

13-1

Install 945 lf of 8" Cured-in-Place Liner from MH 6045-248 to MH 6045-200

LAKELAND

LONGFORD

LONGLAKE

195'

304'

8501

317'

8515

8527

8601

8701

127'

104'

200'

259'

255'

195'

112'

MH # 6045-200
Approx depth = 15.8 ft

MH # 6045-239
Approx depth = 12.3 ft

MH # 6045-245
Approx depth = 12.2 ft

MH # 6045-246
Depth not measured

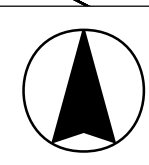
MH # 6045-247
Approx depth = 15.3 ft

MH # 6045-248
Approx depth = 11.5 ft

Pipe has mineral deposits at the joints that will need to be bladed down prior to liner installation.

Located South of Harry Street, East of Rock Road

SITE 13



13-2

LAKELAND

LONGFORD

ONGLAKE

200

239

245

246

247

248

LORI

Aerial View



Television Inspection Master Report

10/27/2006
3:01 PM

US Structure: 6045-248 8701 E LONGLAKE CIR **Date Insp:** 4/6/2006 **Basin:** E011
DS Structure: 6045-247 8601 E LONGLAKE CIR **Dir Televised:** Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: M-237
Dia/Ht Width: 8 0 Material: VCP Index:
Length: 255.1 Slope: 0.455 Surface: Rear Easement

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 5972
Weather: Cloudy Purpose: TV Existing Line Counter Start: 0
Surface Cond: N/A Flow: Normal Flow Counter Stop: 11.11

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 6045-248		1	0.000	0.000	0	0	0.000
2		41.0	Camera Lens Submerged		5	0.000	0.000	0	0	0.000
3		50.0	Camera Lens Emerged		1	0.000	0.000	0	0	0.000
4		115.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001
			8629 E. Longlake							
5		119.0		Sealed Off Wye North	1	0.000	0.000	0	0	0.000
6		149.0		Sealed Off Wye North	1	0.000	0.000	0	0	0.000
7		158.0	Crown	Mineral Deposit	3	0.000	0.000	0	5	0.000
8		169.0		Sealed Off Wye North	1	0.000	0.000	0	0	0.000
9		199.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001
			8615 E. Longlake							
10		231.0	Crown	Mineral Deposit	3	0.000	0.000	0	5	0.000
11		244.0	Camera Lens Submerged		5	0.000	0.000	0	0	0.000
12		246.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001
			8601 E. Longlake							
13		252.0	DS Manhole	6045-247	1	0.000	0.000	0	0	0.000

MINERAL DEPOSITS AT THE JOINTS SHALL BE BLADED DOWN PRIOR TO LINER INSTALLATION.

13-3

Television Inspection Master Report

10/27/2006
3:01 PM

US Structure: 6045-247 8601 E LONGLAKE CIR **Date Insp:** 4/6/2006 **Basin:** E011
DS Structure: 6045-246 8527 E LONGLAKE ST **Dir Televised:** Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: M-237
Dia/Ht Width: 8 0 Material: VCP Index:
Length: 259.0 Slope: 0.444 Surface: Rear Easement

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 5972
Weather: Cloudy Purpose: TV Existing Line Counter Start: 11.11
Surface Cond: N/A Flow: Normal Flow Counter Stop: 26.38

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)	
1		0.0	US Manhole 6045-247		1	0.000	0.000	0	0	0.000	
2		28.0	Crown	Infiltration	1	0.000	0.000	0	0	0.000	
3		68.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001	
	8537 E. Longlake - live cnnnection										
4		86.0	Crown	Mineral Deposit	3	0.000	0.000	0	5	0.000	
5		122.0	Crown	Broken Pipe	2	0.008	0.008	44	0	0.008	
6		157.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001	
	8531 E. Longlake - live connection										
7		162.0	Invert	Broken Pipe	2	0.008	0.008	44	0	0.008	
8		195.0	Quad 4 / U-Lt	Crack-Radial	3	0.004	0.004	5	0	0.004	
9		224.0	Crown	Crack-Radial	3	0.004	0.004	5	0	0.004	
10		229.0	Joint	Mineral Deposit	3	0.000	0.000	0	5	0.000	
11		230.0	North	Break-In Conn	1	0.001	0.001	0	0	0.001	
	8527 E. Longlake - live connection										
12		256.0	DS Manhole	6045-246	1	0.000	0.000	0	0	0.000	

MINERAL DEPOSITS AT THE JOINTS SHALL BE BLADED DOWN PRIOR TO LINER INSTALLATION.

13-4

Television Inspection Master Report

10/27/2006
3:01 PM

US Structure: 6045-246 8527 E LONGLAKE ST **Date Insp:** 4/7/2006 **Basin:** E011
DS Structure: 6045-245 8515 E LONGLAKE ST **Dir Televised:** Upstream To Downstream

Pipe Information

Shape: Round Length Status: VCP Project No.: M-237
 Dia/Ht Width: 8 Material: Index:
 Length: 201.1 Slope: 0.448 Surface: Rear Easement

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 5972
 Weather: Rainy Purpose: TV Existing Line Counter Start: 21.38.
 Surface Cond: N/A Flow: Normal Flow Counter Stop:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 6045-246		1		0.000	0	0	0.000
2		16.0	Invert	Mineral Deposit	3		0.000	0	5	0.000
3		25.0	Joint	Mineral Deposit	3		0.000	0	5	0.000
4		30.0	Joint	Mineral Deposit	4		0.000	0	10	0.000
5		36.0	Crown	Broken Pipe	2		0.008	44	0	0.008
6		52.0	North	Break-In Conn	1		0.001	0	0	0.001
8521 E. Longford										
7		55.0	Crown	Mineral Deposit	3		0.000	0	5	0.000
8		59.0	Crown	Mineral Deposit	3		0.000	0	5	0.000
9		60.0	Crown	Infiltration	1		0.000	0	0	0.000
10		100.0	Camera Lens Submerged		5		0.000	0	0	0.000
11		108.0	Camera Lens Emerged		1		0.000	0	0	0.000
12		129.0	Crown	Crack-Radial	3		0.004	5	0	0.004
13		162.0	Crown	Infiltration	1		0.000	0	0	0.000
14		176.0	North	Break-In Conn	1		0.001	0	0	0.001
8512 E. Longlake										
15		200.0	DS Manhole	6045-245	1		0.000	0	0	0.000

MINERAL DEPOSITS AT THE JOINTS SHALL BE BLADED DOWN PRIOR TO LINER INSTALLATION.

13-5

Television Inspection Master Report

10/27/2006
3:01 PM

US Structure: 6045-245 8515 E LONGLAKE ST
DS Structure: 6045-239 8501 E LONGLAKE ST

Date Insp: 4/7/2006 **Basin:** E011
Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: M-237
Dia/Ht Width: 8 Material: VCP Index:
Length: 104.9 Slope: 0.457 Surface: Rear Easement

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 5972
Weather: Cloudy Purpose: TV Existing Line Counter Start: 31.01
Surface Cond: N/A Flow: Normal Flow Counter Stop: 35.18

Obs. #	VTR Counter Comment	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole 6045-245		1		0.000	0	0	0.000
2		25.0	Crown	Mineral Deposit	3		0.000	0	5	0.000
3		32.0	North	Break-In Conn	1		0.001	0	0	0.001
4	8507 E. longlake	104.0	DS Manhole 6045-239		1		0.000	0	0	0.000

MINERAL DEPOSITS AT THE JOINTS SHALL BE BLADED DOWN PRIOR TO LINER INSTALLATION.

13-6

Television Inspection Master Report

10/27/2006
3:01 PM

US Manhole: 6045-239 8501 E LONGLAKE ST Date Insp: 4/7/2006 Basin: E011
DS Manhole: 6045-200 8401 E LAKELAND CIR Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No.: M-237
Dia/Ht Width: 8 Material: VCP Index:
Length: 128.5 Slope: 0.445 Surface:

Inspection Information

Crew: 692 Percent Full: 10 Tape ID: 5972
Weather: Cloudy Purpose: TV Existing Line Counter Start: 35.18
Surface Cond: N/A Flow: Normal Flow Counter Stop: 40.32

Obs. #	VTR Counter Svc. Address	Distance	Location	Description	Obs Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole	6045-239	1		0.000	0	0	0.000
2		12.0	North	Break-In Conn	1		0.001	0	0	0.001
				4" Break In Connection		8501 E. Longlake				
3		38.0	Crown	Mineral Deposit / HEAVY 3			0.000	0	5	0.000
4		62.0	Crown	Infiltration	1		0.000	0	0	0.000
5		127.0	DS Manhole	6045-200	1		0.000	0	0	0.000

MINERAL DEPOSITS AT THE JOINTS SHALL BE BLADED DOWN PRIOR TO LINER INSTALLATION.

13-7