	3221 EAST CHATFIELD	Wye Service	3		Could be abandoned?	Broken down.		
30		147.2		Sealed Off Wye	1					
31		171.0		Sealed Off Wye	1					
32		172.6		Sealed Off Wye	1					

Video Inspection Master Report

10/23/2012
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US Structure: 5747-618 3241 E CHATFIELD DR Date Insp: 6/7/2012 Basin: EC02A
 DS Structure: 5747-615 3210 E 2ND ST Dir Televised: Upstream To Downstream

33	188.6	3222 EAST 2ND ST NORTH	Break-In Conn	1		
34	195.7	3217 EAST CHATFIELD	Wye Service	1	offset outside of the main	
35	199.5		Sealed Off Wye	1		
36	221.4		Sealed Off Wye	1		
37	224.1		Sealed Off Wye	1		
38	236.3		Observation Hole	1		
39	246.6		Broken Pipe	3		
40	247.0	3211 EAST CHATFIELD	Wye Service	1		
41	249.4	3216 EAST 2ND ST NORTH	Wye Service	1		
42	267.8	3209 EAST CHATFIELD	Wye Service	1		
43	269.7	3210 EAST 2ND ST NORTH	Wye Service	1		
44	272.2		Sealed Off Wye	1		
45	274.8		Sealed Off Wye	1		
46	299.9		Sealed Off Wye	1		
47	300.8		Sealed Off Wye	1		
48	305.8	DEBRIS	Stopped Inspection	2	SEE REVERSE SETUP	

REVERSE SETUP:

US Structure: 5747-618 3241 E CHATFIELD DR Date Insp: 4/16/2012 Basin: EC02A
 DS Structure: 5747-615 3210 E 2ND ST Dir Televised: Downstream To Upstream

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings		Remain (gpm)
						Obsrvd (gpm)	Est. Struct Clean (gpm)	
1		0.0	5747-615	DS Manhole	1		tv against the flow	
2		7.6		Wye Service	1			
3		13.0		Crack-Horizontal	2			
4		14.1		Crack-Horizontal	2			
5		16.4		Crack-Horizontal	2			
6		17.5	3209 E CHATFIELD	Break-In Conn	3			
7		28.3		Crack-Radial	2			
8		48.9	DEBRIS	Stopped Inspection			loose tile and paper piled at a joint	

Video Inspection Master Report

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2:31 PM

US Structure: 5747-615 3210 E 2ND ST Date Insp: 4/16/2012 Basin: EC02A
 DS Structure: 5747-614 3210 E 2ND ST Dir. Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : C-118
 Dia/Ht: 8 Material: VCP Index:
 Length: 134.0 Slope: 0.400 Surface:

Inspection Information

Crew: 690 Percent Full: Tape ID: DVD #0708

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		7.0	5747-615	US Manhole	1				
2		12.2		Crack-Radial	3				
3		17.3		Broken Pipe	3				
4		18.9		Wye Service	1				
5		19.7		Crack-Radial	2				
6		41.3	310 N HILLSIDE?	Break-In Conn	4				
			(If this is active, it's breaking down. Is it active?)						
7		47.8		Crack-Radial	3				
8		49.1		Crack-Horizontal	3				
9		52.8		Crack-Radial	2				
10		59.3	310 N HILLSIDE	Break-In Conn	3				
			(cannot tell if this is active)						
11		62.3		Crack-Radial	2				
12		64.0		Wye Service	1				
13		64.0		Crack-Horizontal	3				
14		68.0		Crack-Horizontal	2				
15		69.2	3210 E 2ND ST N	Break-In Conn	3				
16		70.3		Crack-Horizontal	3				
17		87.0		Wye Service	1				
18		89.4	310 N HILLSIDE	Break-In Conn	1				
			(Active 4" PVC tap)						
19		105.1		Roots	2				
20		105.6		Crack-Radial	2				
21		108.2		Roots	3				
22		115.8		Roots	3				
23		117.9		Crack-Radial	4				
		119.0		sag / water on lens					
		128.0		sag / out of sag / water never over lens					
24		133.8	5747-614	DS Manhole	2				line has roots & cracks